



# INTERSTATER

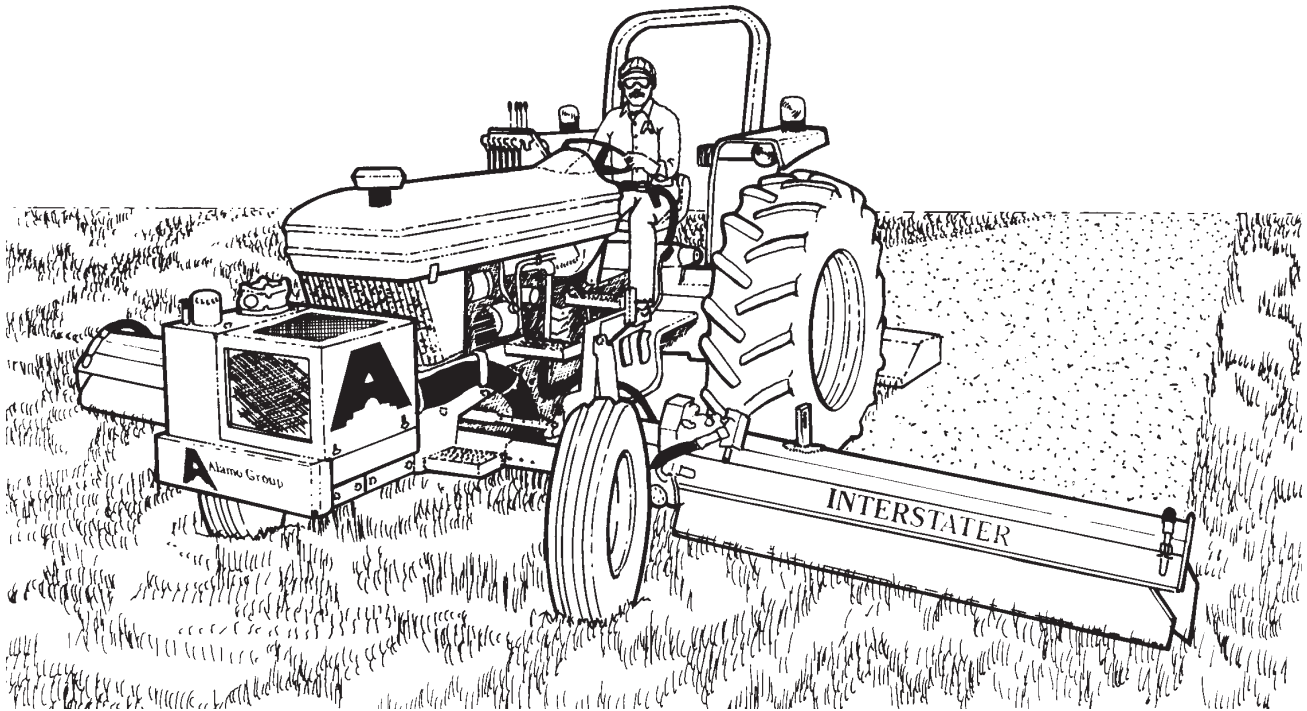
Flail Mowers

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## ARCHIVE BOOK

By Serial Number / Production

S/N 0001 Feb. 1989 to S/N 60444 Oct. 2002



**COMPLETE PARTS  
LISTING**

Archive Book  
Part No. 02978900

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**Alamo Industrial**

P. O. Drawer 549  
Seguin, Texas 78156  
830-372-3551

**2002 Edition**

An **Alamo Group** Company

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# NOTES

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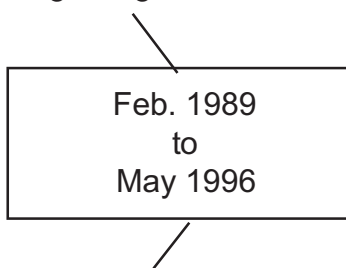
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# INTERSTATER ARCHIVE BOOK INTRODUCTION

The Interstater Archive Book is a complete listing of Parts from the first Unit to the Present. The Production Dates, Serial Numbers, Special Notes and Descriptions are furnished to help find Replacement Parts. Dimension (if listed) are for Identification of Parts and MAY NOT be to Manufacturing Specification, Your measurements may vary some from dimensions listed. Some Parts may be changed and be different than parts listed. Some Modification may be required when replacing older parts. Match Serial Numbers listed in the rear of this Book with the Ship Dates listed at the top of each Parts Page. This is necessary because of the wide range of Model sizes using these Serial Numbers

## PAGE EXAMPLE

Beginning Production Date



Ending Production Date

FRAME  
ASSEMBLY

Components Listed This Page

SEE Serial Number Section  
in Rear of this Book for S/N  
Ship Dates by Model, Then  
match to Parts Page date.

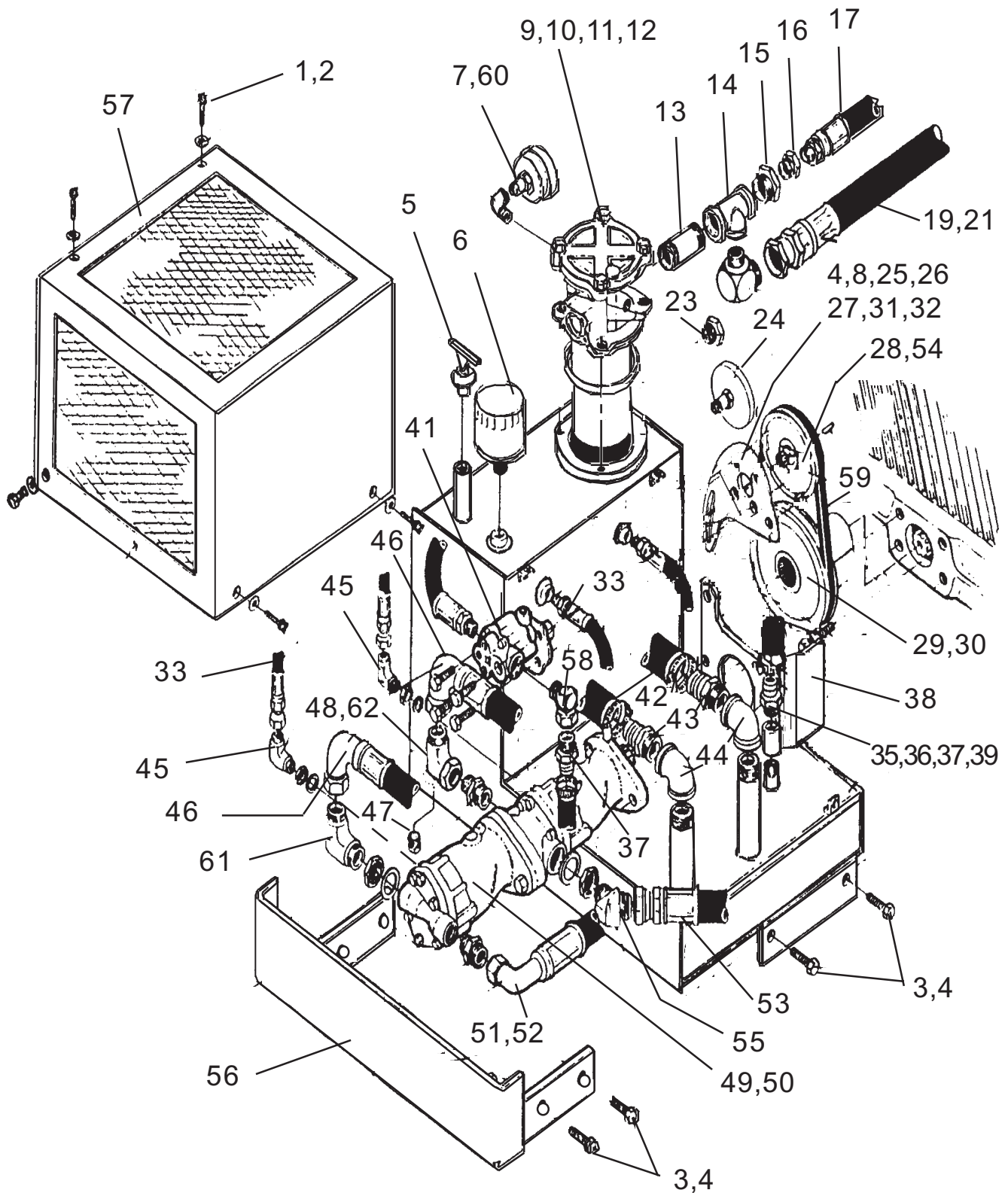
For ordering parts the following instructions are offered to help eliminate delay

1. The purchase order must include the Name, Address (Ship to Street Address) of the Person / Organization ordering the parts. Who / How Parts should be Billed. Name and Phone Number of a Contact Person at your end.
2. The Purchase Order must list clearly the correct Part Number of Part. Quantity of each Part wanted, Complete and correct Description of each Part. All Parts will be shipped as requested depending on availability and/or reasonability of request carrier / method.
3. Alamo Industrial reserves the right to substitute parts where applicable and change prices Without prior notice. Alamo Industrial also reserves the right to Ship Parts the most Reasonable way as determined by Alamo Industrial.
4. Some Parts are unlisted items, which are special production items not normally stocked or built for a limited / special use, These parts may be subject to special handling or cannot be priced till ordered. Always Request a quotation for such Parts before sending a purchase order.

Feb. 1989  
to  
Current

# PUMP & TANK Tandem Hyd.

SEE  
S/N Ship Dates  
in Back of Book

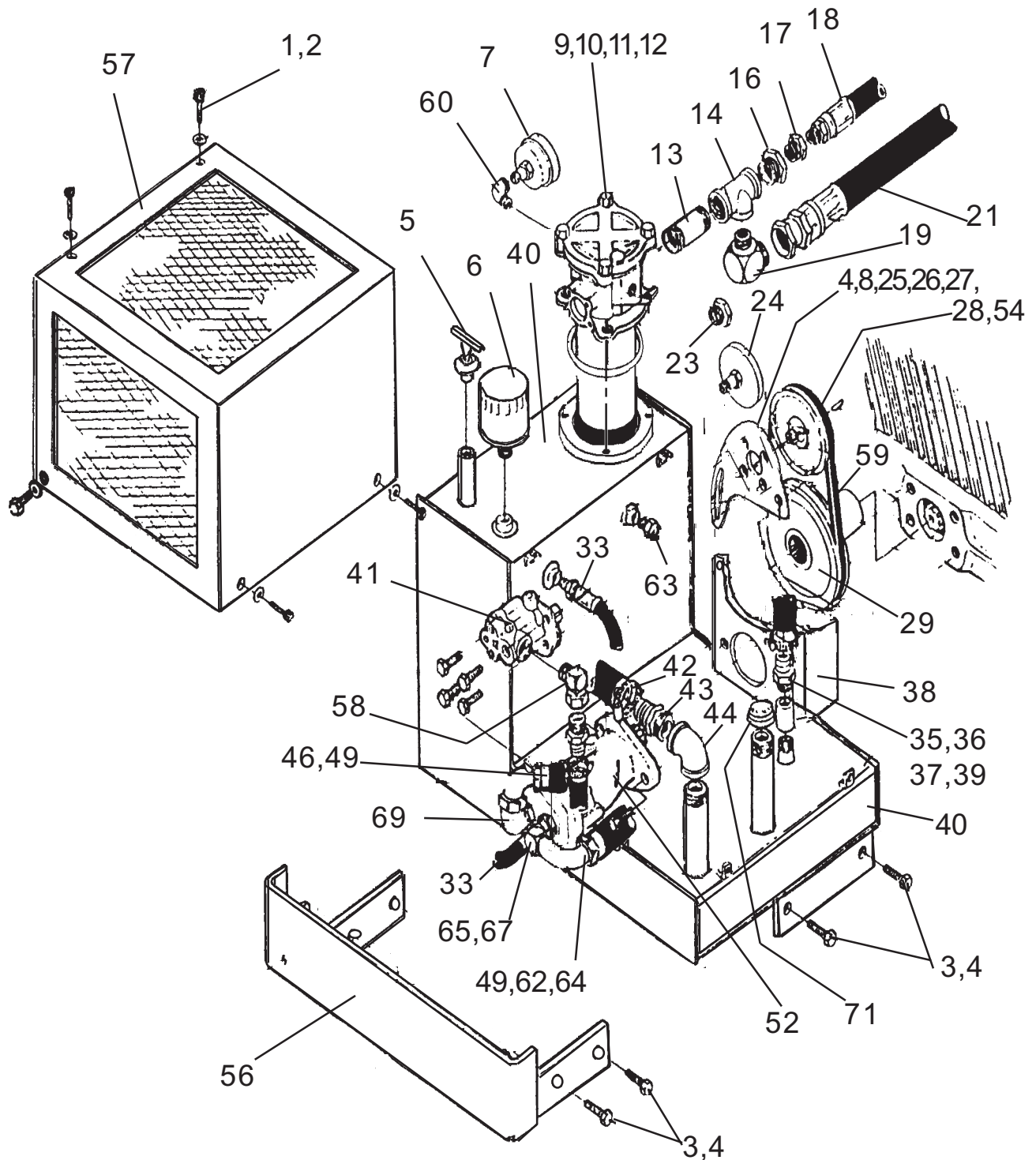




Feb. 1989  
to  
Current

# PUMP & TANK Single Hyd.

SEE  
S/N Ship Dates  
in Back of Book







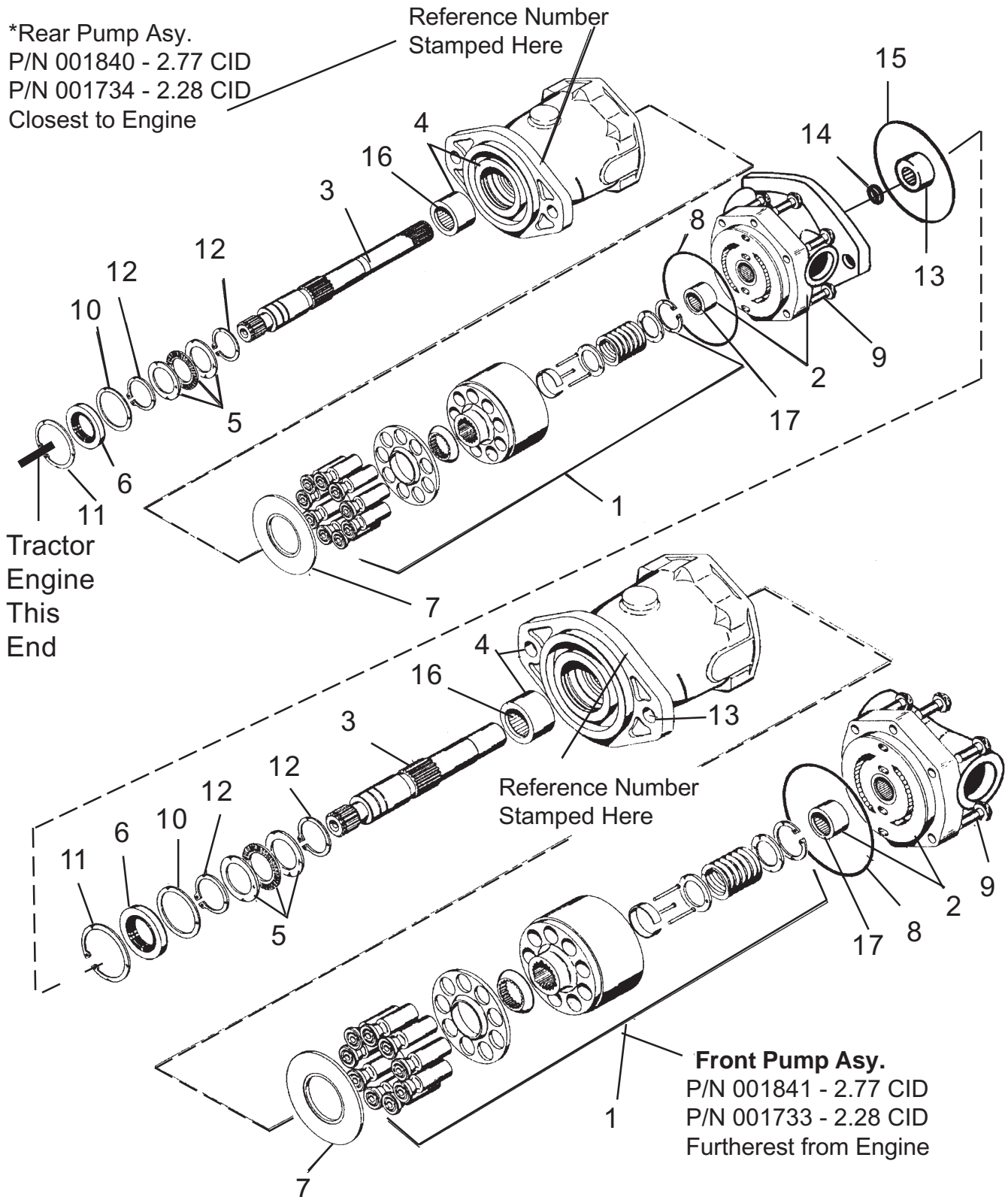
Feb. 1989  
to  
Current

# PUMP ASY. Dual Wing Front

SEE  
S/N Ship Dates  
in Back of Book

\*Rear Pump Asy.  
P/N 001840 - 2.77 CID  
P/N 001734 - 2.28 CID  
Closest to Engine

Reference Number  
Stamped Here



Feb. 1989  
to  
Current

# PUMP ASY. Dual Wing Front

SEE  
S/N Ship Dates  
in Back of Book

### \*Rear Pump Asy.

P/N 001840 - 2.77 Cu. In. Disp.

P/N 001734 - 2.28 Cu. In. Disp.

Item	Part No.	Qty	Description
1	03200402	2	Rotating Kit Asy.
2	001834	1	Back-Up Plate Asy w/Bearing
3	001835	1	Driveshaft
4	-----	1	Housing
5	001644	2	Thrust Race & Bearing
6*	-----	-	Shaft Seal
7	03200408	2	Cam Plate Insert
8*	-----	2	O-Ring
9	001836	6	Bolt
10	03200411	2	Washer
11*	-----	-	Retaining Ring
12*	-----	-	Retaining Ring
13	001839	1	Coupler
14	001843	1	Lock Ring
15	001842	1	O-Ring
16	002339	2	Bearing, Backplate
17	002340	2	Bearing, Housing
18*	001648	--	Seal Kit (Item 6,8,11,12)

### \*Front Pump Asy.

P/N 001841 - 2.77 Cu. In. Disp.

P/N 001733 - 2.28 Cu. In. Disp.

Item	Part No.	Qty	Description
1	03200402	2	Rotating Kit Asy.
2	001837	1	Back-Up Plate Asy . w/Bearing
3	001838	1	Driveshaft
4	-----	1	Housing
5	001644	2	Thrust Race & Bearing
6*	-----	-	Shaft Seal
7	03200408	2	Cam Plate Insert
8*	-----	2	O-Ring
9	02766400	6	Bolt
10	03200411	2	Washer
11*	-----	-	Retaining Ring
12*	-----	-	Retaining Ring
13	001844	2	Bolt
16	002339	2	Bearing, Backplate
17	002340	2	Bearing, Housing
18*	001648	--	Seal Kit (Item 6,8,11,12)

\* Refer To Numbers Stamped In Flange To Identify.

Flange No.	Part No.	Description
001600R	= 001841	Pump Front Section 2.77 CID
001732R	= 001733	Pump Front Section 2.28 CID
001600F	= 001840	Pump Rear Section 2.77 CID
001732F	= 001734	Pump Rear Section 2.28 CID

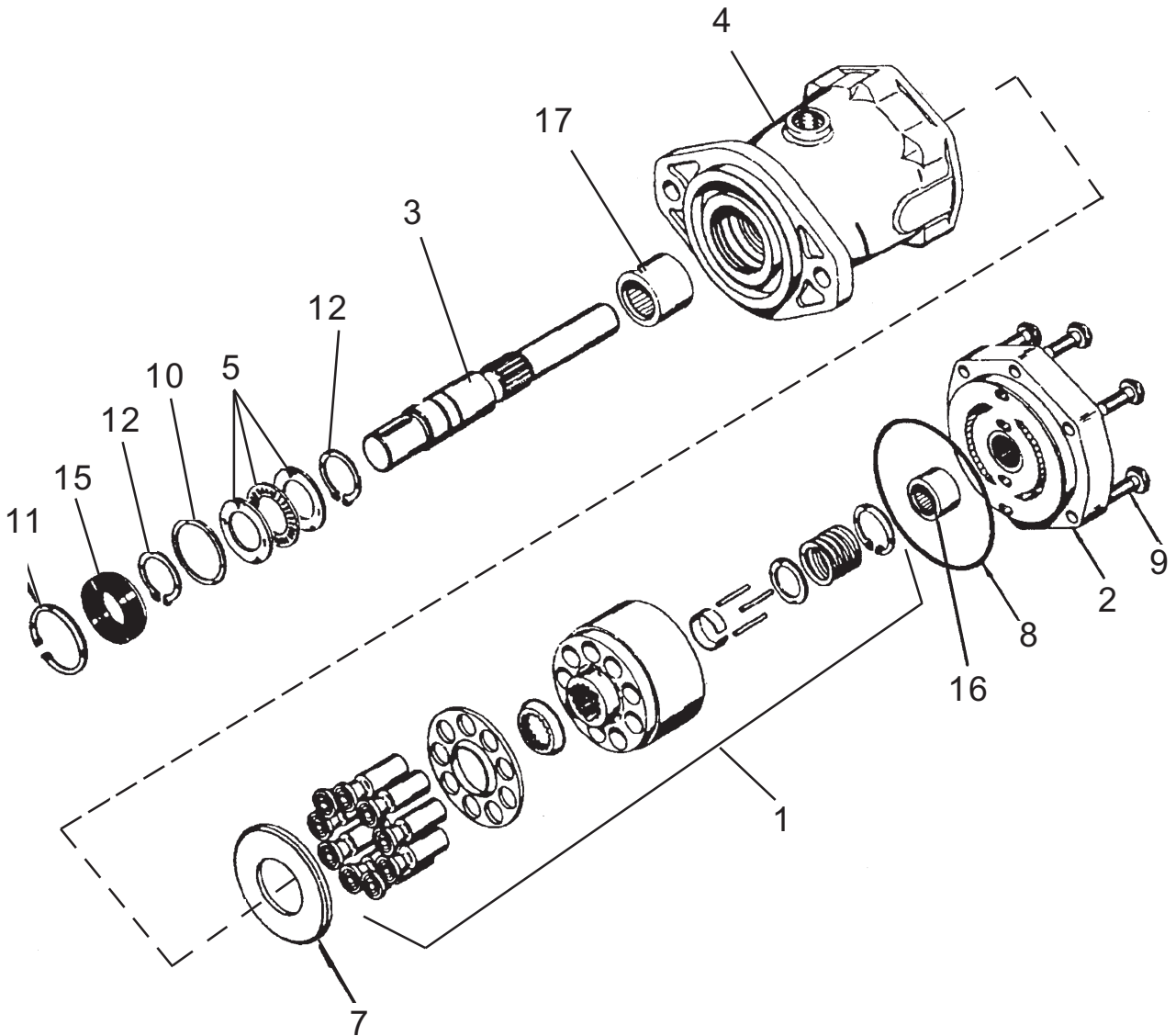
NOTE: \* Rear Pump is the section of pump closest to Engine, Front Pump bolts to Rear Pump and is furthest from Engine

NOTE: This Pump used when only 2 Wings are used (Left & Right Wing). If Unit has a Right or Left Wing Only use the Single Pump from following Pages. This Pump ONLY supplies Hydraulic pressure to Operate Head Motors, Cylinder Functions Pressure is Supplied from different Pump.

Feb. 1989  
to  
Current

# PUMP ASY. Single Wing Front

SEE  
S/N Ship Dates  
in Back of Book



Feb. 1989  
to  
Current

# PUMP ASY. Single Wing Front

SEE  
S/N Ship Dates  
in Back of Book

\*\* HYDRAULIC PUMP  
P/N 00755650 - 2.77 Cu. In. Disp.  
P/N 001827 - 2.28 Cu. In. Disp.

Item	Part No.	Qty	Description
1	03200402	1	Rotating Kit Asy.
2	03200403	1	Backplate Asy.
3	03200404	1	Splined Driveshaft
4	-----	1	Housing Asy. w/Bearings
5	001644	1	Thrust Bearing & Race Set
7	03200408	1	Camplate Insert
8*	03200409	1	O-Ring
9	02766400	6	Bolt
10	03200411	1	Washer
11*	03200412	1	Retaining Ring
12*	03200413	2	Retaining Ring
15*	03200414	1	Shaft Seal
16	002339	1	Bearing, Backplate
17	002340	1	Bearing, Housing
18*	03200415	--	Seal Kit

\* Part Included In Seal Kit

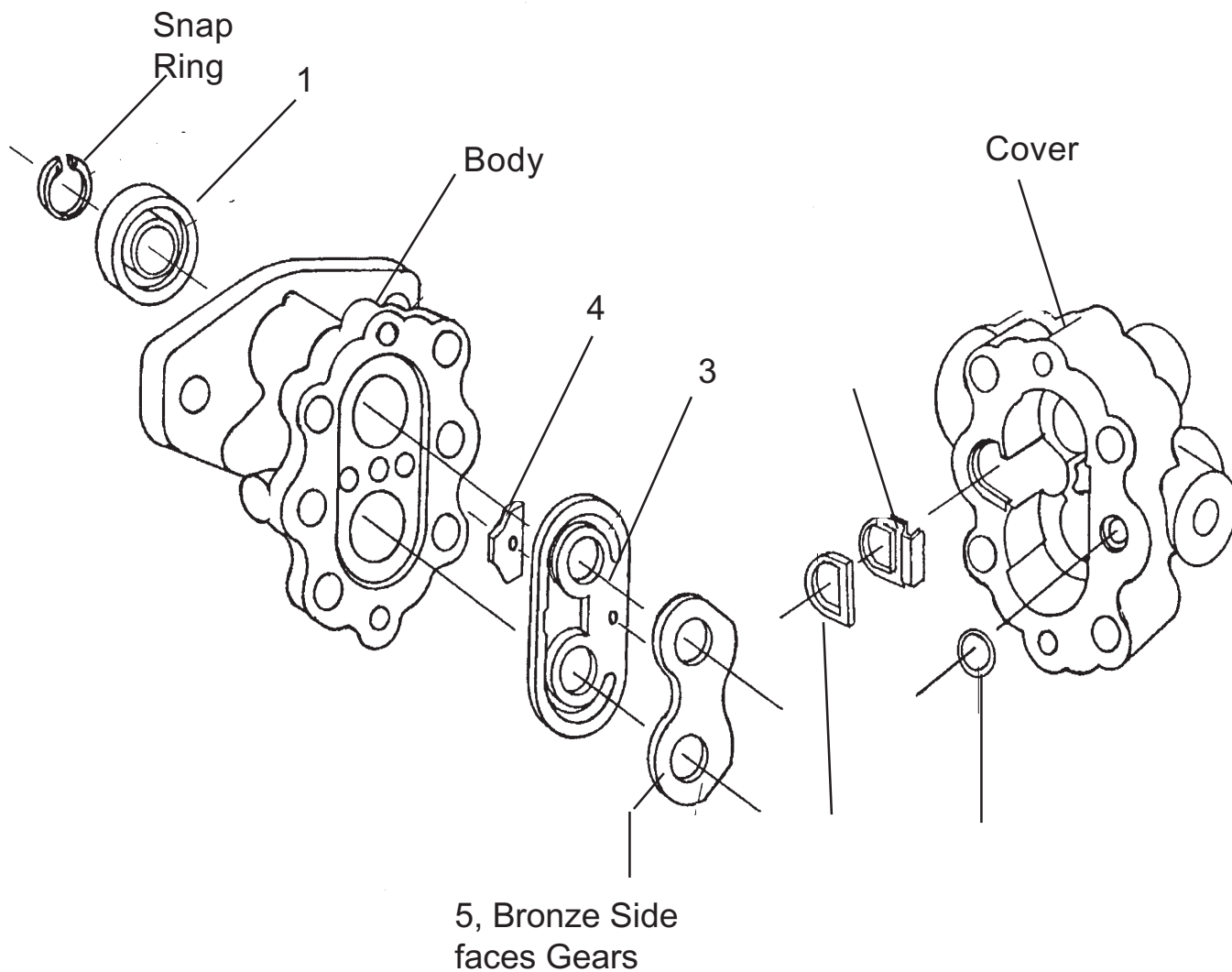
\*\* Refer to Parts Numbers Stamped In Flange to Aid In Identification

NOTE: This Pump used when only one Wing is used (Left Or Right Wing but NOT Both). If Unit has a Right and Left Wing use the Tandem (Dual) Pump from previous Pages. This Pump ONLY supplies Hydraulic pressure to Operate Head Motor, Cylinder Functions are Supplied from other Pump mounted above this one.

Feb. 1989  
to  
Current

# PUMP ASY. Gear Driven Aux. Front Lift & Tilt Cylinder

SEE  
S/N Ship Dates  
in Back of Book



Feb. 1989  
to  
Current

# PUMP ASY. Gear Driven Aux. Front Lift & Tilt Cylinder

SEE  
S/N Ship Dates  
in Back of Book

Item	Part No.	Qty	Description
	001015	--	Pump Complete, Gear Driven
1*	*	1	Shaft Seal
*	*	1	Seal Plate Asy (not shown)
2*	*	2	O-Ring
3*	*	1	Seal Assembly
4*	*	1	Anti-Extrusion Block
5*	*	1	Wear Plate
6*	*	1	Gasket Insert
7*	*	1	Bridging Insert
8*	*	3	Screw
9	001235	1	Key
10	001015	1	Pump Repair Kit, Includes Item 1 thru 8
11	000001	4	Bolt (Not Shown)
12	000018	4	Lockwasher (Not Shown)
13	001000	2	Setscrew (Not Shown)

\*Available in Repair kit Only

NOTE: Remanufactured gear pumps are available.

Consult your Alamo Group Sales Representative.

NOTE: This Pump Supplies Pressure to operate Cylinders Only , Lift and Tilt and does NOT affect head operation at all.





Feb. 1989  
to  
Current

# PUMP ASY.

## Aux. Front Pump Lift & Tilt Cylinder

SEE  
S/N Ship Dates  
in Back of Book

\* NOTE: Item 9 Drive Pulley Will vary depending on type and model of Tractor, See Installation Drawing for the Tractor Model Being Used. See Installation Drawing Number Reference Chart in the Front Drive Shaft Section of this Book, flt will list the Drawing number that should have been sent with your Mount Kit. This Pump is used to operate Lift & Tilt Cylinder on Units with the Aux. Pump. This Pump & Components NOT Used on Units that use Tractor Hydraulics for Cylinder Operation.

### Item 2\*\* Used on Models That use Aux. Pump

- 106512**----- **CASE 585 & 595** Row Crop Axle (w/RHO)  
**FORD-3910, 250C & 4610AP**, (w/RHO) **FORD-4630**, Cab, 4-WD (w/RHO)  
**FORD-5610,6610** Cab or Ford Cab & A/C (w/Dual Wings or Single Wings)  
**FORD-7710 & 7710 II**, Cab, A/C, 4-WD (w/Dual Wings or RHO)  
**HESSTON 140-90** Cab 2-WD or 4-WD (w/Dual Wings)  
**JD 23-2755** Cab w/12 Gal. or 23 Gal. Pump 2-WD (w/Dual Wing, RHO, RH1st or Single Wing), **JD 2955** Cab, 23 GPM Pump (w/Dual Wings or RHO)  
**MF28 & MF285** (w/Dual Wings), **MF283** (w/RHO), **MF375** 2-WD or 4-WD (w/Dual or Single Wing), **MF375 / 383** 4-WD (w/Dual Wing), **MF4000 SRS** 2-WD (w/Dual Wings)
- 107616**----- **CASE-IH 4000 & 95** Cab, Utility Bolster (w/Dual Wings or RH1st) **CASE-IH 5120** 4-WD (w/RHO), **CASE 685 / 885 & 695 / 895** Cab, Utility Bolster 4-WD (w/Dual Wings, RHO or RH1st)  
**FORD-5030** Cab, Rops, 4-WD (w/Dual Wing, RHO or RH1st) **FORD-5640,6640,7740** Cab, 4-WD, **FORD TS- SERIES** Cab or Rops, 2-WD or 4-WD (w/Dual Wing or RHO) (w/Dual Wing, RHO or RH1st), **FORD-6610-S** (w/Dual Wing or RH1st) , **FORD-7810-S** (w/Dual Wings), **FORD-7840**, Cab, 4-WD (w/Dual Wing)  
**JD 5300 / 5310** (w/RHO), **JD 6210, 6310 & 6410**, Cab 4-WD (w/Dual Wings or RH1st)  
**JD6000**, Cab, 2-WD or 4-WD (w/Dual Wing or RH1st)  
**MF253** w/Laurin Cab (RHO)

### Item 9\*\* Used on Models That use Aux. Pump

- 106581** ----- **CASE-IH 585, 595**, Row Crop Axle, (w/RHO), **CASE-685 / 885**, Utility Bolster (w/RHO), **CASE-685 / 885**, 4-WD, Utility Bolster (w/RH1st), **CASE-IH 695 / 895**, 2-WD or 4-WD, Utility Bolster, (w/RH1st)  
**FORD-4630**, Cab 4-WD (w/RHO), **FORD-5030**, 4-WD (w/RHO) **FORD-5030**, Cab, (w/RH1st), **FORD-5610,6610,7610** (w/RHO) **FORD-7710**, Cab,A/C,4-WD (w/RHO)  
**FORD-7710-II**, Cab,A/C, (w/RHO) **FORD-5640,6640,7740**, Cab, 4-WD (w/RHO)

Continued Next Page

Feb. 1989  
to  
Current

# PUMP ASY.

## Aux. Front Pump Lift & Tilt Cylinder

SEE  
S/N Ship Dates  
in Back of Book

Continued From Previous Page

### Item 9\*\* Used on Models That use Aux. Pump

(106581 Continued)

**FORD-5640,6640,7740**, Cab, (w/RHO or RH1st), **FORD-TS-SERIES**, 2-WD or 4-WD, Cab or Rops, (w/RHO), **FORD TS-SERIES**, Cab 4-WD (w/RHO)

**JD-5300 / 5310**, (w/RHO), **JD-2955**, Cab, 23 GPM Pump, (w/RHO)

**MF-253**, Laurin Cab, (w/RHO), **MF-283**, (w/RHO), **MF-285**, (w/Dual Wings, RHO or Single Wing)

**106582**----- **FORD-250C**, (w/RHO), **FORD-3910**, (w/RHO), **FORD-4610AP**, (w/RHO)

**FORD-5610,6610**, Cab (Ford), A/C (w/Dual Wings or Single Wing)

**702785**----- **CASE-IH 95 & 4000 SERIES**, Cab, Utility Bolster, (w/Dual Wings or RH1st), **CASE-IH-5120**, 4-WD (w/RHO), **CASE-IH-685 / 885**, with or w/o Cab, 4-WD, Utility Bolster, (w/Dual Wings or RH1st), **CASE-IH 695 / 895**, 2-WD or 4-WD, Utility Bolster, (w/Dual Wing)

**FORD-5030**, Cab, (w/Dual Wings), **FORD-5610,6610,7610** (w/Dual Wings),

**FORD-5640,6640,7740**, 4-WD, 11.2 X 24 Max Front Tire Size, (w/Dual Wing),

**FORD-5640,6640,7740**, Cab (w/

Dual Wing), **FORD-6610-S**, (w/Dual Wing or RH1st), **FORD-7710**, Cab, A/C, 4-WD

(w/Dual Wings), **FORD-7710-II**, Cab, A/C (w/Dual Wings) **FORD-7810-S** (w/Dual

Wings), **FORD-7840**, Cab, 4WD (w/Dual Wings), **FORD-TS-SERIES**, Cab or Rops, 2-WD or 4-WD (w/Dual Wings)

**HESSTON-140-90**, Cab, 2-WD or 4-WD, (w/Dual Wings)

**JD-2955**, Cab, 23 GPM Pump, (w/Dual Wings)

**MF-28**, (w/Dual Wings), **MF-375,383**, 2-WD or 4-WD, (w/Dual Wings), **MF-4000-SRS**, Rops, 2-WD, (w/Dual Wings)

**106757**----- **JD-2355, 2555, 2755**, 12 or 23 GPM Pump, 2-WD or 4-WD (w/RHO),

**JD2355,2555,2755**, Cab, 12 or 23 GPM Pump, (w/RHO)

**106683**----- **JD-2355, 2555, 2755**, 12 or 23 GPM Pump, 2-WD or 4-WD (w/Dual Wings),

**JD2355,2555,2755**, Cab, 12 or 23 GPM Pump, (w/Dual Wings),

**107967**----- **JD-6210,6310,6410**, Cab, 4-WD (w/Dual Wings & RH1st), **JD-6000-SERIES**, w/o Cab, 2-WD or 4-WD, (w/Dual Wing or RH1st)

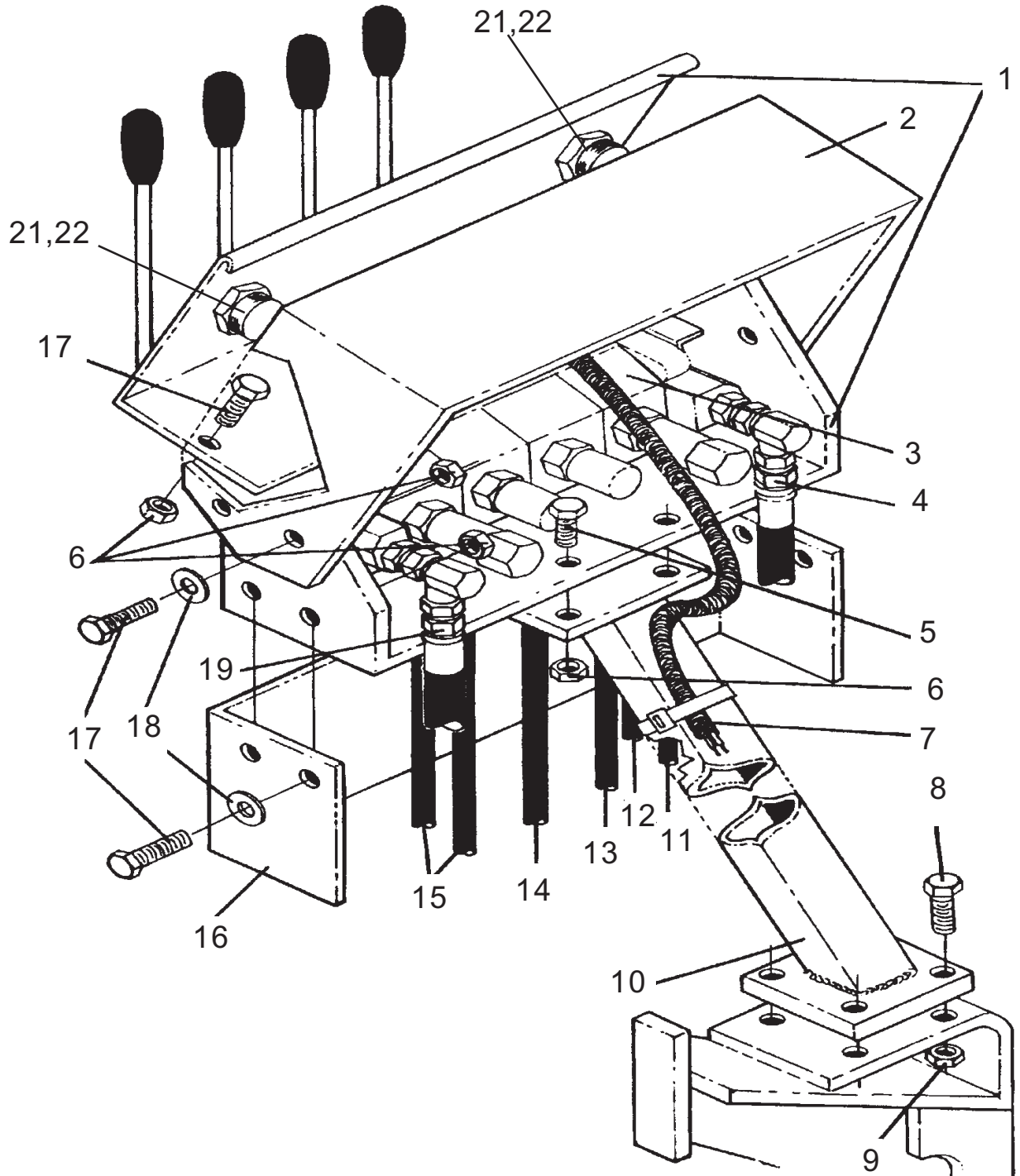
**107931**----- **JD-6210,6310,6410**, Cab, 2-WD (w/RH1st), **JD-6000-SERIES**, Cab, (w/RH1st)

# NOTES

Feb. 1989  
to  
Current

# CONTROL VALVE W/ STAND 2 or 4 Spool

SEE  
S/N Ship Dates  
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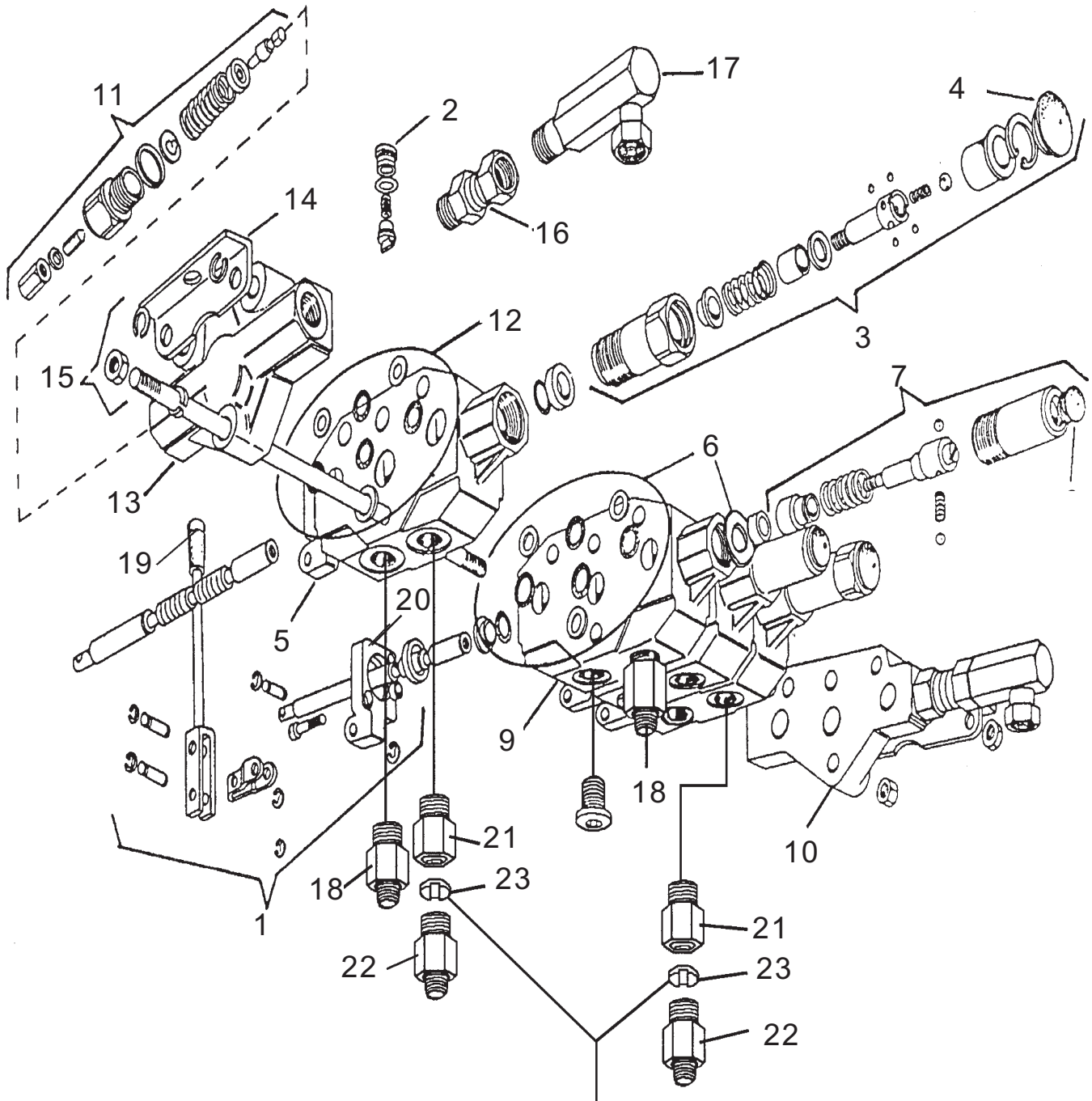




Feb. 1989  
to  
Current

# CONTROL VALVE 2 or 4 Spool

SEE  
S/N Ship Dates  
in Back of Book



Note Orientation of  
Notch in Orifice Plates

Feb. 1989  
to  
Current

# CONTROL VALVE 2 or 4 Spool

SEE  
S/N Ship Dates  
in Back of Book

Item	Part No.	2 - Spool	4 - Spool	Description
		702743	702744	
		Qty	Qty	
1	001415	2	4	Handle Asy. Kit
2	001416	1	1	Check Valve Asy. Kit
3	001417	1	2	Spool Position Kit (Tilt Section)
4	001418	1	2	Dust Cover (Tilt Section)
5 *	001419	1	2	Tilt Section, Complete (Inc. 1-3)
6	001420	2	4	Body Seal Kit
7	001421	1	2	Spool Position Kit (Lift Section)
8	001422	1	2	Dust Cover (Lift Section)
9 *	001423	1	2	Lift Section, Complete (Inc. 1,2,7)
10 *	001424	1	1	Outlet Section
11	001425	1	1	Relief Valve Kit
12	001426	1	1	Inlet Section Seal Kit
13 *	001427	1	1	Inlet Section, w/Relief Valve #11
14	001428	2	2	Mounting Bracket
15	001429	1	-	Tie Rod Kit (2 Section Valve)
	001430	-	1	Tie Rod Kit (4 Section Valve)
16	001288	2	2	Swivel Hose Adapter w/ O-Ring
17	000755	2	2	Union, Swivel, 90 Deg.
18	03200284	2	4	Adapter, Straight
19	002487	2	4	Knob
20	002488	2	4	Bracket
21	02972112	1	2	Adapter, Straight
22	02822300	1	2	Adapter, Straight
23	02969398	1	2	Orifice Plate

\* Does not include hose fittings

Feb. 1989  
to  
Current

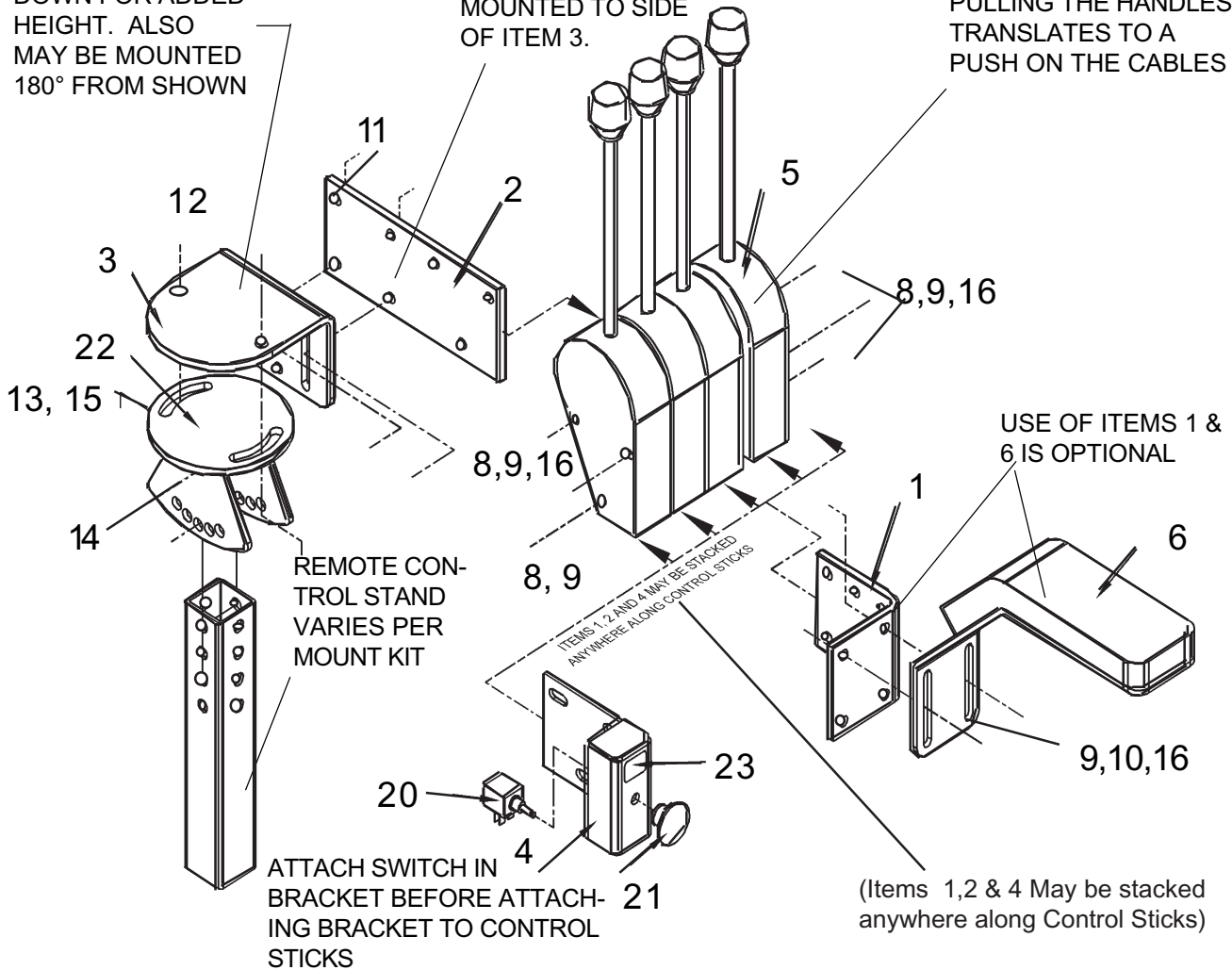
# REMOTES CONTROL VALVE 2 or 4 Spool

SEE  
S/N Ship Dates  
in Back of Book

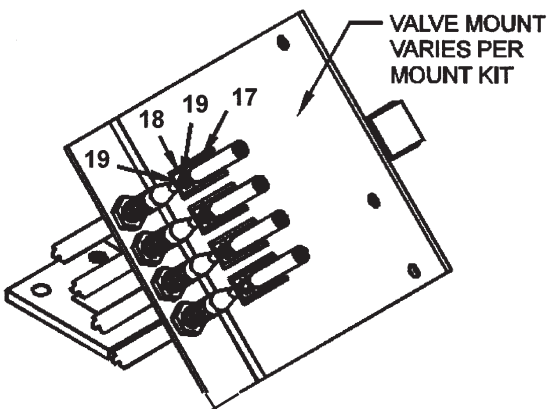
ITEM 3 MAY BE MOUNTED UPSIDE-DOWN FOR ADDED HEIGHT. ALSO MAY BE MOUNTED 180° FROM SHOWN

USE OF ITEM 2 IS OPTIONAL; CONTROLS MAY BE MOUNTED TO SIDE OF ITEM 3.

FOR ITEM 5 IN THE SHOWN ORIENTATION, PULLING THE HANDLES TRANSLATES TO A PUSH ON THE CABLES



## INTERSTATER VALVE CONNECTION DETAIL



## CONTROL CABLES

02971200	48" Lg	Cable - RVC to Bulkhead
02971201	60" Lg	Cable - RVC to Bulkhead
02971202	72" Lg	Cable - RVC to Bulkhead
02971203	102" Lg	Cable - RVC to Bulkhead



Feb. 1989  
to  
Current

# REMOTES CONTROL VALVE 2 or 4 Spool

SEE  
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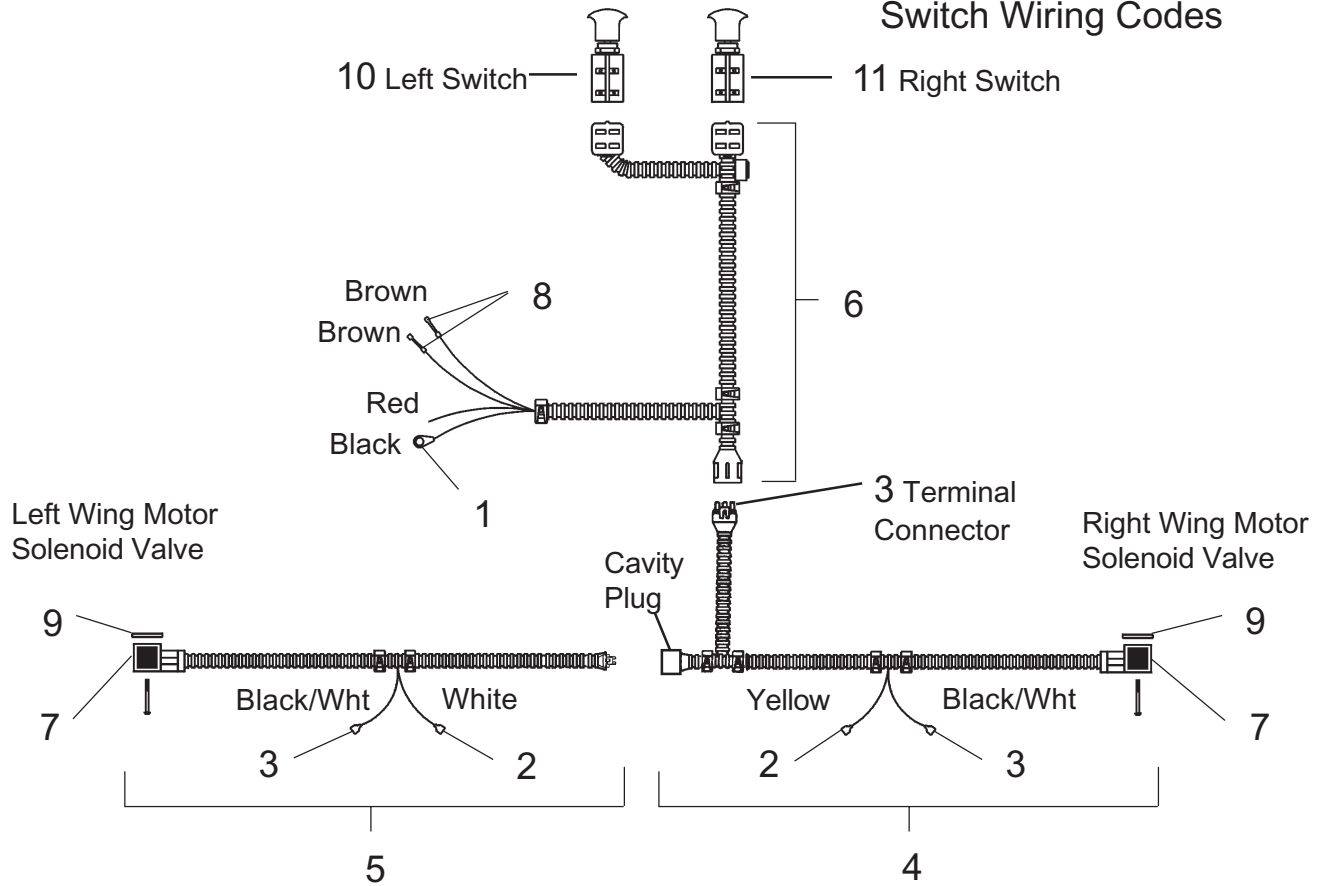
Item	Part No.	Qty	Description
1	02971188	1	Bracket, Arm Rest Mount
2	02971189	1	Plate, Mount Extension
3	02971190	1	Bracket, Pivot Plate Mount
4	02971191	1 or 2	Weldment, Switch Mount
5	02971243	2 or 4	Assembly, Single Axis Control Stick
6	02971260	1	Assembly, Arm Rest
7	02971266	1	Weldment, Bracket-valve connect
8	02733700	3	Bolt (2-Handle)
	02965619	3	Bolt (4-Handle)
9	00023500	10	FlatWasher
10	00035900	2	Bolt
11	10119000	2	Bolt
12	00011400	2	Bolt
13	00011100	2	Flatwasher
14	00059900	2	Bolt
15	0015800	4	Locknut
16	00750940	7	Locknut
17	001856	2 or 4	Roll Pin
18	106721	2 or 4	Clevis
19	02962363	4 or 8	Nut
20	02964028	1	Switch, Push Pull
21	02964063	1	Knob
22	02961489	1	Pivot Plate Weldment
23	02962748	1	Decal, ON/OFF Switch
	02958203	1	Wire Harness Kit (Not Shown)

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# Wiring Harness Dual Wing RH & LH Wing

SEE  
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See Next Pages for  
Switch Wiring Codes



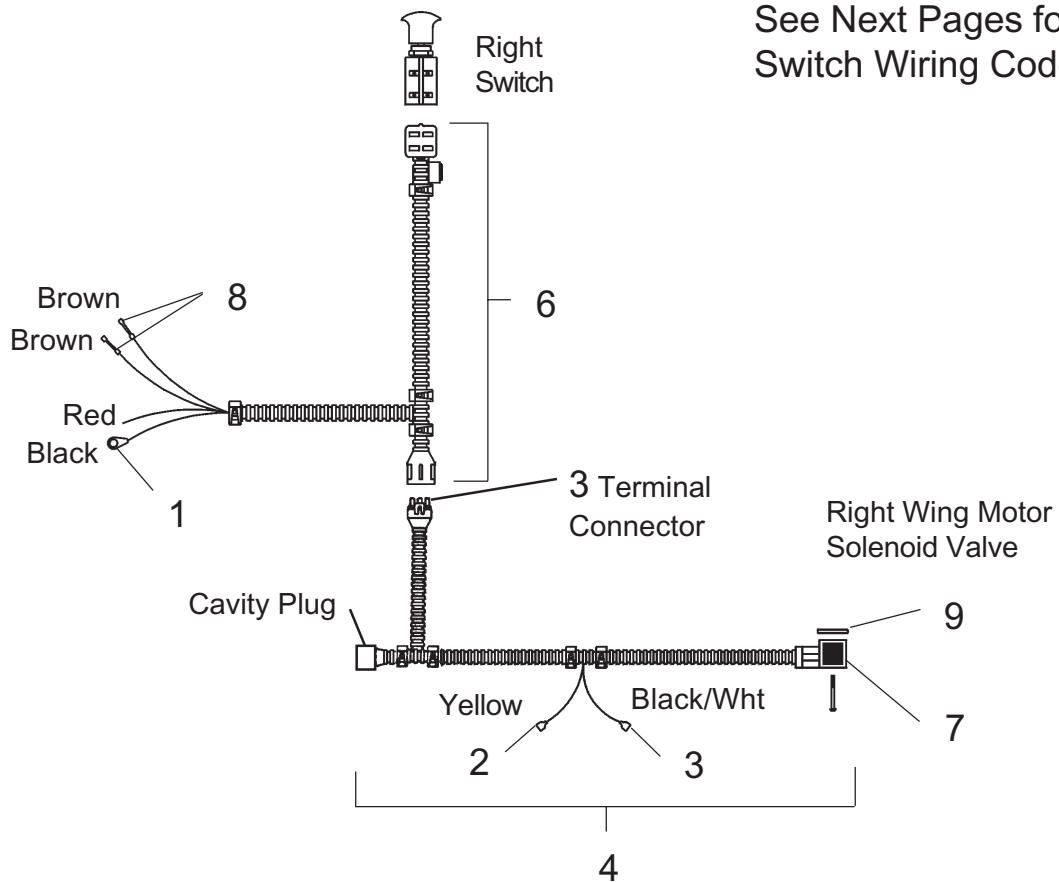
Item	Part No.	Qty	Description
1	001028	2	Terminal - Ring
2	001170	2	Female Spade Terminal
3	001896	2	Terminal - Male
4	002496	1	Right Wing Harness Comp.
5	002497	1	Left Wing Harness Comp.
6	002498	1	ROPS Tractor Harness Comp.
	002500	1	Cab Tractor Harness Comp.
7	002504	2	Connector w/ Gasket & Screw
8	01159000	2	Butt Connectors
9	02976024	2	Connector Gasket
10	-----	1-ref	LH Switch (See Next Pages)
11	-----	1-ref	RH Switch (See Next Pages)

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# Wiring Harness Single Wing

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## RH First or RH Only Wing



Item	Part No.	Qty	Description
1	001028	2	Terminal - Ring
2	001170	1	Female Spade Terminal
3	001896	1	Terminal - Male
4	002496	1	Right Wing Harness Comp.
6	002499	1	ROPS Tractor Harness Comp.
	002501	1	Cab Tractor Harness Comp.
7	002504	1	Connector w/ Gasket & Screw
8	01159000	2	Butt Connectors
9	02976024	1	Connector Gasket
10	-----	1-ref	RH Switch (See Next Pages)

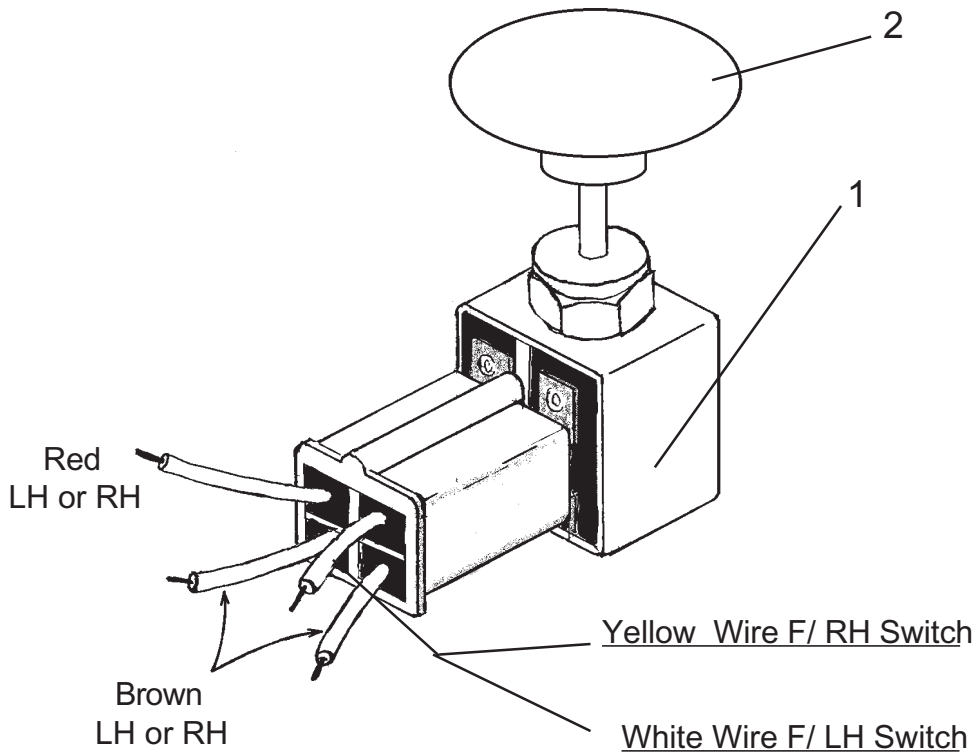
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# Motor Control Switches

SEE  
S/N Ship Dates  
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Dual Wing, RH First Wing or RH Only Wing

Right OR Left Switch



Item	Part No.	Qty	Description
1	-----	1-ref	Switch Asy, LH-Wing (Avail as Parts Only)
	-----	1-ref	Switch Asy., RH-Wing (Avail as Parts Only)
1	02964028	a/r	Switch Only, LH or RH
2	02964063	a/r	Knob, Red, Screw On Type
3	02964271	a/r	Switch Mounting Instruction Sheet (Not Shown)

**NOTE:** Dual Wings Use a Left & Right Switch, RH First or RH Only use only a Right Switch, LH or RH is the same Switch, Its in the Wire connections (Wire Colors) that determines which Switch.

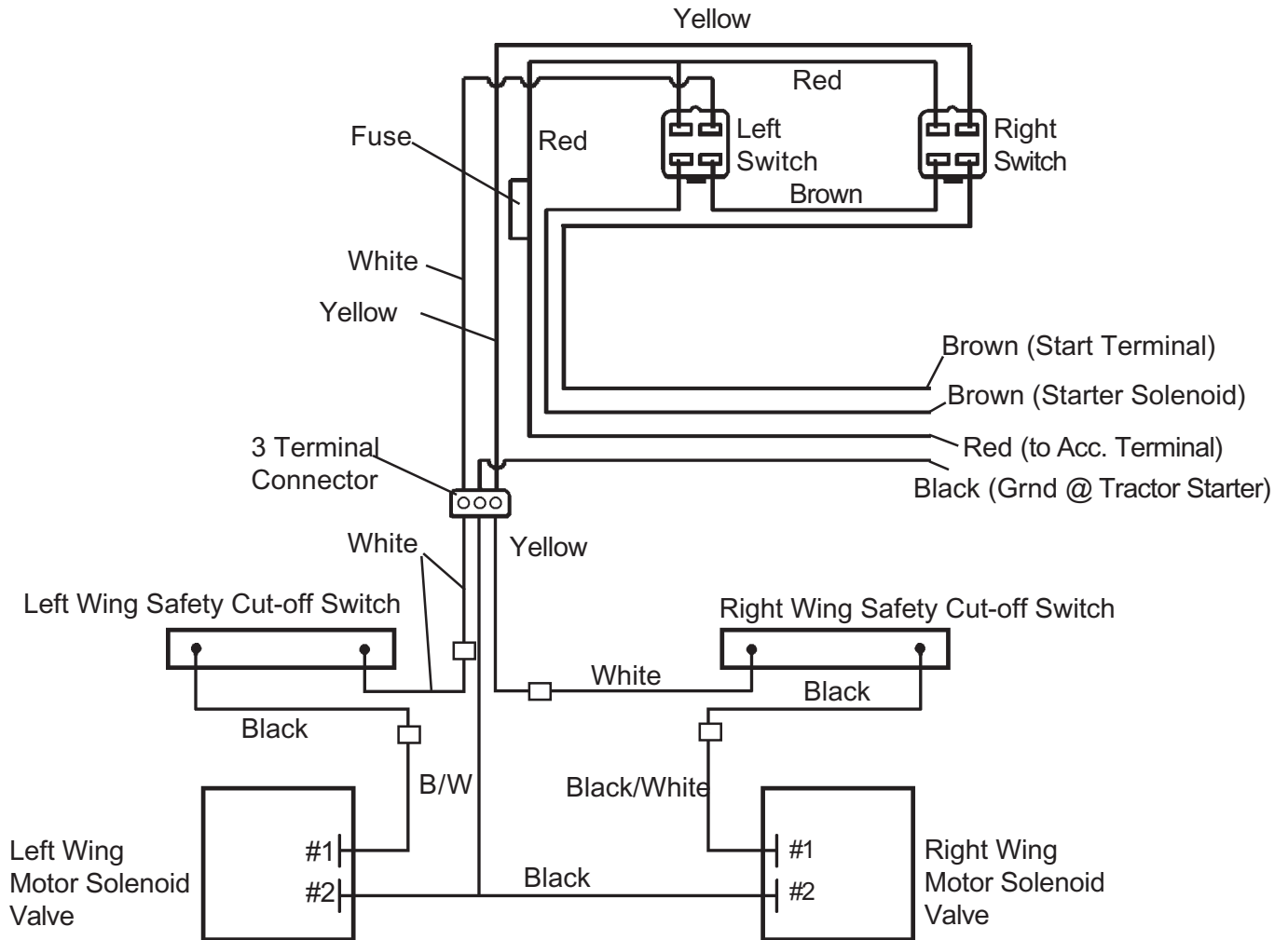
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# Wiring Harness Diagram

SEE  
S/N Ship Dates  
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## DOUBLE WING MOWER SHOWN

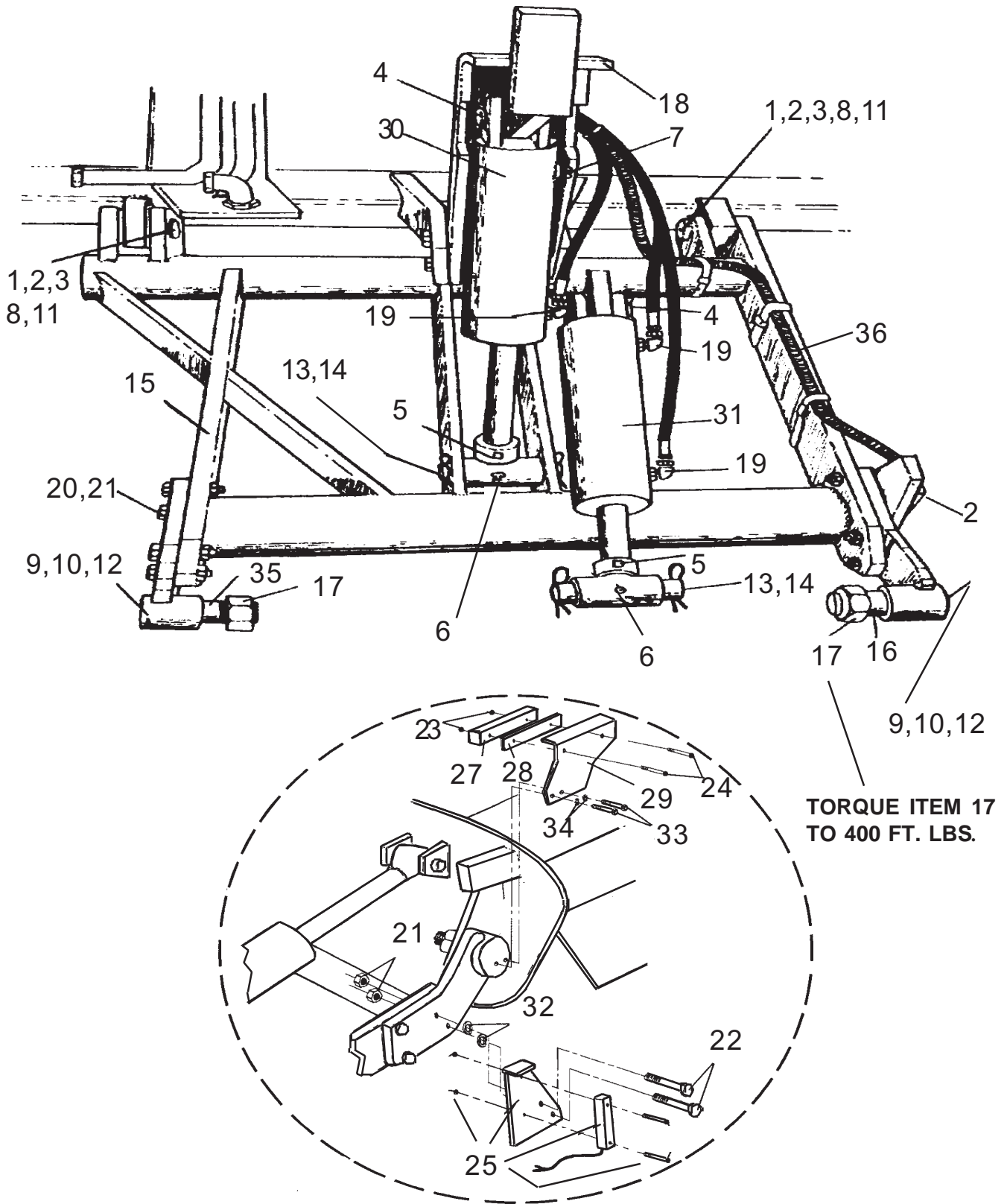
(Single Wings have only the Right Wing Motor Solenoid Valve harness)



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# CYLINDER ATTACHMENT LIFT & TILT

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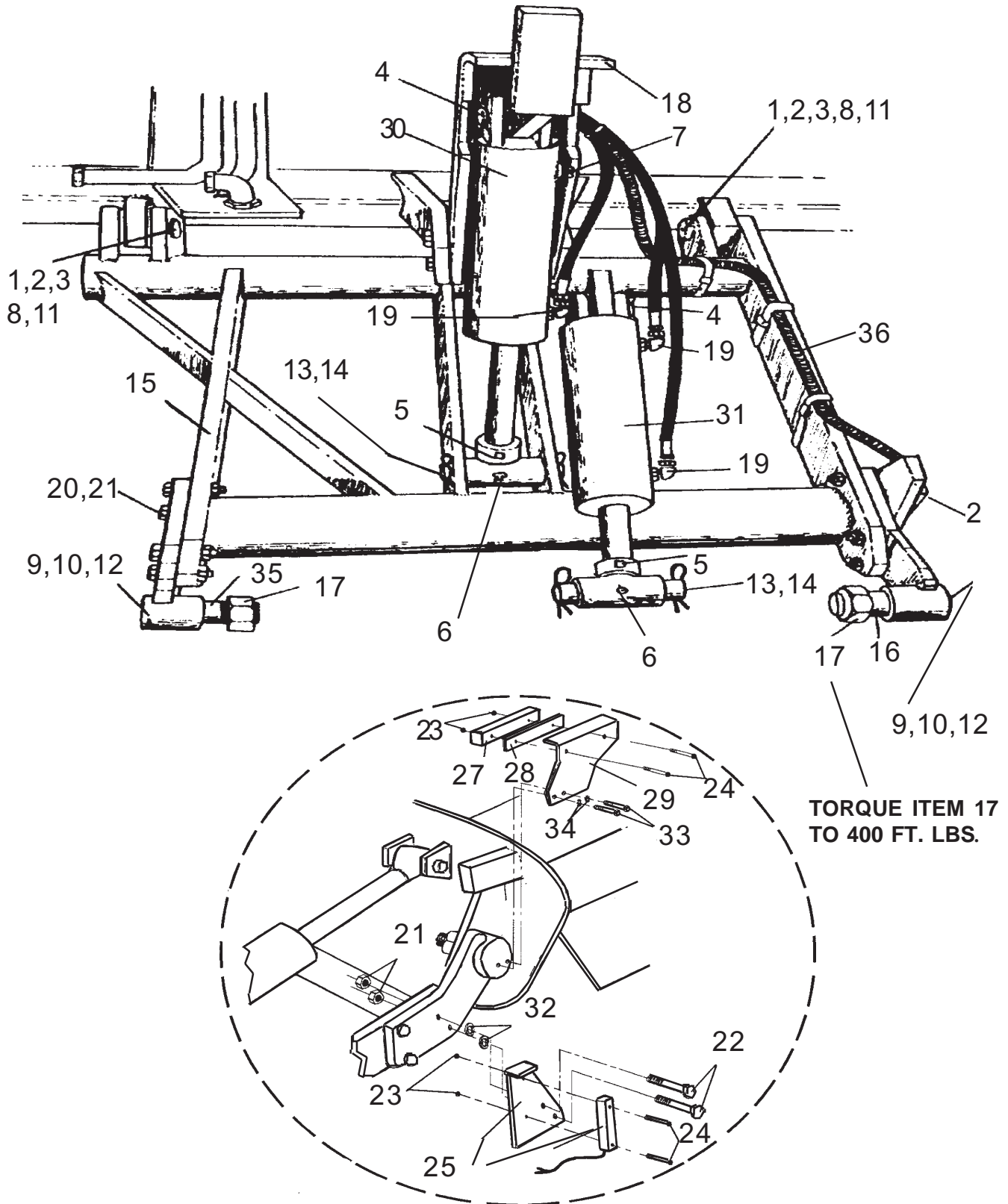




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Current

# CYLINDER ATTACHMENT LIFT & TILT

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in Back of Book



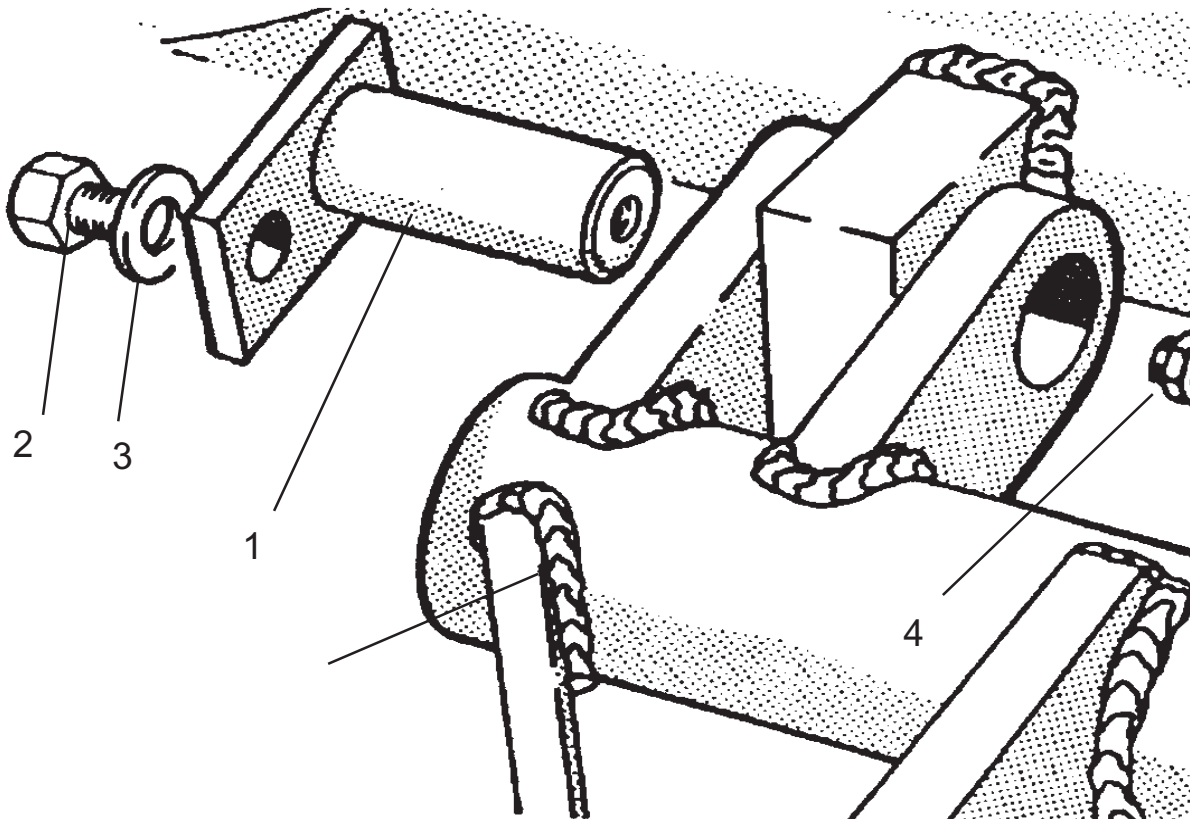




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# CYLINDER ATTACHMENT PIVOT PIN LIFT & TILT

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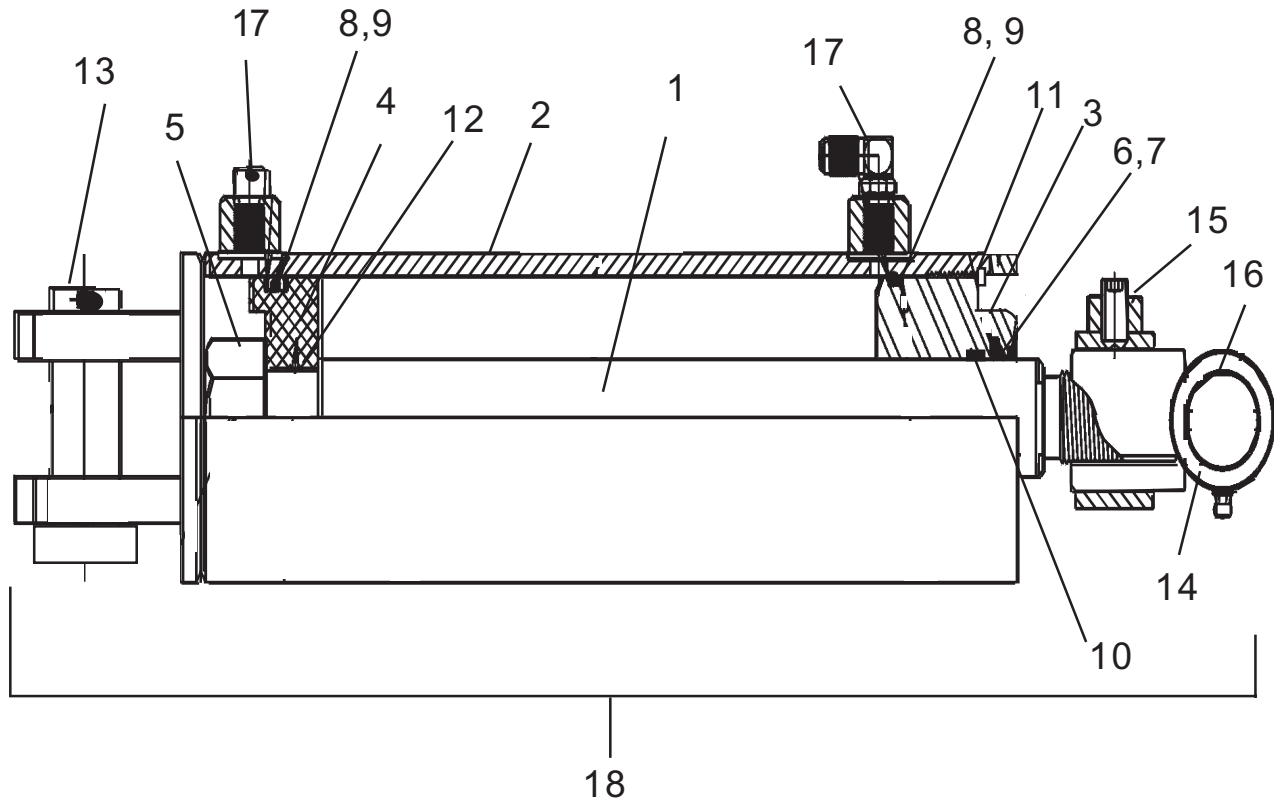
Item	Part No.	Qty	Description
1	700883	4	Inner Pivot Pin w/ Item # 4
2	02035400	4	Bolt
3	03101646	4	Lockwasher
4	00752670	4	Grease Fitting Only
5	106392	1	Lift Frame, RH (not shown)
	106393	1	Lift Frame, LH (Shown)

# NOTES

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# CYLINDER TILT P/N 701105

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Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	<b>701105</b>	--	<b>Tilt Cyl. Asy. W/Pins</b>	13	001007	1	Pin w/Cotter Pin
1	001074	1	Rod		001750	1	Pin Only
2	-----	1	Barrel (Use 103140A)		00755153	1	Cotter Pin Only
3	002605	2	Gland	14	103266	1	Pin, Rod End (N/S)
4	001073	1	Piston		00755153	2	Cotter Pin
5	001077	1	Nut	15	700992	1	Rod End Clamp w/ Set Screw
6*	-----	1	Seal, Back-Up	16	700907	1	Rod End w/ Grease Fitting
7*	-----	1	Seal, O-Ring	17	02045200	1-ref	Elbow
8*	-----	2	Seal, O-Ring		00751003	1	Plug (Pipe Thread)
9*	-----	3	Seal, Back-Up	18	103140	1	Cylinder (w/o 14 & 15)
10*	-----	1	Seal, O-Ring	19*	000873	--	Seal Kit, * Includes items 6 thru 11
11*	-----	1	Snap Ring				
12*	-----	1	Seal, Static				

Note: Cylinders Part No. 103140 & 701105 are no longer available as an assembly they are replaced by Cylinder Asy. P/N 701105A. Tilt Cyl. has 3-1/2" Bore X 8" Stroke = 3-3/4" OD at Barrel. Cyl. To ID this CYL note item # 3 it is retained by a Snap Ring (item # 11), The later type Cyl the Gland screws direct into the Barrel. The Ports (item # 17) on this Cyl are NPT Thread, The Later Cyl has an O-Ring Boss Fitting

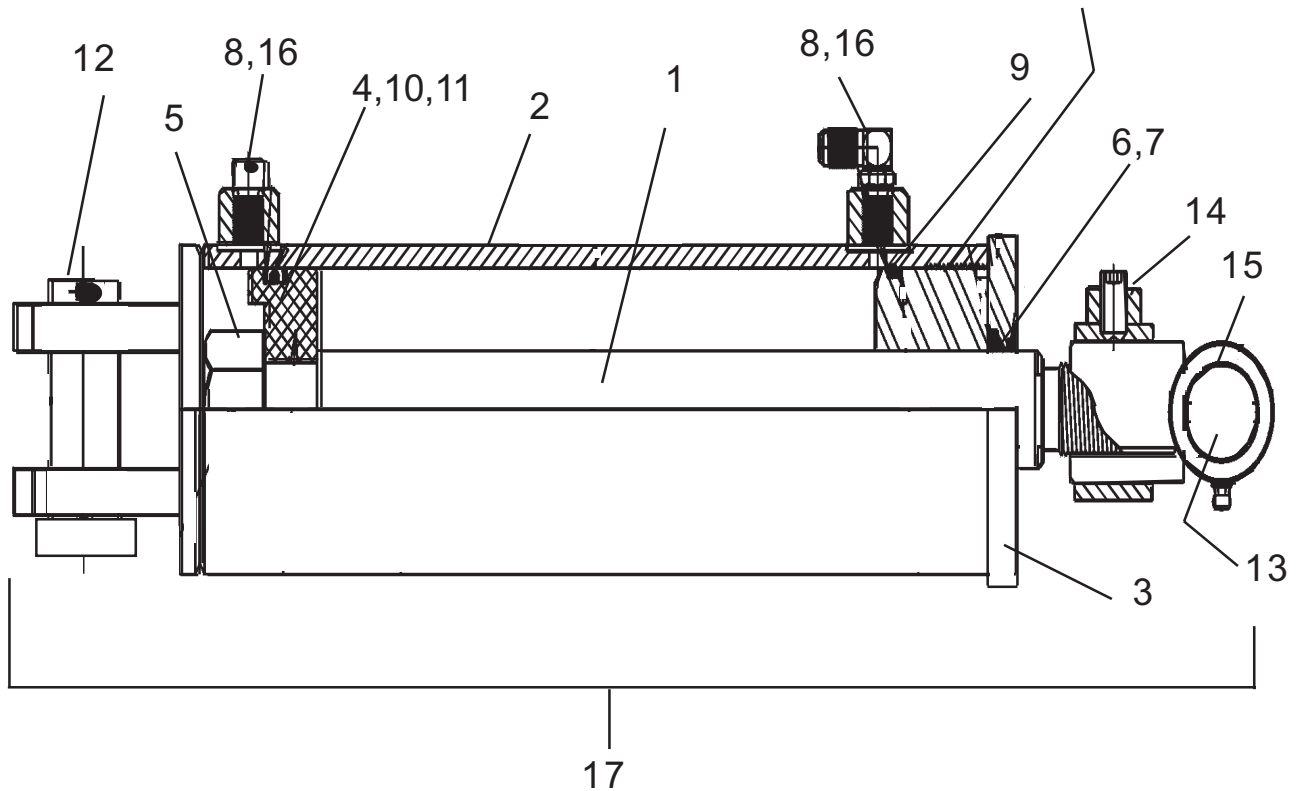
INTERSTATER (Archive Book) 10/02

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# CYLINDER TILT P/N 701105A

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Apply a drop of Locktite 242 in 3 places 120 deg. apart on the first 2 threads of Cyl. Head



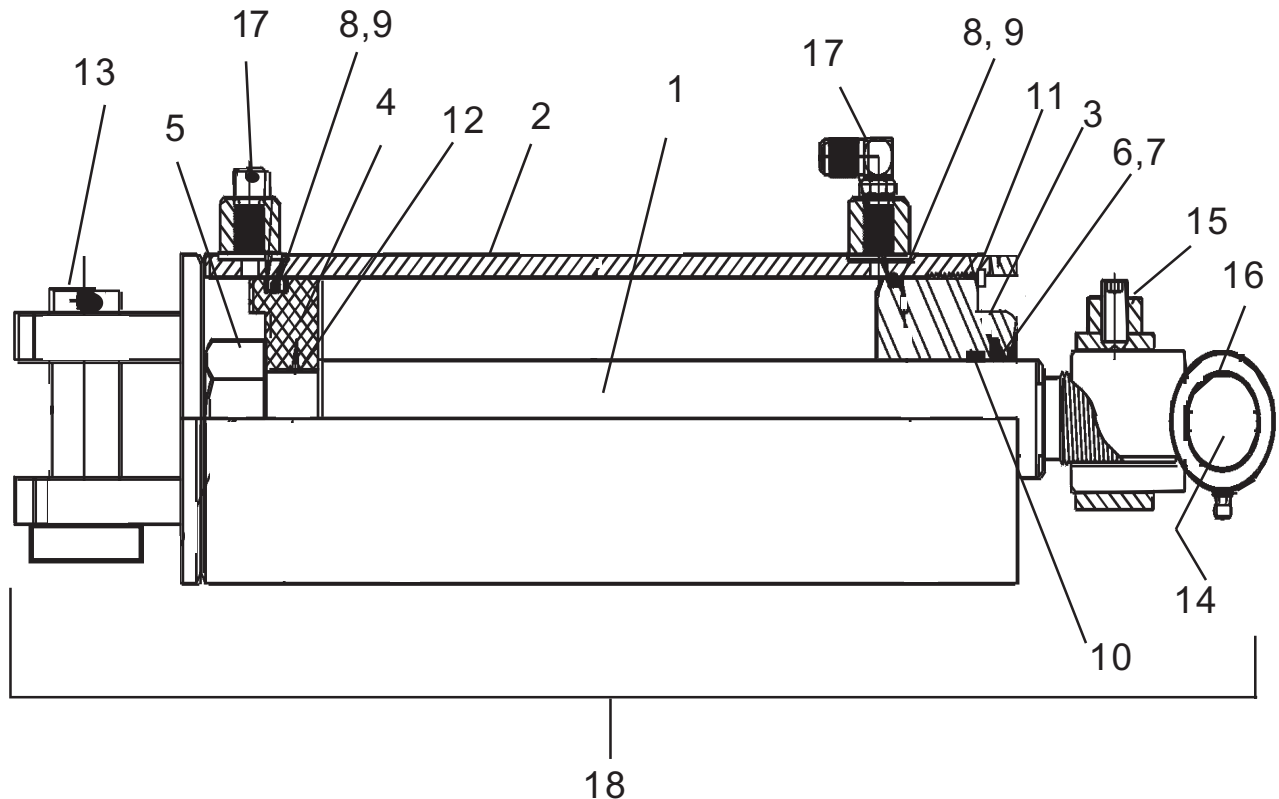
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	<b>701105A</b>	--	<b>Tilt Cyl. Asy. W/Pins</b>	12	001007	2-ref	Pin w/Cotter
1	002624	1	Rod Cylinder		001750	2-ref	Pin Only
2	002623	1	Barrel		00755153	4-ref	Cotter Pin Only
3	002622	1	Gland, Cyl. Head	13	103266	1	Pin, Rod End (N/S)
4	002625	1	Piston		00755153	2	Cotter Pin
5	5JRC16140	1	Nut	14	700992	1	Rod End Clamp w/ Set Screw
6*	-----	1	Rod Seal	15	700907	1	Rod End w/ Grease Fitting
7*	-----	1	Rod Wiper	16	02960018	1-ref	Elbow
8*	-----	2	O-Ring		02960054	1	Plug (O-Ring Boss)
9*	-----	1	Seal	17	103140A	1	Cylinder (w/o 13 & 14)
10*	-----	1	Wear Ring	17*	002626	--	Seal Kit, * Includes items 6 thru 11
11*	-----	1	Seal Piston				

Note: This Cylinders Part No. 103140A & 701105A replaces earlier Cyl.as Asy but Cyl parts WILL NOT interchange, Tilt Cyl. has 3-1/2" Bore X 8" Stroke = 3-3/4" OD at Barrel. . To ID this Cyl the Gland (Cyl Head item # 3) Screws direct into Barrel, The older Cyl the Gland was retained by a Snap Ring. This Cyl has O-Ring Boss Fittings (item # 8) and the earlier Cyl had NPT thread.

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# CYLINDER LIFT P/N 701104

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Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	<b>701104</b>	--	<b>Tilt Cyl. Asy. W/Pins</b>	13	001007	1	Pin w/Cotter Pin
1	001079	1	Rod		001750	1	Pin Only
2	-----	1	Barrel (Use 103140A)		00755153	1	Cotter Pin Only
3	002604	2	Gland	14	103266	1	Pin, Rod End (N/S)
4	001078	1	Piston		00755153	2	Cotter Pin
5	001077	1	Nut	15	700992	1	Rod End Clamp w/ Set Screw
6*	-----	1	Seal, Back-Up	16	700907	1	Rod End w/ Grease Fitting
7*	-----	1	Seal, O-Ring	17	02045200	1-ref	Elbow
8*	-----	2	Seal, O-Ring		00751003	1	Plug (Pipe Thread)
9*	-----	3	Seal, Back-Up	18	103139	1	Cylinder (w/o 14 & 15)
10*	-----	1	Seal, O-Ring	19*	000872	--	Seal Kit, * Includes items 6 thru 11
11*	-----	1	Snap Ring				
12*	-----	1	Seal, Static				

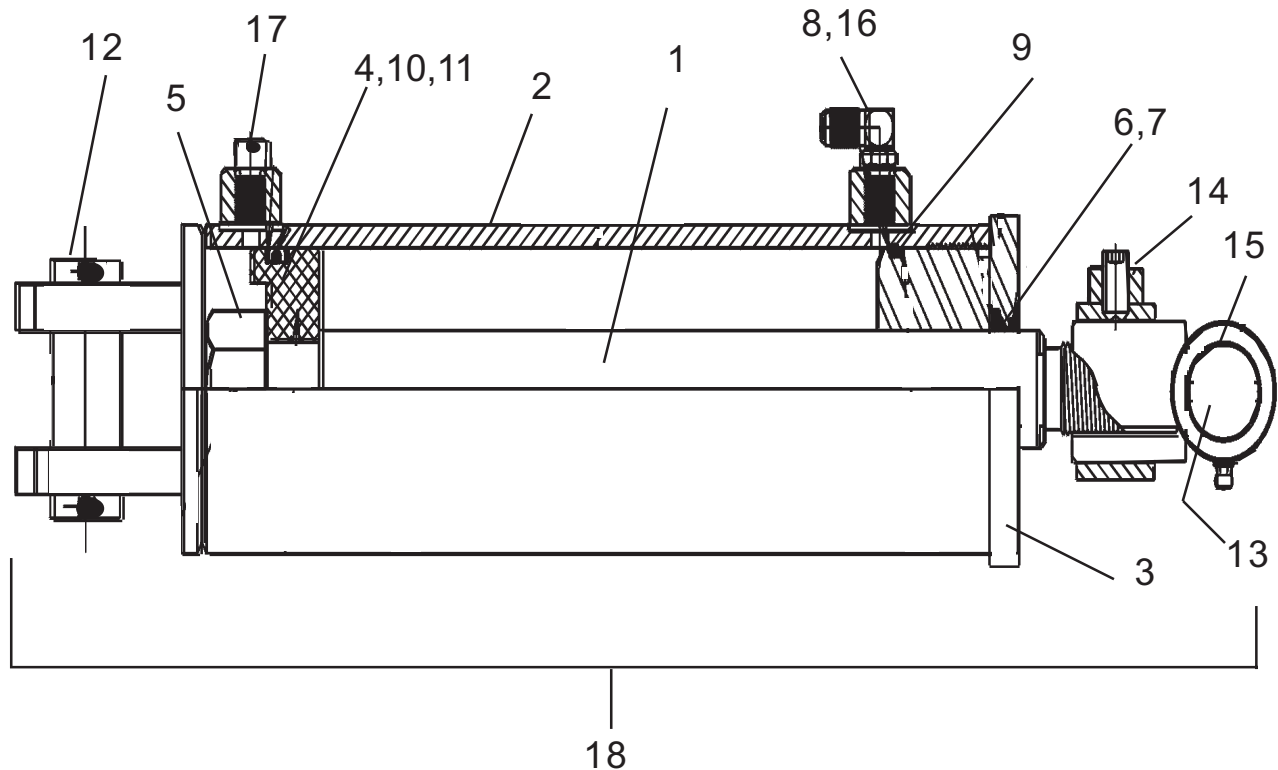
Note: Cylinders Part No. 103139 & 701104 are no longer available as an assembly they are replaced by Cylinder Asy. P/N 701104A. Tilt Cyl. has 3" Bore X 8" Stroke = 3-3/4" OD at Barrel. Cyl. To ID this CYL note item # 3 it is retained by a Snap Ring (item # 11), The later type Cyl the Gland screws direct into the Barrel. The Ports (item # 17) on this Cyl are NPT Thread, The Later Cyl has an O-Ring Boss Fitting

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# CYLINDER LIFT P/N 701104A

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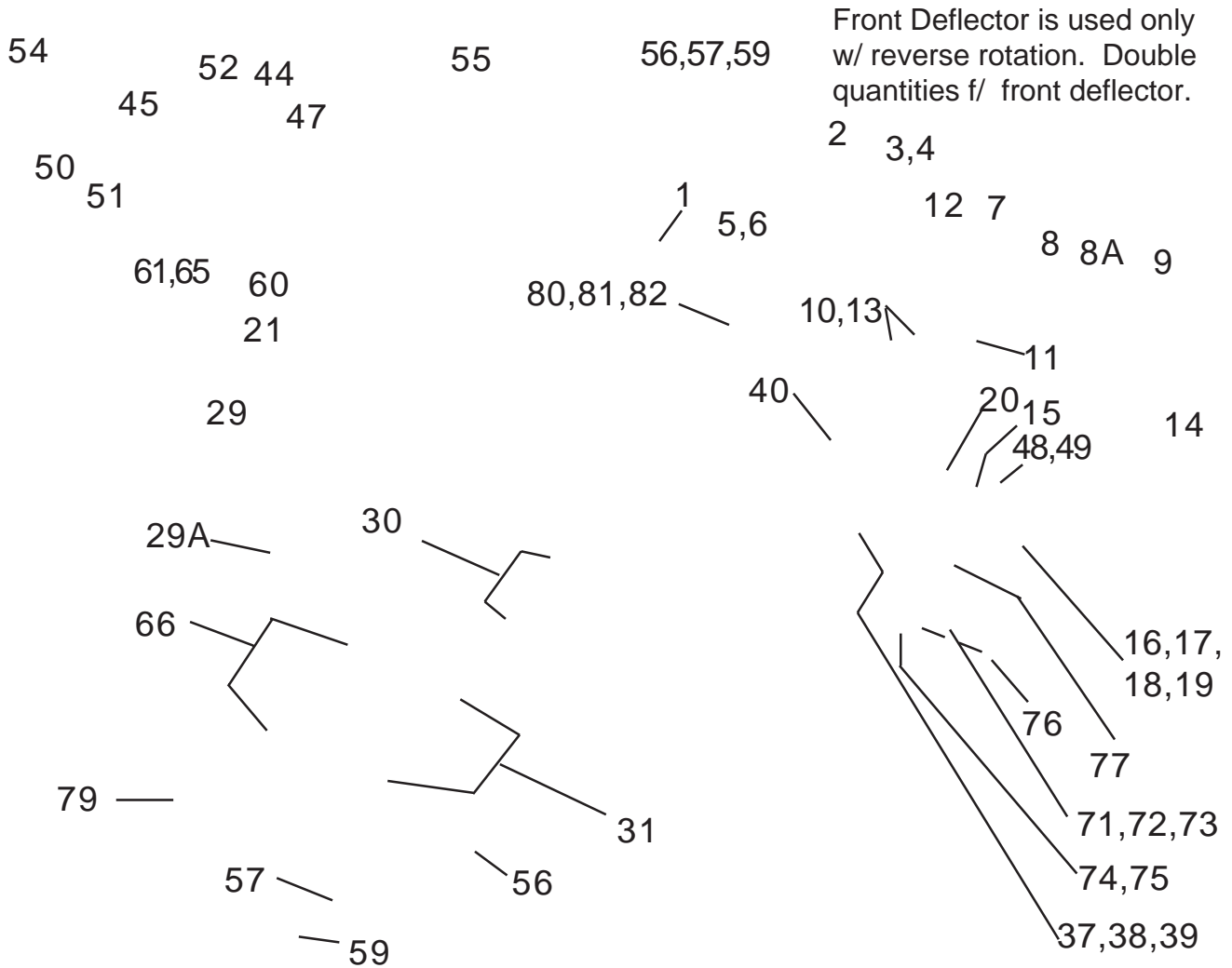
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
	<b>701104A</b>	--	<b>Lift Cyl. Asy. W/Pins</b>	12	001007	2-ref	Pin w/Cotter Pin
1	002615	1	Rod, Cylinder		001750	2-ref	Pin Only
2	002614	1	Barrel		00755153	2-ref	Cotter Pin Only
3	002613	2	Cylinder Head	13	103266	1	Pin, Rod End (N/S)
4	002616	1	Piston		00755153	2	Cotter Pin
5	5JRC16140	1	Nut	14	700992	1	Rod End Clamp & Set Screw
6*	-----	1	Rod Seal	15	700907	1	Rod End & Grease Fitting
7*	-----	1	Rod Wiper	16	02960018	1-ref	Elbow
8*	-----	1	O-Ring	17	02960054	1-ref	Plug (O-Ring Boss)
9*	-----	1	Seal	18	103139A	1	Cylinder (w/o 13 & 14)
10*	-----	1	Wear Ring	19*	002617	--	Seal Kit, *Includes
11*	-----	1	Seal Piston				Item 6 thru 11

Note: This Cylinder Part No. 103139A & 701104AA replaces earlier Cyl.as Asy but Cyl parts WILL NOT interchange, Tilt Cyl. has 3" Bore X 8" Stroke = 3-3/4" OD at Barrel. . To ID this Cyl the Gland (Cyl Head item # 3) Screws direct into Barrel, The older Cyl the Gland was retained by a Snap Ring. This Cyl has O-Ring Boss Fittings (item # 8) and the earlier Cyl had NPT thread.

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Jul. 1991

# WING MOWER L & R 50 "

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Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	108192	1	Deck Weldment, R-Wing	8A	0320054	1	Step Key
	108200	1	Deck Weldment, L-Wing	9	000702	1	Belts, Matched Pair
2	-----	1-ref	Hyd. Motor Assy	10	106529	1	Idler Arm, R-Wing (Fwd Rot)
3	106458	1	Motor Mounting Bracket		106527	1	Idler Arm, R-Wing (Rev Rot)
	00023100	2	Bolt (Not Shown)		106526	1	Idler Arm, L-Wing (Rev Rot)
4	00748823	2	Bolt		106528	1	Idler Arm, L-Wing (Fwd Rot)
5	00001800	2	Locknut TLM 1/2 NC PLC	11	103105	2	Idler Pulley
6	00019600	2	Lockwasher		000001	1	Bolt (Not Shown)
7	000673	1	Pulley		00011700	1	Lockwasher (Not Shown)
8	001761	1	Hub		00023500	1	Washer (Not Shown)
	10121000	3	Bolt/Hub (Not Shown)	12	101778	1	Spacer
	00011700	3	Lockwasher (Not Shown)	13	000539	1	Spring



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# MOWER ASY. L & R WING 50 "

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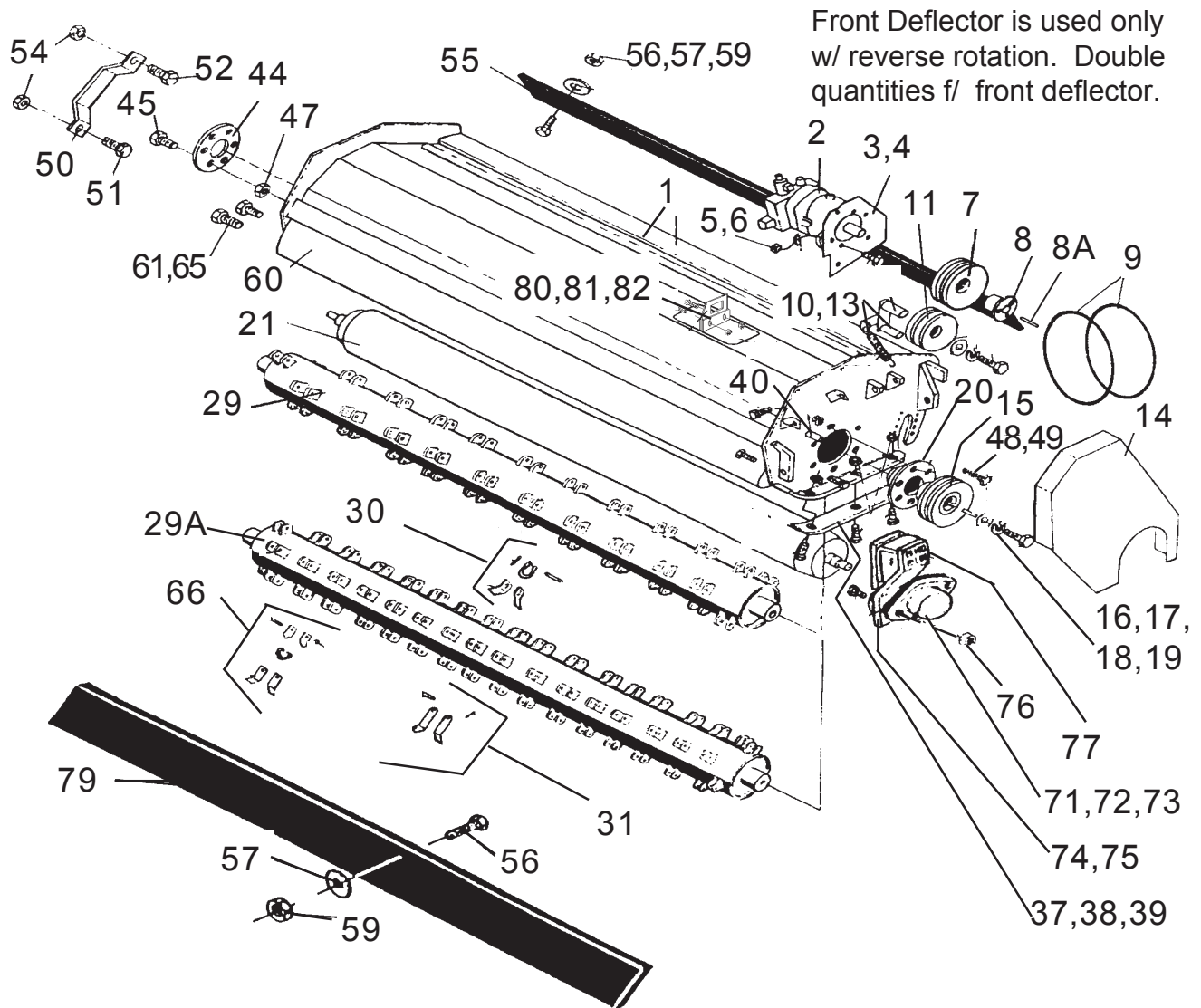
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
13	702747	1	Idler Asy, R-Wing (Fwd Rot)	44*	—	1	Cuttershaft Brg & Hsg Asy
	702748	1	Idler Asy, L-Wing (Fwd Rot)	*	—	1	Bearing w/Set Screws (Not Shown)
	703085	1	Idler Asy, R-Wing (Rev Rot)	45	00753642	6	Bolt
	703086	1	Idler Asy, L-Wing (Rev Rot)	47	00752036	6	Nut
	000206	1	Lubricap	48	000406	6	Bolt
14	107390	1	Belt Guard, R-Wing (Fwd Rot)	49	000841	6	Lockwasher
	107394	1	Belt Guard, R-Wing (Rev Rot)	50	103064	1	Fender
	107386	1	Belt Guard, L-Wing (Fwd Rot)	51	00748823	1	Bolt
	106614	1	Belt Guard, L-Wing (Rev Rot)	52	02030700	1	Bolt
	02035400	2	Bolt (Not Shown)	54	00001800	2	Locknut TLM 1/2NCPLC
	00011100	2	Lockwasher (Not Shown)	55	002513	1	Rear Trash Deflector
	03101646	2	Flatwasher (Not Shown)	56	02153100	18	Bolt
	702754	1	Guard Support (Not Shown)	57	00024100	18	Flatwasher
	00753642	1	Bolt (Not Shown)	59	02959924	18	Nut
	00752036	1	Nut (Not Shown)	60	108193	1	Foot Guard
15	103065	1	Cuttershaft Pulley	61	02030700	2	Bolt
16	100768	1	Key		00748823	2	Bolt (Not Shown)
17	103767	1	Washer	65	101993	136	Knife (FC Ring Mounted)
18	000521	1	Lockwasher		00001800	4	Locknut TLM 1/2NCPLC
19	000407	1	Bolt	66	101993	136	Knife (FC Ring Mounted)
20*	-----	1-ref	Cuttershaft Brg & Hsg Asy.		000032	68	Bolt (FC Ring Knife)
*	-----	1-ref	Bearing (Not Shown)		102650	136	Ring Clip (FC Ring Knife)
21*	-----	1-ref	Roller, (See Roller Section)		000210	68	Nut (FC Ring Knife)
29*	-----	1-ref	Cuttershaft, CC		101991	68	Ring
29A*	-----	1-ref	Cuttershaft, FC	71	—	2-ref	Roller Brg, (See Roller Section)
30	100759	56	Knife, CC	77	—	1-ref	Roller, (See Roller Section)
	108381	56	Knife, CC Extreme Service	79	002514	1	Front Trash Deflector
	100761	28	Ring, (CC Knife)	80	108185	1	Locking Plate
	102670	28	Pin, (CC Knife)	81	00720512	2	Bolt
	02668700	28	Cotter Pin, (CC Knife)	82	00725916	2	Lock Nut
31	102086	136	Knife, FC				
	02668700	68	Cotter Pin, (FC Knife)				
	101034	68	Pin, (FC Knife)				
37	103051	2	Shoe Wear Plate				
38	02886900	2	Carriage Bolt				
39	000700	4	Plow Bolt				
	00011700	6	Nut (Not Shown)				
40	702749	1	Idler Pivot Pin w/Grease Fitting				
	000853	1	Grease Fitting (Not Shown)				
	000206	1	Lubricap (Not Shown)				

\* These Parts have a Parts breakdown page later in Book, Please See This section for these Parts

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# WING MOWER L & R 62 "

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Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	107154	1	Deck Weldment, R-Wing	8A	0320054	1	Step Key
	107155	1	Deck Weldment, L-Wing	9	000702	1	Belts, Matched Pair
2	-----	1-ref	Hyd. Motor Assy	10	106529	1	Idler Arm, R-Wing (Fwd Rot)
	03200521	1	Key, F/ Motor	106527	1	Idler Arm, R-Wing (Rev Rot)	
3	106458	1	Motor Mounting Bracket	106526	1	Idler Arm, L-Wing (Rev Rot)	
	00023100	2	Bolt (Not Shown)	106528	1	Idler Arm, L-Wing (Fwd Rot)	
4	00748823	2	Bolt	11	103105	2	Idler Pulley
5	00001800	2	Locknut TLM 1/2 NC PLC	101778	1	Spacer	
6	00019600	2	Lockwasher	13	000539	1	Spring
7	000673	1	Pulley	000001	1	Bolt (Not Shown)	
8	001761	1	Hub	00011700	1	Lockwasher (Not Shown)	
	10121000	3	Bolt/Hub (Not Shown)	00023500	1	Washer (Not Shown)	
	00011700	3	Lockwasher (Not Shown)				

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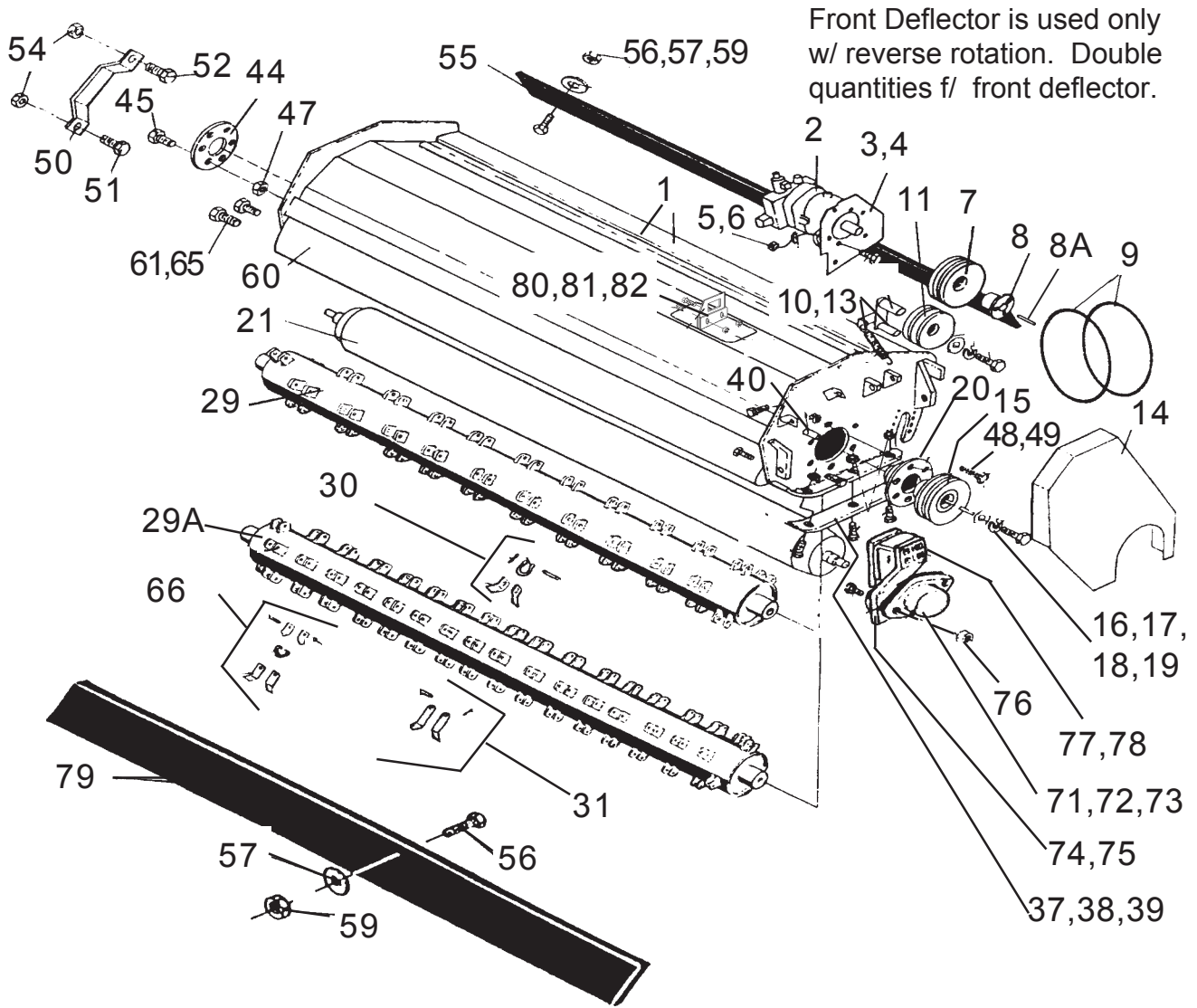
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
13	702747	1	Idler Asy, R-Wing (Fwd Rot)	44*	———	1	Cuttershaft Brg & Hsg Asy
	702748	1	Idler Asy, L-Wing (Fwd Rot)	*	———	1	Bearing w/Set Screws (Not Shown)
	703085	1	Idler Asy, R-Wing (Rev Rot)	45	00753642	6	Bolt
	703086	1	Idler Asy, L-Wing (Rev Rot)	47	00752036	6	Nut
	000206	1	Lubricap	48	000406	6	Bolt
14	107390	1	Belt Guard, R-Wing (Fwd Rot)	49	000841	6	Lockwasher
	107394	1	Belt Guard, R-Wing (Rev Rot)	50	103064	1	Fender
	107386	1	Belt Guard, L-Wing (Fwd Rot)	51	00748823	1	Bolt
	106614	1	Belt Guard, L-Wing (Rev Rot)	52	02030700	1	Bolt
	02035400	2	Bolt (Not Shown)	54	00001800	2	Locknut TLM 1/2 NC PLC
	00011100	2	Lockwasher (Not Shown)	55	104682	1	Rear Trash Deflector Flap
	03101646	2	Flatwasher (Not Shown)		108742	1	Rear Trash Deflector Strap
	702754	1	Guard Support (Not Shown)	56	02153100	18	Bolt
	00753642	1	Bolt (Not Shown)	57	00024100	18	Flatwasher
	00752036	1	Nut (Not Shown)	59	02959924	18	Nut
15	103065	1	Cuttershaft Pulley	60	107255	1	Foot Guard
16	100768	1	Key	61	02030700	2	Bolt
17	103767	1	Washer		00748823	2	Bolt (Not Shown)
18	000521	1	Lockwasher	65	00001800	4	Locknut TLM 1/2 NC PLC
19	000407	1	Bolt	66	101993	152	Knife (FC Ring Mounted)
20*	—————	1	Cuttershaft Brg & Hsg Asy.		000032	76	Bolt (FC Ring Knife)
*	—————	1	Bearing (Not Shown)		102650	152	Ring Clip (FC Ring Knife)
21*	—————	1	Roller Asy. (See Roller Section)		000210	76	Nut (FC Ring Knife)
29*	—————	1	Cuttershaft, CC		101991	76	Ring
29A*	—————	1	Cuttershaft, FC	71*	———	2-ref	Roller Brg, (See Roller Section)
30	100759	72	Knife, CC	77*	———	1-ref	Roller, (See Roller Section)
	108381	72	Knife, CC Extreme Service	79	106779	1	Front Trash Deflector Flap
	100761	36	Ring, (CC Knife)		108750	1	Front Trash Deflector Strap
	102670	36	Pin, (CC Knife)	80	108185	1	Locking Plate
	02668700	36	Cotter Pin, (CC Knife)	81	00720512	2	Bolt
31	102086	152	Knife, FC	82	00725916	2	Lock Nut
	02668700	76	Cotter Pin, (FC Knife)				
	101034	76	Pin, (FC Knife)				
37	103051	2	Shoe Wear Plate				
38	02886900	2	Carriage Bolt				
39	000700	4	Plow Bolt				
	00011700	6	Nut (Not Shown)				
40	702749	1	Idler Pivot Pin w/Grease Fitting				
	000853	1	Grease Fitting (Not Shown)				
	000206	1	Lubricap (Not Shown)				

\* These Parts have a Parts breakdown page later in Book, Please See This section for these Parts

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# WING MOWER L & R 74 "

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Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	107156	1	Deck Weldment, R-Wing	8A	0320054	1	Step Key
	107157	1	Deck Weldment, L-Wing	9	000702	1	Belts, Matched Pair
2	-----	1-ref	Hyd. Motor Asy	10	106529	1	Idler Arm, R-Wing ( Fwd Rot)
	03200521	1	Key, F/ Motor		106527	1	Idler Arm, R-Wing (Rev Rot)
3	106458	1	Motor Mounting Bracket		106526	1	Idler Arm, L-Wing (Rev Rot)
	00023100	2	Bolt (Not Shown)		106528	1	Idler Arm, L-Wing (Fwd Rot)
4	00748823	2	Bolt	11	103105	2	Idler Pulley
5	00001800	2	Locknut TLM 1/2 NC PLC		101778	1	Idler Pulley Spacer
6	00019600	2	Lockwasher	13	000539	1	Spring
7	000673	1	Pulley		000001	1	Bolt (Not Shown)
8	001761	1	Hub		00011700	1	Lockwasher (Not Shown)
	10121000	3	Bolt/Hub (Not Shown)		00023500	1	Washer (Not Shown)
	00011700	3	Lockwasher (Not Shown)				

INTERSTATER (Archive Book) 10/02

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# WING MOWER L & R 74 "

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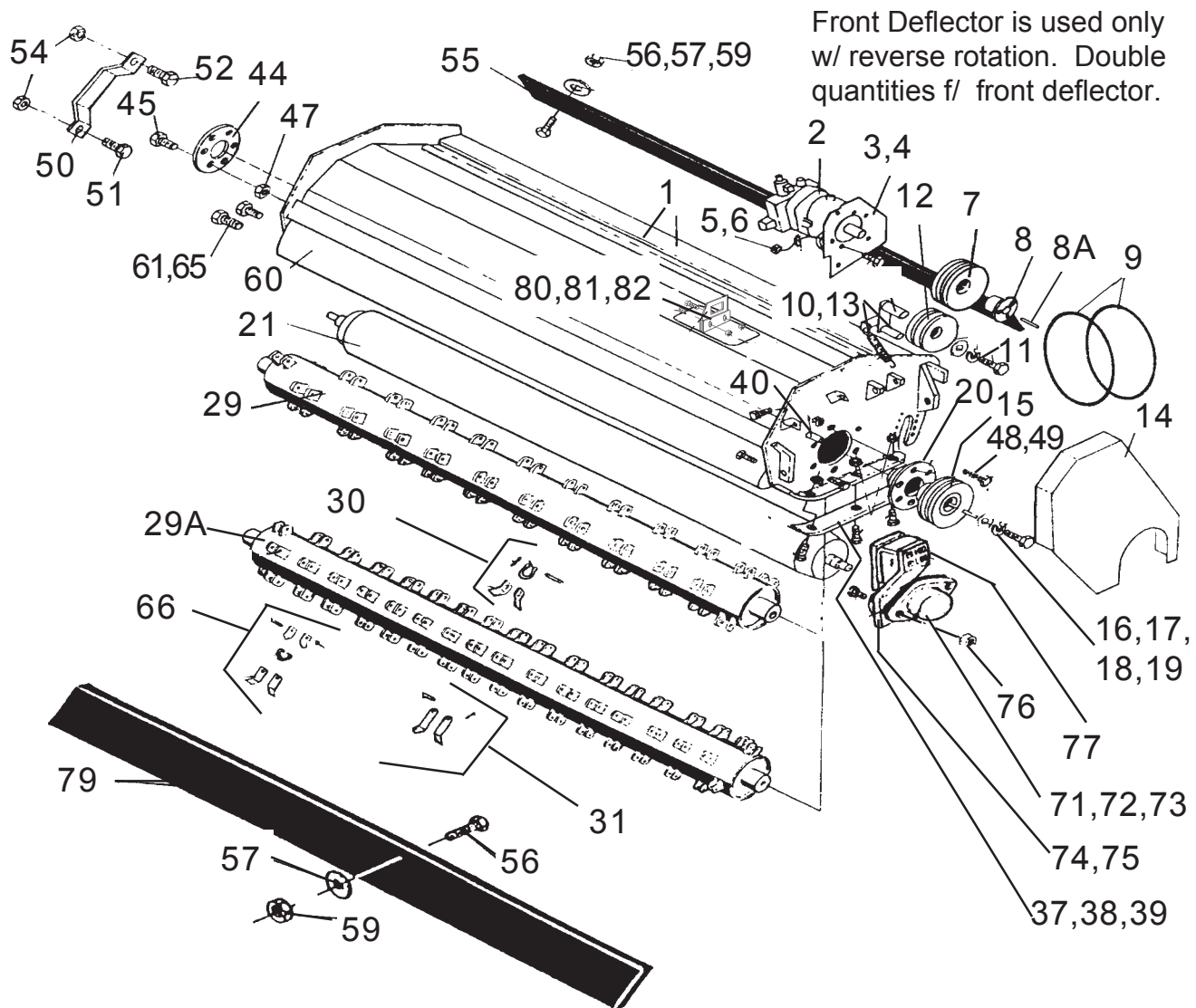
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
13	702747	1	Idler Asy, R-Wing (Fwd Rot)	44*	————	1	Cuttershaft Brg & Hsg Asy
	702748	1	Idler Asy, L-Wing (Fwd Rot)	*	————	1	Bearing w/Set Screws (Not Shown)
	703085	1	Idler Asy, R-Wing (Rev Rot)	45	00753642	6	Bolt
	703086	1	Idler Asy, L-Wing (Rev Rot)	47	00752036	6	Nut
	000206	1	Lubricap (Not Shown)	48	000406	6	Bolt
14	107390	1	Belt Guard, R-Wing (Fwd Rot)	49	000841	6	Lockwasher
	107394	1	Belt Guard, R-Wing (Rev Rot)	50	103064	1	Fender
	107386	1	Belt Guard, L-Wing (Fwd Rot)	51	00748823	1	Bolt
	106614	1	Belt Guard, L-Wing (Rev Rot)	52	02030700	1	Bolt
	02035400	2	Bolt (Not Shown)	54	00001800	2	Locknut TLM 1/2 NC PLC
	00011100	2	Lockwasher (Not Shown)	55	100783	1	Rear Trash Deflector Flap
	03101646	2	Flatwasher (Not Shown)		108743	1	Rear Trash Deflector Strap
	702754	1	Guard Support (Not Shown)	56	02153100	22	Bolt
	00753642	1	Bolt (Not Shown)	57	00024100	22	Flatwasher
	00752036	1	Nut (Not Shown)	59	02959924	22	Nut
15	103065	1	Cuttershaft Pulley	60	107257	1	Foot Guard
16	100768	1	Key	61	02030700	2	Bolt
17	103767	1	Washer		00748823	2	Bolt (Not Shown)
18	000521	1	Lockwasher	65	00001800	4	Locknut TLM 1/2 NC PLC
19	000407	1	Bolt	66	101993	184	Knife (FC Ring Mounted)
20*	————	1	Cuttershaft Brg & Hsg Asy.		000032	92	Bolt (FC Ring Knife)
*	————	1	Bearing		102650	184	Ring Clip (FC Ring Knife)
21*	————	1-ref	Roller Asy. (See Roller Section)		000210	92	Nut (FC Ring Knife)
29*	————	1	Cuttershaft, CC		101991	92	Ring
29A*	————	1	Cuttershaft, FC	71	————	2-ref	Roller Brg (See Roller section)
30	100759	72	Knife, CC	77	————	1-ref	Roller (See Roller Section)
	108381	72	Knife, CC Extreme Service	79	106780	1	Front Trash Deflector Flap
	100761	36	Ring, (CC Knife)		108751	1	Front Trash Deflector Strap
	102670	36	Pin, (CC Knife)	80	108185	1	Locking Plate
	02668700	36	Cotter Pin, (CC Knife)	81	00720512	2	Bolt
31	102086	184	Knife, FC	82	00725916	2	Lock Nut
	02668700	92	Cotter Pin, (FC Knife)				
	101034	92	Pin, (FC Knife)				
37	103051	2	Shoe Wear Plate				
38	02886900	2	Carriage Bolt				
39	000700	4	Plow Bolt				
	00011700	6	Nut (Not Shown)				
40	702749	1	Idler Pivot Pin w/Grease Fitting				
	000853	1	Grease Fitting (Not Shown)				
	000206	1	Lubricap (Not Shown)				

\* These Parts have a Parts breakdown page later in Book, Please See This section for these Parts

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Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	107158	1	Deck Weldment, R-Wing	8A	0320054	1	Step Key
	107159	1	Deck Weldment, L-Wing	9	000702	1	Belts, Matched Pair
2	-----	1-ref	Hyd. Motor Assy	10	106529	1	Idler Arm, R-Wing (Fwd Rot)
	03200521	1	Key, F/ Motor		106527	1	Idler Arm, R-Wing (Rev Rot)
3	106458	1	Motor Mounting Bracket		106526	1	Idler Arm, L-Wing (Rev Rot)
	00023100	2	Bolt (Not Shown)		106528	1	Idler Arm, L-Wing (Fwd Rot)
4	00748823	2	Bolt	11	103105	2	Idler Pulley
5	00001800	2	Locknut TLM 1/2 NC PLC		101778	1	Spacer
6	00019600	2	Lockwasher	13	000539	1	Spring
7	000673	1	Pulley		000001	1	Bolt (Not Shown)
8	001761	1	Hub		00011700	1	Lockwasher (Not Shown)
	10121000	3	Bolt/Hub (Not Shown)		00023500	1	Washer (Not Shown)
	00011700	3	Lockwasher (Not Shown)				

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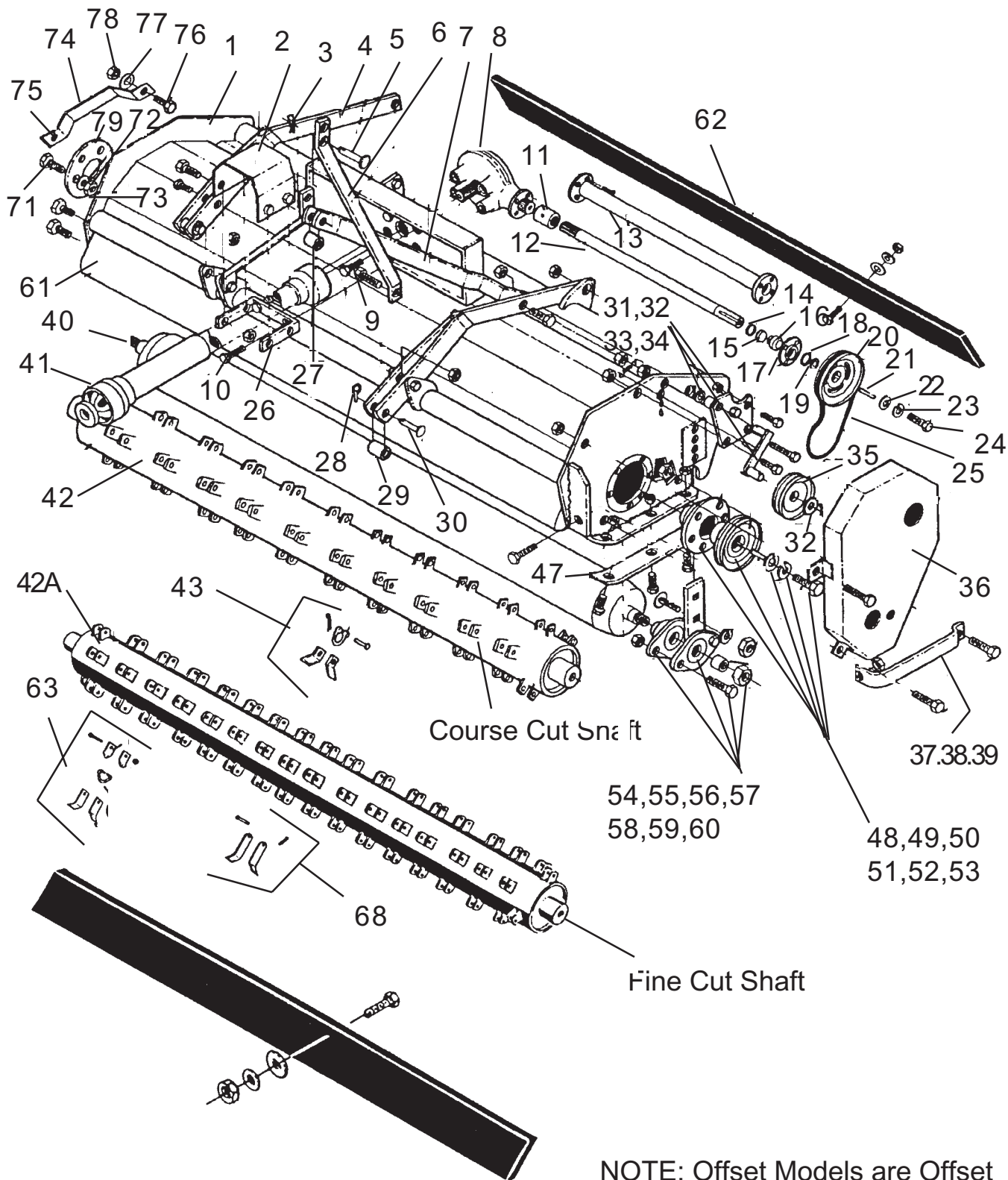
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
13	702747	1	Idler Asy, R-Wing (Fwd Rot)	44*	——	1	Cuttershaft Brg & Hsg Asy
	702748	1	Idler Asy, L-Wing (Fwd Rot)	*	——	1	Bearing w/Set Screws (Not Shown)
	703085	1	Idler Asy, R-Wing (Rev Rot)	45	00753642	6	Bolt
	703086	1	Idler Asy, L-Wing (Rev Rot)	47	00752036	6	Nut
	000206	1	Lubricap (Not Shown)	48	000406	6	Bolt
14	107390	1	Belt Guard, R-Wing (Fwd Rot)	49	000841	6	Lockwasher
	107394	1	Belt Guard, R-Wing (Rev Rot)	50	103064	1	Fender
	107386	1	Belt Guard, L-Wing (Fwd Rot)	51	00748823	1	Bolt
	106614	1	Belt Guard, L-Wing (Rev Rot)	52	02030700	1	Bolt
	02035400	2	Bolt (Not Shown)	54	00001800	2	Locknut TLM 1/2 NC PLC
	00011100	2	Lockwasher (Not Shown)	55	100775	1	Rear Trash Deflector Flap
	03101646	2	Flatwasher (Not Shown)		108744	1	Rear Trash Deflector Strap
	702754	1	Guard Support (Not Shown)	56	02153100	24	Bolt
	00753642	1	Bolt (Not Shown)	57	00024100	24	Flatwasher
	00752036	1	Nut (Not Shown)	59	02959924	24	Nut
15	103065	1	Cuttershaft Pulley	60	107259	1	Foot Guard
16	100768	1	Key	61	02030700	2	Bolt
17	103767	1	Washer		00748823	2	Bolt (Not Shown)
18	000521	1	Lockwasher	65	00001800	4	Locknut TLM 1/2 NC PLC
19	000407	1	Bolt	66	101993	216	Knife (FC Ring Mounted)
20*	——	1	Cuttershaft Brg & Hsg Asy.		000032	108	Bolt (FC Ring Knife)
*	——	1	Bearing		102650	216	Ring Clip (FC Ring Knife)
21*	——	1	Roller Asy. (See Roller section)		000210	108	Nut (FC Ring Knife)
29*	——	1	Cuttershaft, CC		101991	108	Ring
29A*	——	1	Cuttershaft, FC	71*	——	2-ref	Roller Brg (See Roller Section)
30	100759	88	Knife, CC	77*	——	1-ref	Roller (See Roller Section)
	108381	88	Knife, CC Extreme Service	79	106781	1	Front Trash Deflector Flap
	100761	44	Ring, (CC Knife)		108752	1	Front Trash Deflector Strap
	102670	44	Pin, (CC Knife)	80	108185	1	Locking Plate
	02668700	44	Cotter Pin, (CC Knife)	81	00720512	2	Bolt
31	102086	216	Knife, FC	82	00725916	2	Lock Nut
	02668700	108	Cotter Pin, (FC Knife)				
	101034	108	Pin, (FC Knife)				
37	103051	2	Shoe Wear Plate				
38	02886900	2	Carriage Bolt				
39	000700	4	Plow Bolt				
	00011700	6	Nut (Not Shown)				
40	702749	1	Idler Pivot Pin w/Grease Fitting				
	000853	1	Grease Fitting (Not Shown)				
	000206	1	Lubricap (Not Shown)				

\* These Parts have a Parts breakdown page later in Book, Please See This section for these Parts

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# MOWER ASY Rear 88"

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NOTE: Offset Models are Offset  
to the Right and are Forward  
Rotation



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# MOWER ASY

## Rear 88"

Item # 1 thru 13

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Item	Part No.	Center		Offset					Description	
		Fwd	Rev	3.5"	6.5"	8.5"	14.5"	20.5"		
1	103130	1	-	-	-	-	-	-	Cutter Hsg, Std (w/o Caster Brkts)	
	105304	1	-	-	-	-	-	-	Cutter Hsg, (w/ Caster Brkts)	
	102668	1	-	-	-	-	-	-	Cutter Hsg, (w/ Caster Brkts) Renv	
	105019	-	1	-	-	-	-	-	Cutter Hsg. (w/o Caster Brkts) w/ Front Deflector)	
	105318	-	1	-	-	-	-	-	Cutter Hsg. (w/ Caster Brkts) w/ Front Deflector)	
	105422	-	1	-	-	-	-	-	Cutter Hsg. (w/o Caster Brkts & Deflector) Renv	
	103993	-	-	1	-	-	-	-	Cutter Hsg. (w/o Caster Brkts)	
	104841	-	-	-	1	-	-	-	Cutter Hsg. (w/o Caster Brkts)	
	103994	-	-	-	-	1	-	-	Cutter Hsg, (w/o Caster Brkts)	
	103995	-	-	-	-	-	1	-	Cutter Hsg, (w/o Caster Brkts)	
	103131	-	-	-	-	-	-	1	Cutter Hsg, (w/o Caster Brkts)	
	105317	-	-	-	-	-	-	1	Cutter Hsg, CC (w/ Caster Brkts)	
	102669	-	-	-	-	-	-	1	Cutter Hsg, FC (w/ Caster Brkts)	
	2	105596	1	1	1	1	1	1	1	PTO Shield
		000132	4	4	4	4	4	4	4	Bolt (Not shown)
000019		4	4	4	4	4	4	4	Lockwasher (Not shown)	
3	-----	1	1	1	1	1	1	1	Quick Cotter (See A-Frame Section)	
4	-----	2	2	2	2	2	2	2	Overarm, (See A-Frame / G/B Mount Section)	
5	-----	1	1	1	1	1	1	1	Top Link Hitch Pin (See A-Frame Section)	
6	-----	2	2	2	2	2	2	2	A-Frame (See A-Frame Section)	
7	-----	1	1	1	1	1	1	1	Gearbox Mount Frame (See A-Frame Section)	
8	-----	1	1	1	1	1	1	1	Gearbox Asy. (See Gearbox Asy. Section)	
	700489	1	1	-	-	-	-	-	Gearbox & Extension Shaft Asy.	
	701454	-	-	1	-	-	-	-	Gearbox & Extension Shaft Asy.	
	700523	-	-	-	1	-	-	-	Gearbox & Extension Shaft Asy.	
	701457	-	-	-	-	1	-	-	Gearbox & Extension Shaft Asy.	
	701455	-	-	-	-	-	1	-	Gearbox & Extension Shaft Asy.	
	701554	-	-	-	-	-	-	1	Gearbox & Extension Shaft Asy.	
9	000510	2	2	2	2	2	2	2	Bolt (upper)	
10	000511	2	2	2	2	2	2	2	Bolt (lower)	
	000521	4	4	4	4	4	4	4	Lockwasher (Not shown)	
	000552	6	6	6	6	6	6	6	Gearbox Shim (as needed) (Not shown)	
11	700171	1	1	1	1	1	1	1	Spline Coupler Assembly (w/zerk fitting)	
	001727	4	4	4	4	4	4	4	Counterbore Screw (Not shown)	
	03101646	4	4	4	4	4	4	4	Lockwasher (Not shown)	
12	100724	1	1	-	-	-	-	-	Extension Shaft	
	100159	-	-	1	-	-	-	-	Extension Shaft	
	100778	-	-	-	1	-	-	-	Extension Shaft	
	100287	-	-	-	-	1	-	-	Extension Shaft	
	100288	-	-	-	-	-	1	-	Extension Shaft	
	100286	-	-	-	-	-	-	1	Extension Shaft	
	13	100721	1	1	-	-	-	-	-	Extension Shaft Housing
102872		-	-	1	-	-	-	-	Extension Shaft Housing	
100776		-	-	-	1	-	-	-	Extension Shaft Housing	
102804		-	-	-	-	1	-	-	Extension Shaft Housing	
102874		-	-	-	-	-	1	-	Extension Shaft Housing	
102637		-	-	-	-	-	-	1	Extension Shaft Housing	

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# MOWER ASY

## Rear 88"

Item # 13 thru 36

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Item	Part No.	Center		Offset					Description
		Fwd	Rev	3.5"	6.5"	8.5"	14.5"	20.5"	
13	001727	1	1	1	1	1	1	1	Screw (Not shown)
	03101646	1	1	1	1	1	1	1	Lockwasher
14	100010	1	1	1	1	1	1	1	Bevel Ring
15	100057	1	1	1	1	1	1	1	Snap Ring
16	000398	1	1	1	1	1	1	1	Bearing
	700491	1	1	1	1	1	1	1	Bearing and Housing Asy.
	000206	1	1	1	1	1	1	1	Lubricap (Not shown)
	000012	4	4	4	4	4	4	4	Bolt (Not shown)
	000014	4	4	4	4	4	4	4	Nut (Not shown)
	000019	4	4	4	4	4	4	4	Lockwasher (Not Shown)
17	700739	1	1	1	1	1	1	1	Bearing Housing (w/zerk fitting)
18	000402	2	2	2	2	2	2	2	Bearing Retaining Ring
19	102651	3	3	3	3	3	3	3	Pulley Shim (as needed)
20	102501	1	1	1	1	1	1	1	Drive Shaft Pulley
21	101782	1	1	1	1	1	1	1	Key
22	101780	1	1	1	1	1	1	1	Heavy Washer
23	000520	1	1	1	1	1	1	1	Lockwasher
24	000555	1	1	1	1	1	1	1	Bolt
25	100706	1	1	1	1	1	1	1	Drive Belt
26	105597	1	1	1	1	1	1	1	Shield Mounting Bracket
27	103717	1	1	1		1	1	1	Upper Bushing (Convert CAT 1 to CAT 2)
28	000333	2	2	2	2	2	2	2	Click Pin
29	103716	2	2	2	2	2	2	2	Lower Bushing (Convert CAT 1 to CAT 2)
30	100743	2	2	2	2	2	2	2	Lower Hitch Pin
31	000539	1	1	1	1	1	1	1	Spring
32	101778	4	4	4	4	4	4	4	Pulley Arm Bearing Plate Spacer
	000001	1	1	1	1	1	1	1	Bolt (Not shown)
	000018	1	1	1	1	1	1	1	Lockwasher (Not shown)
	000017	1	1	1	1	1	1	1	Washer (Not shown)
	000523	1	1	1	1	1	1	1	Cotter Pin
	700494	1	-	1	1	1	1	1	Idler Asy.
	701851	-	1	-	-	-	-	-	Idler Asy.
33	701905	1	-	1	1	1	1	1	Outboard Bearing Plate (w/zerk fitting)
	701847	-	1	-	-	-	-	-	Outboard Bearing Plate (w/zerk fitting)
	000206	1	1	1	1	1	1	1	Lubricap (N/S)
	000135	1	1	1	1	1	1	1	Bolt(long) (N/S)
	000645	1	1	1	1	1	1	1	Bolt (N/S)
	000019	2	2	2	2	2	2	2	Lockwasher
	000171	3	3	3	3	3	2	2	Nut (N/S)
34	100727	1	-	1	1	1	1	1	Idler Arm
	104938	-	1	-	-	-	-	-	Idler Arm
	00755153	2	2	2	2	2	2	2	Cotter Pin (N/S)
35	000547	1	1	1	1	1	1	1	Idler Pulley
36	701845	-	1	-	-	-	-	-	Belt Guard Package (W/ fasteners)
	000554	-	3	-	-	-	-	-	Bolt (N/S)
36	000520	-	3	-	-	-	-	-	Lockwasher (N/S)
	000063	-	2	-	-	-	-	-	Flatwasher (N/S)
	000513	-	1	-	-	-	-	-	Nut

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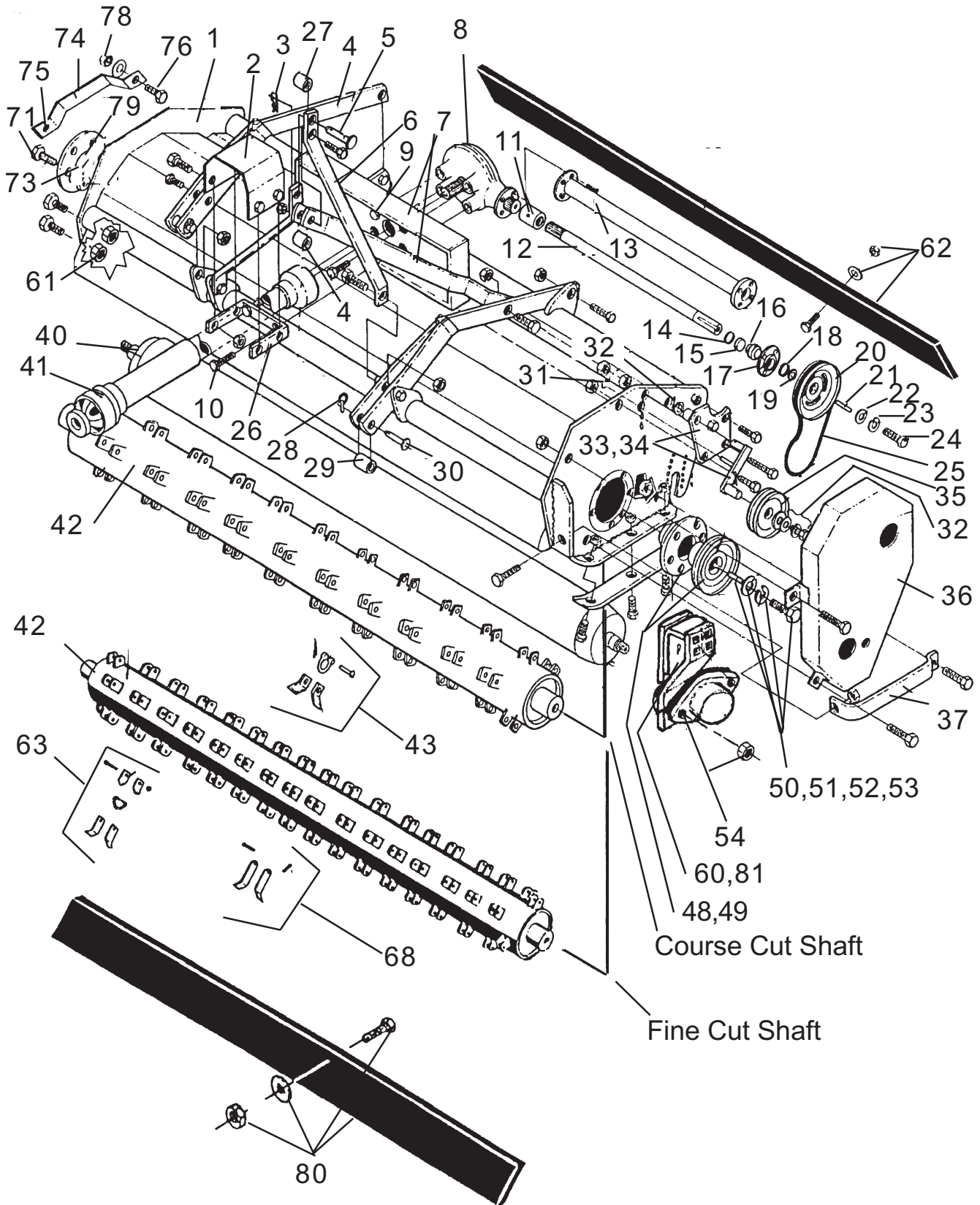
Item	Part No.	Center		Offset				Description	
		Fwd	Rev	3.5"	6.5"	8.5"	14.5"		20.5"
37	103117	1	-	1	1	1	1	1	Belt Guard Fender
	104935	-	1	-	-	-	-	-	Belt Guard fender
	103064	1	1	1	1	1	1	1	Fender, RH Fwd /LH Rev.
	000555	2	2	2	2	2	2	2	Bolt (front) (N/S)
	000554	2	2	2	2	2	2	2	Bolt (rear) (N/S)
	000513	2	2	2	2	2	2	2	Nut (N/S)
40	-----	1	1	1	1	1	1	1	Roller Asy. (See Roller Section)
41	-----	1	1	1	1	1	1	1	PTO ri Dveline Asy, (See D/L Section)
42	-----	1	1	1	1	1	1	1	Cuttershaft, CC or FC (See Cutter Shaft)
43	-----	1	1	1	1	1	1	1	Knife Pkg, CC (See Cutter Shaft)
47	103051	2	2	2	2	2	2	2	Shoe Wear Plate
	000515	2	2	2	2	2	2	2	Carriage Bolt (Not shown)
	000700	4	4	4	4	4	4	4	Plow Bolt (Not Shown)
	000520	6	6	6	6	6	6	6	Lockwasher
	000170	6	6	6	6	6	6	6	Nut (Not shown)
	100704	2	2	2	2	2	2	2	Wear Shoe, Renovating (Not shown)
	02030700	4	4	4	4	4	4	4	Bolt
	00001800	4	4	4	4	4	4	4	Locknut TLM 1/2 NC PLC (Not shown)
	00752036	6	6	6	6	6	6	6	Nut (Not shown)
48	-----	1	1	1	1	1	1	1	Cuttershaft Brg & Hsg (See Cutter Shaft)
49	102652	1	1	1	1	1	1	1	Pulley, Cuttershaft
50	100768	1	1	1	1	1	1	1	Key\
51	100720	1	1	1	1	1	1	1	Clamp Washer
52	000521	1	1	1	1	1	1	1	Lockwasher
53	000407	1	1	1	1	1	1	1	Bolt
54	-----	2	2	2	2	2	2	2	Roller Brg. & Hsg Asy. (See Roller)
60	00001800	4	4	4	4	4	4	4	Locknut TLM 1/2 NC PLC
	000206	2	2	2	2	2	2	2	Lubricap (Not shown)
61	106330	1	1	1	1	1	1	1	Front Foot Guard
	000937	4	4	4	4	4	4	4	Bolt (Not shown)
	000520	4	4	4	4	4	4	4	Lockwasher
	000170	4	4	4	4	4	4	4	Locknut (Not shown)
62	100755	1	1	1	1	1	1	1	Rear Trash Deflector Flap
	108744	1	1	1	1	1	1	1	Rear Trash Deflector Strap
	000860	12	12	12	12	12	12	12	Bolt (Not shown)
	000036	12	12	12	12	12	12	12	Lockwasher ( Not Shown)
	000016	12	12	12	12	12	12	12	Washer (Not shown)
	000173	12	12	12	12	12	12	12	Nut (Not shown)
63	-----	1	1	1	1	1	1	1	Knife Pkg. FC Ring Mnt(See Cutter Shaft)
68	-----	1	1	1	1	1	1	1	Knife Pkg. FC Pin Mnt (See Cutter Shaft)
71	000354	6	6	6	6	6	6	6	Bolt
73	00752036	6	6	6	6	6	6	6	Nut
74	103064	1	1	1	1	1	1	1	Fender
75	00748823	1	1	1	1	1	1	1	Bolt
76	02030700	1	1	1	1	1	1	1	Bolt
78	00001800	2	2	2	2	1	1	1	Locknut TLM 1/2 NC PLC
79	-----	1	1	1	1	1	1	1	Brg &Hsg Asy, (See Cutter Shaft Brg Section)

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# MOWER ASY

## Rear 88"

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Item # 1 thru 16

Item	Part No.	Center		Offset - Right				Description	
		Fwd	Rev	6.5"	8.5"	14.5"	20.5"		
1	107171	1	1	-	-	-	-	Cutter Hsg, Std (w/o Caster Brkts)	
	107201	1	1	-	-	-	-	Cutter Hsg, (w/ Caster Brkts)	
	107220	-	-	1	-	-	-	Cutter Hsg, (w/o Caster Brkts)	
	107221	-	-	1	-	-	-	Cutter Hsg, (w/ Caster Brkts)	
	107203	-	-	-	1	-	-	Cutter Hsg, (w/o Caster Brkts)	
	107202	-	-	-	1	-	-	Cutter Hsg, (w/ Caster Brkts)	
	107204	-	-	-	-	1	-	Cutter Hsg, (w/o Caster Brkts)	
	107205	-	-	-	-	1	-	Cutter Hsg, (w/ Caster Brkts)	
	107206	-	-	-	-	-	1	Cutter Hsg, (w/o Caster Brkts)	
	107207	-	-	-	-	-	1	Cutter Hsg, (w/ Caster Brkts)	
2	107208	1	-	-	-	-	-	Cutter Hsg, (w/ Caster Brkts) Renovating	
	107209	-	-	-	-	-	1	Cutter Hsg, (w/ Caster Brkts) Renovating	
	702705	1	1	1	1	1	1	PTO Shield	
	000132	4	4	4	4	4	4	Bolt (Not shown)	
	000019	4	4	4	4	4	4	Lockwasher (Not shown)	
3	-----	1	1	1	1	1	1	Quick Cotter (See A-Frame Section)	
4	-----	2	2	2	2	2	2	Overarm, (See A-Frame / G/B Mnt Section)	
5	-----	1	1	1	1	1	1	Top Link Hitch Pin (See A-Frame Section)	
6	-----	2	2	2	2	2	2	A-Frame (See A-Frame Section)	
7	-----	1	1	1	1	1	1	Gearbox Mount (See A-Frame Section)	
8	-----	1	1	1	1	1	1	Gearbox Asy. (See G/b Asy. Section)	
	700489	1	1	-	-	-	-	Gearbox & Extension Shaft Asy.	
	700523	-	-	1	-	-	-	Gearbox & Extension Shaft Asy.	
	701457	-	-	-	1	-	-	Gearbox & Extension Shaft Asy.	
	701455	-	-	-	-	1	-	Gearbox & Extension Shaft Asy.	
	701554	-	-	-	-	-	1	Gearbox & Extension Shaft Asy.	
9	000510	2	2	2	2	2	2	Bolt (upper)	
10	000511	2	2	2	2	2	2	Bolt (lower)	
	000521	4	4	4	4	4	4	Lockwasher (Not shown)	
	000552	6	6	6	6	6	6	Gearbox Shim (as needed) (Not shown)	
11	700171	1	1	1	1	1	1	Spline Coupler Assembly (w/zerk fitting)	
	001727	4	4	4	4	4	4	Counterbore Screw (Not shown)	
	000019	4	4	4	4	4	4	Lockwasher (Not shown)	
12	100724	1	1	-	-	-	-	Extension Shaft	
	100778	-	-	1	-	-	-	Extension Shaft	
	100287	-	-	-	1	-	-	Extension Shaft	
	100288	-	-	-	-	1	-	Extension Shaft	
	100286	-	-	-	-	-	1	Extension Shaft	
	13	100721	1	1	-	-	-	-	Extension Shaft Housing
		100776	-	-	1	-	-	-	Extension Shaft
102804		-	-	-	1	-	-	Extension Shaft Housing	
102874		-	-	-	-	1	-	Extension Shaft Housing	
102637		-	-	-	-	-	1	Extension Shaft Housing	
001727		1	1	1	1	1	1	Screw (Not shown)	
000019		1	1	1	1	1	1	Lockwasher	
14	100010	1	1	1	1	1	1	Bevel Ring	
15	100057	1	1	1	1	1	1	Snap Ring	

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Item # 16 thru 37

Item	Part No.	Center		Offset - Right				Description
		Fwd	Rev	6.5"	8.5"	14.5"	20.5"	
16	000398	1	1	1	1	1	1	Bearing
	700491	1	1	1	1	1	1	Bearing and Housing Asy.
	000206	1	1	1	1	1	1	Lubricap (Not shown)
16	000012	4	4	4	4	4	4	Bolt (Not shown)
	000014	4	4	4	4	4	4	Nut (Not shown)
	000019	4	4	4	4	4	4	Lockwasher (Not Shown)
17	700739	1	1	1	1	1	1	Bearing Housing (w/ Grease Fitting)
18	000402	2	2	2	2	2	2	Bearing Retaining Ring
19	102651	3	3	3	3	3	3	Pulley Shim (as needed)
20	102501	1	1	1	1	1	1	Drive Shaft Pulley
21	101782	1	1	1	1	1	1	Key
22	101780	1	1	1	1	1	1	Heavy Washer
23	000520	1	1	1	1	1	1	Lockwasher
24	000555	1	1	1	1	1	1	Bolt
25	100706	1	1	1	1	1	1	Drive Belt
26	105597	1	1	1	1	1	1	Shield Mounting Bracket
27	103717	1	1	1	1	1	1	Upper Bushing (Convert CAT 1 to CAT 2)
28	000333	2	2	2	2	2	2	Click Pin
29	103716	2	2	2	2	2	2	Lower Bushing (Convert CAT 1 to CAT 2)
30	100743	2	2	2	2	2	2	Lower Hitch Pin
31	000539	1	1	1	1	1	1	Spring
32	101778	4	4	4	4	4	4	Pulley Arm Bearing Plate Spacer
	000001	1	1	1	1	1	1	Bolt (Not shown)
	000018	1	1	1	1	1	1	Lockwasher (Not shown)
	000017	1	1	1	1	1	1	Washer (Not shown)
	000523	1	1	1	1	1	1	Cotter Pin
33	701905	1	-	1	1	1	1	Outboard Bearing Plate (w/zerk fitting)
	701847	-	1	-	-	-	-	Outboard Bearing Plate (w/zerk fitting)
	000206	1	1	1	1	1	1	Lubricap (N/S)
	000135	1	1	1	1	1	1	Bolt(long) (N/S)
	000645	1	1	1	1	1	1	Bolt (N/S)
	000019	2	2	2	2	2	2	Lockwasher
	000171	3	3	3	3	3	3	Nut (N/S)
34	100727	1	-	1	1	1	1	Idler Arm
	104938	-	1	-	-	-	-	Idler Arm
	700494	1	-	1	1	1	1	Idler Asy. (w/ Fasteners)
	701851	-	1	-	-	-	-	Idler Asy. (w// Fasteners)
	00755153	2	2	2	2	2	2	Cotter Pin (N/S)
35	000547	1	1	1	1	1	1	Idler Pulley
36	701845	-	1	-	-	-	-	Belt Guard Package (W/ fasteners)
	000139	-	3	-	-	-	-	Bolt (N/S)
	000520	-	3	-	-	-	-	Lockwasher (N/S)
	000063	-	2	-	-	-	-	Flatwasher (N/S)
	000513	-	1	-	-	-	-	Nut
37	103117	1	-	1	1	1	1	Belt Guard Fender
	104935	-	1	-	-	-	-	Belt Guard fender

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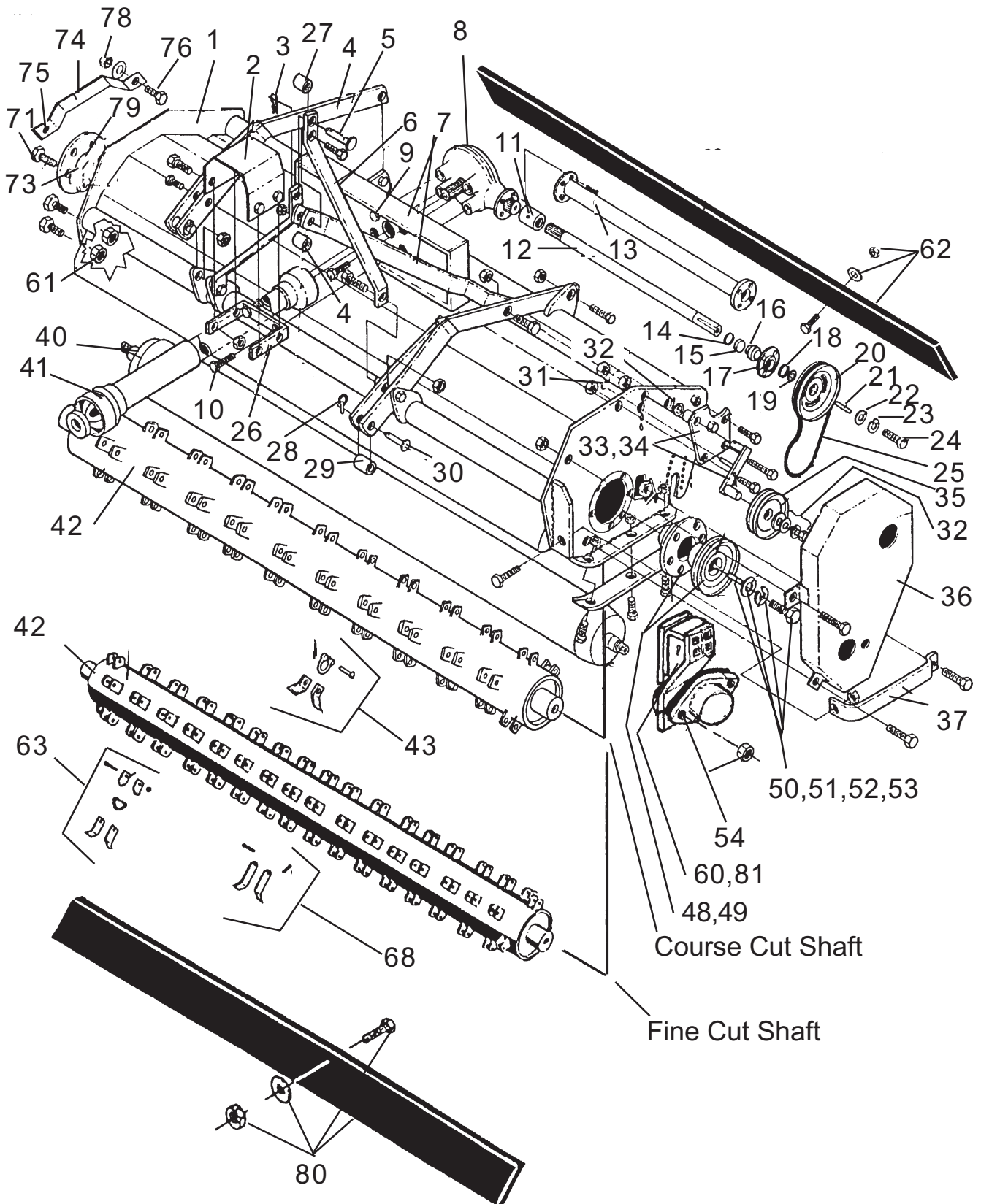
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Item	Part No.	Center		Offset - Right				Description
		Fwd	Rev	6.5"	8.5"	14.5"	20.5"	
37	103064	1	1	1	1	1	1	Fender, RH Fwd /LH Rev.
	000555	2	2	2	2	2	2	Bolt (front) (N/S)
	000554	2	2	2	2	2	2	Bolt (rear) (N/S)
	000513	2	2	2	2	2	2	Nut (N/S)
40	-----	1	1	1	1	1	1-	Roller Asy. (See Roller Section)
41	-----	1	1	1	1	1	1	PTO Driveline Asy, (See D/L Section)
42	-----	1	1	1	1	1	1	Cuttershaft, CC (See Cutter Shaft)
43	-----	1	1	1	1	1	1	Knife Pkg, CC (See Cutter Shaft)
47	103051	2	2	2	2	2	2	Shoe Wear Plate
	000515	2	2	2	2	2	2	Carriage Bolt (Not shown)
	000700	4	4	4	4	4	4	Plow Bolt (Not shown)
	000520	6	6	6	6	6	6	Lockwasher
	000170	6	6	6	6	6	6	Nut (Not shown)
	100704	2	2	2	2	2	2	Wear Shoe, Renovating (Not shown)
	02030700	4	4	4	4	4	4	Bolt
	00001800	4	4	4	4	4	4	Locknut TLM 1/2 NC PLC (Not shown)
	00752036	6	6	6	6	6	6	Nut (Not shown)
48	-----	1	1	1	1	1	1	Cuttershaft Brg & Hsg (See Cutter Shaft)
49	102652	1	1	1	1	1	1	Pulley, Cuttershaft
50	100768	1	1	1	1	1	1	Key
51	100720	1	1	1	1	1	1	Clamp Washer
52	000521	1	1	1	1	1	1	Lockwasher
53	000407	1	1	1	1	1	1	Bolt
54	-----	2	2	2	2	2	2	Roller Brg. & Hsg Asy. (See Roller)
60	00001800	4	4	4	4	4	4	Locknut TLM 1/2 NC PLC
	000206	2	2	2	2	2	2	Lubricap (Not shown)
61	106330	1	1	1	1	1	1	Front Foot Guard
	000937	4	4	4	4	4	4	Bolt (Not shown)
	000520	4	4	4	4	4	4	Lockwasher
	000170	4	4	4	4	4	4	Locknut (Not shown)
62	100755	1	1	1	1	1	1	Rear Trash Deflector Rubber Flap
	108744	1	1	1	1	1	1	Rear Trash Deflector Strap
	000860	12	12	12	12	12	12	Bolt (Not shown)
	000036	12	12	12	12	12	12	Lockwasher ( Not Shown)
	000016	12	12	12	12	12	12	Washer (Not shown)
	000173	12	12	12	12	12	12	Nut (Not shown)
63	-----	1	1	1	1	1	1	Knife Pkg. FC Ring Mnt(See Cutter Shaft)
68	-----	1	1	1	1	1	1	Knife Pkg. FC Pin Mnt (See Cutter Shaft)
71	000354	6	6	6	6	6	6	Bolt
73	00752036	6	6	6	6	6	6	Nut
74	103064	1	1	1	1	1	1	Fender
75	00748823	1	1	1	1	1	1	Bolt
76	02030700	1	1	1	1	1	1	Bolt
78	00001800	2	2	2	2	2	1	Locknut TLM 1/2 NC PLC
79	-----	1	1	1	1	1	1	Brg &Hsg Asy, (See Cutter Shaft Brg Section)
80	106781	1	1	1	1	1	1	Front Trash Deflector Rubber Flap
	108752	1	1	1	1	1	1	Front Trash Deflector Strap

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## Item # 1 thru 11

Item	Part No.	Center		Offset -----								Description	
		Rotation		RT	RT	RT	RT	RT	RT	LT	LT		
		Fwd	Rev	10.5"	12.5"	18.5"	24.5"	30.5"	32.5"	5.0"	16.37"		
1	107768	1	1	-	-	-	-	-	-	-	-	-	Cutter Hsg, (w/o Caster Brkts)
	107890	1	1	-	-	-	-	-	-	-	-	-	Cutter Hsg. (w/ Caster Brkts)
	107946	-	-	1	-	-	-	-	-	-	-	-	Cutter Hsg, (w/o Caster Brkts)
	108225	-	-	-	1	-	-	-	-	-	-	-	Cutter Hsg, (w/o Caster Brkts)
	107972	-	-	-	1	-	-	-	-	-	-	-	Cutter Hsg, (w/ Caster Brkts)
	107797	-	-	-	-	1	-	-	-	-	-	-	Cutter Hsg, (w/o Caster Brkts)
	108392	-	-	-	-	1	-	-	-	-	-	-	Cutter Hsg, (w/ Caster Brkts)
	107892	-	-	-	-	-	1	-	-	-	-	-	Cutter Hsg, (w/o Caster Brkts)
	108327	-	-	-	-	-	1	-	-	-	-	-	Cutter Hsg, (w/ Caster Brkts)
	107777	-	-	-	-	-	-	1	-	-	-	-	Cutter Hsg, (w/o Caster Brkts)
	108276	-	-	-	-	-	-	1	-	-	-	-	Cutter Hsg, (w/ Caster Brkts)
	108373	-	-	-	-	-	-	-	1	-	-	-	Cutter Hsg. (w/o Caster Brkts)
	108736	-	-	-	-	-	-	-	-	1	-	-	Cutter Hsg, (w/ Caster Brkts)
	108179	-	-	-	-	-	-	-	-	-	1	-	Cutter Hsg, (w/o Caster Brkts)
108394	-	-	-	-	-	-	-	-	-	-	1	Cutter Hsg, (w/o Caster Brkts)	
2	702705	1	1	1	1	1	1	1	1	1	1	1	PTO Shield
	000132	4	4	4	4	4	4	4	4	4	4	4	Bolt (Not shown)
	000019	4	4	4	4	4	4	4	4	4	4	4	Lockwasher (Not shown)
3	-----	1	1	1	1	1	1	1	1	1	1	1	Quick Cotter (See A/F Section)
4	-----	2	2	2	2	2	2	2	2	2	2	2	Overarm, (See A/F & G/B Mnt)
5	-----	1	1	1	1	1	1	1	1	1	1	1	Top Link Hitch Pin (See A-Frame)
6	-----	2	2	2	2	2	2	2	2	2	2	2	A-Frame (See A-Frame Section)
7	-----	1	1	1	1	1	1	1	1	1	1	1	Gearbox Mount (See A-Frame)
8	-----	1	1	1	1	1	1	1	1	1	1	1	Gearbox Asy. (See G/B Asy.)
	703946	1	1	-	-	-	-	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	700523	-	-	1	-	-	-	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	701457	-	-	-	1	-	-	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	701455	-	-	-	-	1	-	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	700554	-	-	-	-	-	1	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	703757	-	-	-	-	-	-	1	-	-	-	-	Gearbox & Extension Shaft Asy.
	704367	-	-	-	-	-	-	-	1	-	-	-	Gearbox & Extension Shaft Asy.
	704286	-	-	-	-	-	-	-	-	1	-	-	Gearbox & Extension Shaft Asy.
	703854	-	-	-	-	-	-	-	-	-	-	1	Gearbox & Extension Shaft Asy.
9	000510	2	2	2	2	2	2	2	2	2	2	2	Bolt (upper)
10	000511	2	2	2	2	2	2	2	2	2	2	2	Bolt (lower)
	000521	4	4	4	4	4	4	4	4	4	4	4	Lockwasher (Not shown)
	000552	6	6	6	6	6	6	6	6	6	6	6	Gearbox Shim (as needed) (N/S)
11	700171	1	1	1	1	1	1	1	1	1	1	1	Spline Coupler Assembly (w/Fitting)
	001727	4	4	4	4	4	4	4	4	4	4	4	Counterbore Screw (Not shown)
	000019	4	4	4	4	4	4	4	4	4	4	4	Lockwasher (Not shown)

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Item	Part No.	Center		Offset -----								Description
		Rotation		RT	RT	RT	RT	RT	RT	LT	LT	
		Fwd	Rev	10.5"	12.5"	18.5"	24.5"	30.5"	32.5"	5.0"	16.37"	
12	107748	1	1	-	-	-	-	-	-	-	-	Extension Shaft (40-5/32" Long)
	100778	-	-	1	-	-	-	-	-	-	-	Extension Shaft (29-7/16" Long)
	100287	-	-	-	1	-	-	-	-	-	-	Extension Shaft (27-11/16" Long)
	100288	-	-	-	-	1	-	-	-	-	-	Extension Shaft (21-11/16" Long)
	100286	-	-	-	-	-	1	-	-	-	-	Extension Shaft (15-11/16" Long)
	107540	-	-	-	-	-	-	1	-	-	-	Extension Shaft (9-11/16" Long)
	108374	-	-	-	-	-	-	-	1	-	-	Extension Shaft (7-9/16" Long)
	108173	-	-	-	-	-	-	-	-	1	-	Extension Shaft (45-5/32" Long)
	107563	-	-	-	-	-	-	-	-	-	1	Extension Shaft (56-17/32" Long)
13	107747	1	1	-	-	-	-	-	-	-	-	Extension Shaft Hsg. (40-1/4" Long)
	100776	-	-	1	-	-	-	-	-	-	-	Extension Shaft Hsg. (29-9/16" Long)
	102804	-	-	-	1	-	-	-	-	-	-	Extension Shaft Hsg. (27-5/8" Long)
	102874	-	-	-	-	1	-	-	-	-	-	Extension Shaft Hsg. (21-5/8" Long)
	102637	-	-	-	-	-	1	-	-	-	-	Extension Shaft Hsg. (15-5/8" Long)
	107541	-	-	-	-	-	-	1	-	-	-	Extension Shaft Hsg. (9-5/8" Long)
	108376	-	-	-	-	-	-	-	1	-	-	Extension Shaft Hsg. (7-1/8" Long)
	108175	-	-	-	-	-	-	-	-	1	-	Extension Shaft Hsg. (45-1/4" Long)
	107564	-	-	-	-	-	-	-	-	-	1	Extension Shaft Hsg. (56-5/8" Long)
	001727	1	1	1	1	1	1	1	1	1	1	Screw (Not shown)
	000019	1	1	1	1	1	1	1	1	1	1	Lockwasher (Not Shown)
14	100010	1	1	1	1	1	1	1	1	1	1	Bevel Ring
15	100057	1	1	1	1	1	1	1	1	1	1	Snap Ring
16	000398	1	1	1	1	1	1	1	1	1	1	Bearing
	700491	1	1	1	1	1	1	1	1	1	1	Bearing and Housing Asy.
	000206	1	1	1	1	1	1	1	1	1	1	Lubricap (Not shown)
	000937	4	4	4	4	4	4	4	4	4	4	Bolt (Not shown)
	00752036	4	4	4	4	4	4	4	4	4	4	Locknut (Not shown)
17	700739	1	1	1	1	1	1	1	1	1	1	Bearing Housing (w/ Grease Fitting)
18	000402	2	2	2	2	2	2	2	2	2	2	Bearing Retaining Ring
19	102651	3	3	3	3	3	3	3	3	3	3	Pulley Shim (as needed)
20	102501	1	1	1	1	1	1	1	1	1	1	Drive Shaft Pulley
21	101782	1	1	1	1	1	1	1	1	1	1	Key
22	101780	1	1	1	1	1	1	1	1	1	1	Heavy Washer
23	000520	1	1	1	1	1	1	1	1	1	1	Lockwasher
24	000555	1	1	1	1	1	1	1	1	1	1	Bolt
25	100706	1	1	1	1	1	1	1	1	1	1	Drive Belt
26	105597	1	1	1	1	1	1	1	1	1	1	Shield Mounting Bracket
27	103717	1	1	1	1	1	1	1	1	1	1	Upper Bushing (X-CAT 1 to CAT 2)
28	000333	2	2	2	2	2	2	2	2	2	2	Click Pin

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## Item # 29 thru 43

Item	Part No.	Center		Offset -----								Description
		Rotation		RT	RT	RT	RT	RT	RT	LT	LT	
		Fwd	Rev	10.5"	12.5"	18.5"	24.5"	30.5"	32.5"	5.0"	16.37"	
29	103716	2	2	2	2	2	2	2	2	2	2	Lower Bushing (X-CAT 1 to CAT 2)
30	100743	2	2	2	2	2	2	2	2	2	2	Lower Hitch Pin
31	000539	1	1	1	1	1	1	1	1	1	1	Spring
32	101778	4	4	4	4	4	4	4	4	4	4	Pulley Arm Bearing Plate Spacer
	000001	1	1	1	1	1	1	1	1	1	1	Bolt (Not shown)
	000018	1	1	1	1	1	1	1	1	1	1	Lockwasher (Not shown)
	000017	1	1	1	1	1	1	1	1	1	1	Washer (Not shown)
33	701905	1	-	1	1	1	1	1	1	1	1	Outboard Bearing Plate (w/ Fitting)
	701847	-	1	-	-	-	-	-	-	-	-	Outboard Bearing Plate (w Fitting)
	000206	1	1	1	1	1	1	1	1	1	1	Lubricap (N/S)
	000135	1	1	1	1	1	1	1	1	1	1	Bolt(long) (N/S)
	000645	1	1	1	1	1	1	1	1	1	1	Bolt (N/S)
	00752036	2	2	2	2	2	2	2	2	2	2	Locknut (N/S)
	000171	3	3	3	3	3	3	3	3	3	3	Nut (N/S)
34	100727	1	-	1	1	1	1	1	1	1	1	Idler Arm
	104938	-	1	-	-	-	-	-	-	-	-	Idler Arm
	700494	1	-	1	1	1	1	1	1	1	1	Idler Asy. (w/ Fasteners)
	701851	-	1	-	-	-	-	-	-	-	-	Idler Asy. (w// Fasteners)
	000523	2	2	2	2	2	2	2	2	2	2	Cotter Pin (N/S)
35	000547	1	1	1	1	1	1	1	1	1	1	Idler Pulley
36	700488	1	-	-	-	-	-	-	-	-	-	Belt Guard Package (w/ fasteners)
	701845	-	1	-	-	-	-	-	-	-	-	Belt Guard Pkg. (w/ Fasteners)
	000139	3	1	3	3	3	3	3	3	3	3	Bolt
	00001800	3	3	3	3	3	3	3	3	3	3	Locknut TLM 1/2 NC PLC
	000508	-	2	-	-	-	-	-	-	-	-	Bolt (N/S)
	000520	-	3	-	-	-	-	-	-	-	-	Lockwasher (N/S)
	000063	-	3	-	-	-	-	-	-	-	-	Flatwasher
37	103117	1	-	1	1	1	1	1	1	1	1	Belt Guard Fender
	104935	-	1	-	-	-	-	-	-	-	-	Belt Guard fender
	103064	1	1	1	1	1	1	1	1	1	1	Fender, RH Fwd /LH Rev.
	000141	2	2	2	2	2	2	2	2	2	2	Bolt (front) (N/S)
	000140	2	2	2	2	2	2	2	2	2	2	Bolt (rear) (N/S)
	00001800	2	2	2	2	2	2	2	2	2	2	Locknut TLM 1/2 NC PLC (N/S)
40	-----	-	1	1	1	1	1	1	1	1	1	1 Roller Asy. (See Roller Section)
41	-----	1	1	1	1	1	1	1	1	1	1	PTO Driveline Asy, (See D/L Section)
42	-----		1	1	1	1	1	1	1	1	1	1 Cuttershaft, CC (See Cutter Shaft)
43	-----	1	1	1	1	1	1	1	1	1	1	Knife Pkg, CC (See Cutter Shaft)

Continued Next Page

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# MOWER ASY 96" Model

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## Item # 47 thru 80

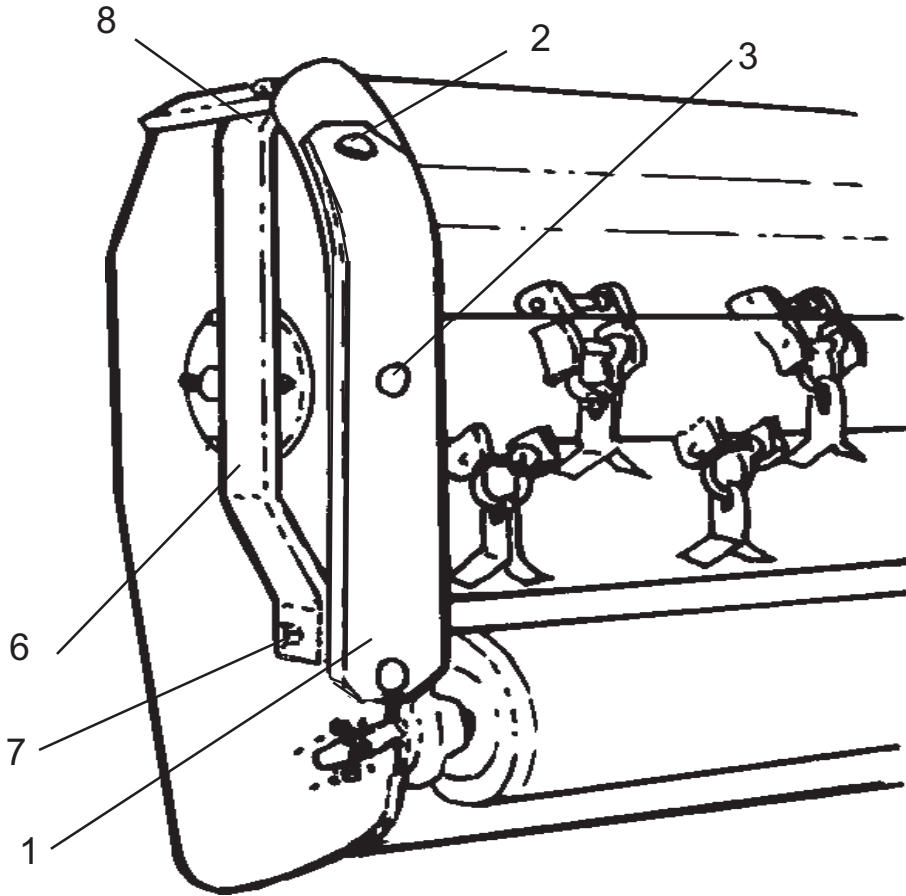
Item	Part No.	Center		Offset -----								Description
		Rotation		RT	RT	RT	RT	RT	RT	LT	LT	
		Fwd	Rev	10.5"	12.5"	18.5"	24.5"	30.5"	32.5"	5.0"	16.37"	
47	103051	2	2	2	2	2	2	2	2	2	2	Shoe Wear Plate
	000515	2	2	2	2	2	2	2	2	2	2	Carriage Bolt (Not shown)
	000700	4	4	4	4	4	4	4	4	4	4	Plow Bolt (Not shown)
	00001800	6	6	6	6	6	6	6	6	6	6	Locknut TLM 1/2 NC PLC
	100704	2	2	2	2	2	2	2	2	2	2	Wear Shoe, Renovating (Not shown)
	02030700	4	4	4	4	4	4	4	4	4	4	Bolt
	00001800	4	4	4	4	4	4	4	4	4	4	Locknut TLM 1/2 NC PLC (Not shown)
	00752036	6	6	6	6	6	6	6	6	6	6	Nut (Not shown)
48	-----		1	1	1	1	1	1	1	1	1	1 Brg & Hsg (See Cutter Shaft)
49	102652	1	1	1	1	1	1	1	1	1	1	Pulley, Cuttershaft
50	100768	1	1	1	1	1	1	1	1	1	1	Key
51	100720	1	1	1	1	1	1	1	1	1	1	Clamp Washer
52	000521	1	1	1	1	1	1	1	1	1	1	Lockwasher
53	000407	1	1	1	1	1	1	1	1	1	1	Bolt
54	-----	2	2	2	2	2	2	2	2	2	2	Roller Brg. & Hsg Asy. (See Roller)
60	00001800	4	4	4	4	4	4	4	4	4	4	Locknut TLM 1/2 NC PLC
	000206	2	2	2	2	2	2	2	2	2	2	Lubricap (Not shown)
61	107754	1	1	1	1	1	1	1	1	1	1	Front Foot Guard
	000937	5	5	5	5	5	5	5	5	5	5	Bolt (Not shown)
	000520	5	5	5	5	5	5	5	5	5	5	Lockwasher
	000170	5	5	5	5	5	5	5	5	5	5	Locknut (Not shown)
62	107753	1	1	1	1	1	1	1	1	1	1	Rear Trash Deflector Rubber Flap
	108753	1	1	1	1	1	1	1	1	1	1	Rear Trash Deflector Strap
	10058000	13	13	13	13	13	13	13	13	13	13	Bolt (Not shown)
	000016	13	13	13	13	13	13	13	13	13	13	Washer (Not shown)
	02959924	13	13	13	13	13	13	13	13	13	13	Locknut (Not shown)
63	-----	1	1	1	1	1	1	1	1	1	1	Knife Pkg. FC (See Cutter Shaft)
68	-----	1	1	1	1	1	1	1	1	1	1	Knf Pkg. FC (See Cutter Shaft)
71	000354	6	6	6	6	6	6	6	6	6	6	Bolt
73	00752036	6	6	6	6	6	6	6	6	6	6	Nut
74	103064	1	1	1	1	1	1	1	1	1	1	Fender
75	000141	1	1	1	1	1	1	1	1	1	1	Bolt
76	000140	1	1	1	1	1	1	1	1	1	1	Bolt
78	00001800	2	2	2	2	2	2	2	2	2	2	Locknut TLM 1/2 NC PLC
79	-----	1	1	1	1	1	1	1	1	1	1	Brg & Hsg Asy (See Cutter Shaft Brg)
80	904098	1	1	1	1	1	1	1	1	1	1	Front Trash Deflector Pkg.
	108017	1	1	1	1	1	1	1	1	1	1	Front Trash Deflector Rubber Flap
	00024100	13	13	13	13	13	13	13	13	13	13	Flatwasher
	02153100	13	13	13	13	13	13	13	13	13	13	Bolt
	02959924	13	13	13	13	13	13	13	13	13	13	Locknut

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# SKID SHOES WEAR PLATES

SEE  
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## 50" - 62" - 74" - 88" - 96" WINGS or REAR

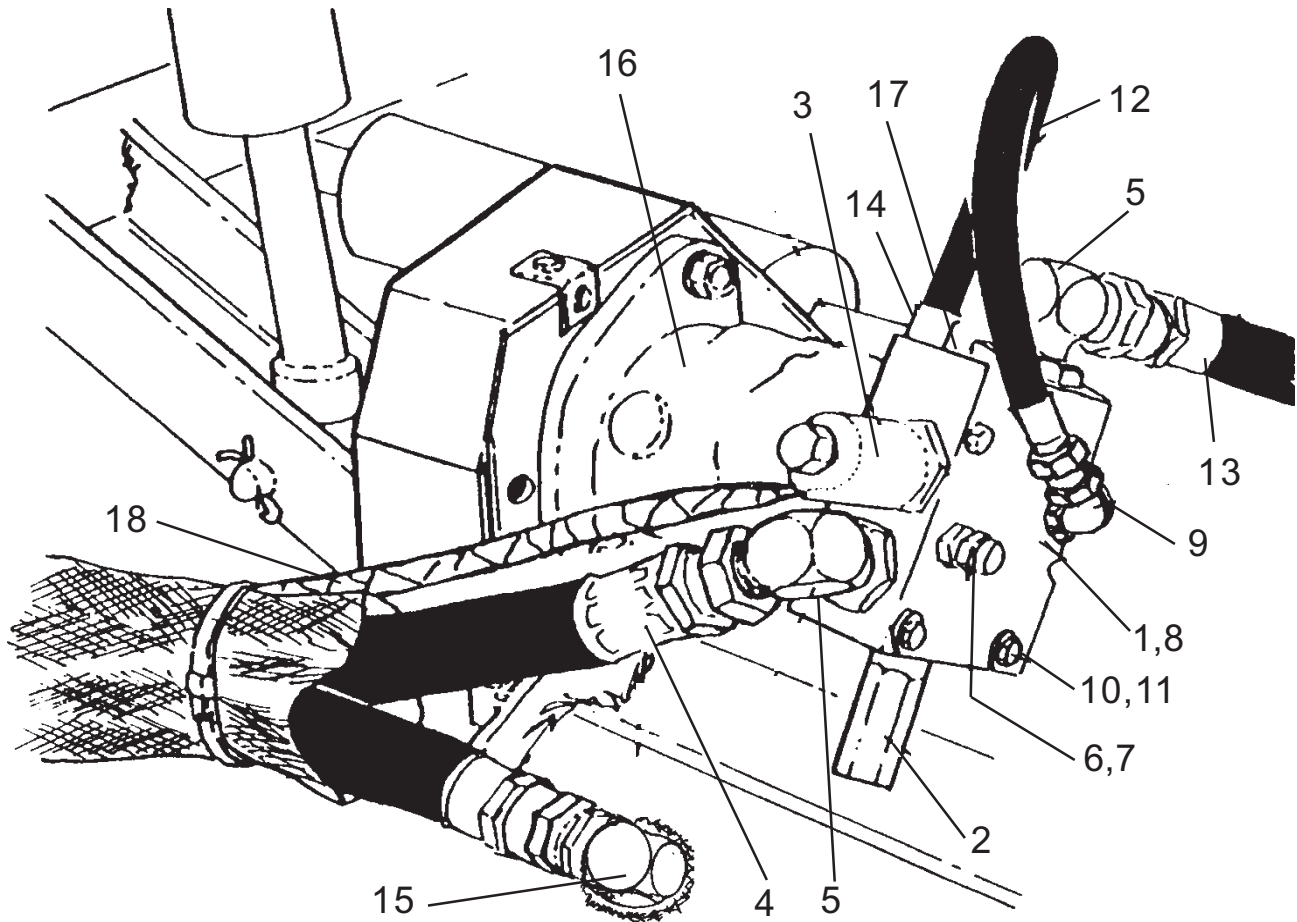


Item	Part No.	Qty	Description
1	103051	2	Shoe, Wear Plate
2	000515	2	Carriage Bolt
3	000700	4	Plow Bolt
4	000520	6	Lockwasher (Use w/ item 2 & 3)
5	000170	6	Nut, (Use w/ Item 2 & 3)
6	103064	1	Fender, Non-Drive End (Shown)
	103117	1-ar	Fender Belt Guard, Drive End Fwd Rot. (Not Shown)
	104935	1-ar	Fender Belt Guard, Drive End Rev Rot, (Not Shown)
	000554	2	Bolt, Use with Drive End
	000508	1	Bolt, Use with Drive End
	000063	2	Flat washer, Use w. Drive end only
7	000555	1	Bolt, Non Drive End
8	000554	1	Bolt, Non Drive End
9	000520	5	Lockwasher, Use w/ Item # 6, 7 & 8
10	000513	2	Nut, Use w/ Item # 6, 7 & 8

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# MOTOR ASY. LEFT WING 62" - 74" - 88"

SEE  
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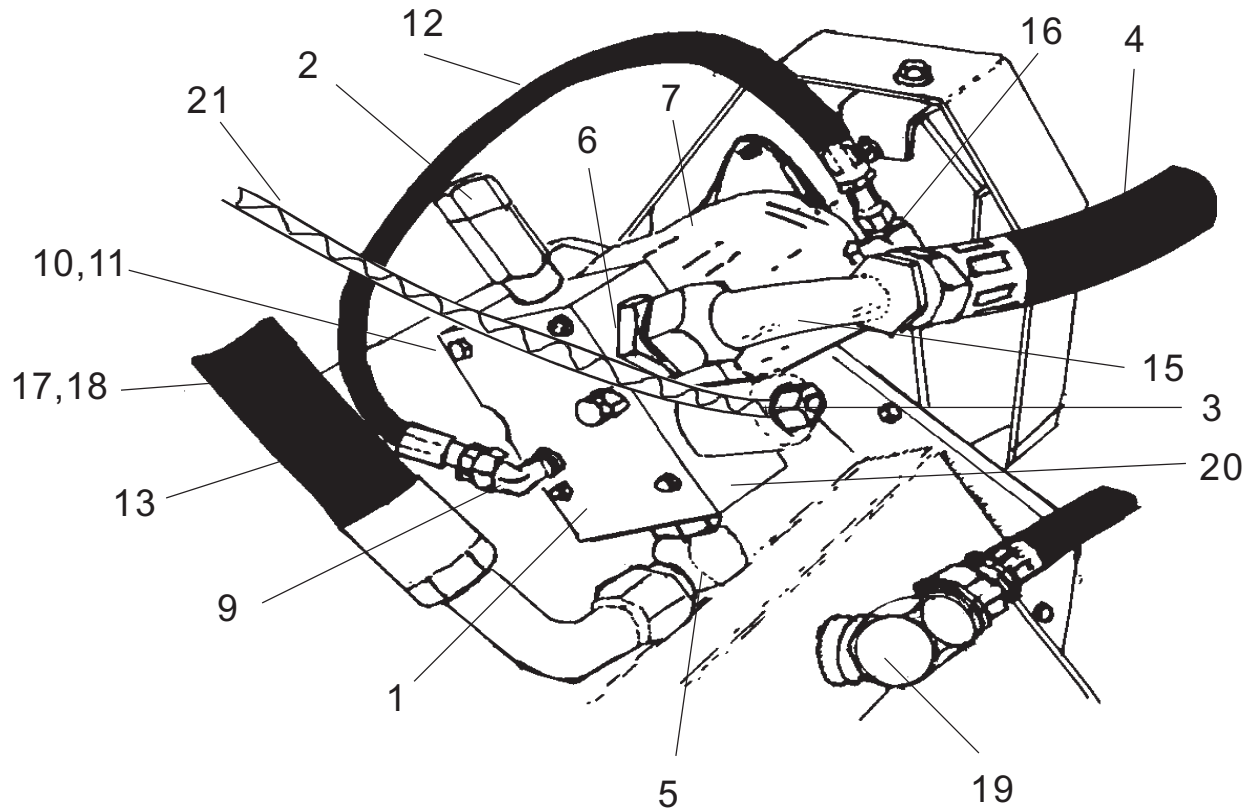


Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	02964792	1	Manifold	9	63149100	1	Elbow
2	001759	1	Relief	10	00011700	4	Lockwasher
3	002502	1	Solenoid Valve, Complete	11	63092200	4	Bolt
	002099	1	Solenoid Valve Cartridge w/Seals	12	001579	1	Hose-Drain
	002098	1	Seal Kit, Solenoid Valve	13	001780	1	Hose Return Crossover
	002503	1	Solenoid Valve Coil	14	001654	1	Elbow Adapter
	002504	1	Solenoid Connector	15	02956851	1	Adapter
4*	-----	1	Hose - Pressure	16	001602	1	Motor
5	02090900	2	Elbow	17	03200587	1	Plug (Not Shown)
6	001574	1	Cap Nut	18	002497	1	Wire Harness Left Wing
7	03200283	1	Straight Adapter	*Refer to Hose Schematic included in Packing Box.			
8	02964793	2	O-Ring (not shown)				

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# MOTOR ASY. RIGHT WING 62" - 74" - 88"

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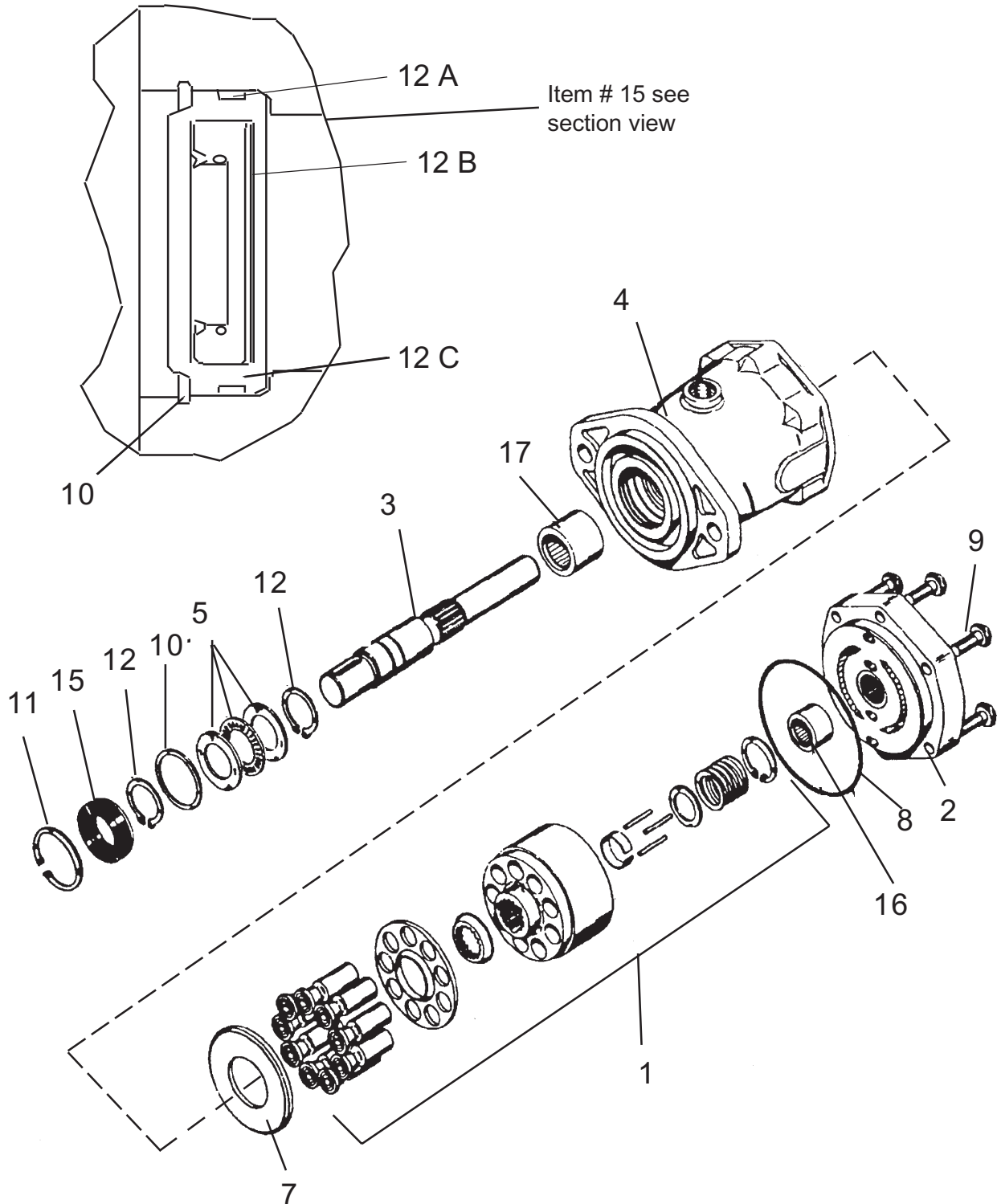
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	02964792	1	Manifold	8	02964793	2	O-Ring (not shown)
2	001759	1	Relief	9	63149100	1	Elbow
3	002502	1	Solenoid Valve, Complete	10	00011700	4	Lockwasher
	002099	1	Solenoid Valve Cartridge w/Seals	11	63092200	4	Bolt
	002098	1	Seal Kit, Solenoid Valve	12	001579	1	Hose-Drain
	002503	1	Solenoid Valve Coil	13	002017	1	Hose Return Crossover
	002504	1	Solenoid Connector	15	02958858	1	Formed Tube
	02970704	1	Solenoid Retaining Nut	16	001654	1	Elbow Adapter
4*	-----	1	Hose - Pressure	17	03200283	1	Adapter
5	02090900	1	Elbow	18	001574	1	Cap
6	02957622	1	Adapter	19	02956851	1	Adapter
7	001602	1	Motor	20	03200587	1	Plug (Not Shown)
				21	002496	1	Wire Harness Right Wing

\*Refer to Hose Schematic included in Packing Box.

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# MOTOR PARTS L & R WING 62" - 74" - 88"

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# MOTOR PARTS L & R WING 62" - 74" - 88"

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ITEM	PART NO.	QTY	DESCRIPTION
	<b>001602</b>	-	<b>Hydraulic Motor</b>
1	001641	1	Rotating Kit Assembly
2	001642	1	Backplate Assembly w/Bearing
3	001643	1	Keyed Driveshaft
4	Non Service	1	Housing Assembly
5	001644	1	Thrust Bearing & Race kit
6	001645	1	Camplate Insert
7	03200409	1	O-Ring
8	02766400	2	Capscrew
9	03200411	1	Washer
10*	02966925	1	Retaining Ring
11	03200413	2	Retaining Ring
12	02966926	1	Shaft Seal Kit
12A*	02966924	1	O-ring
12B*	02966922	1	Seal
12C*	02966923	1	Seal Adapter
13	03200521	1	Key
14	03200587	1	Plug
15	002339	1	Bearing, Backplate
16	002340	1	Bearing, Housing

\* Included in Seal Kit p/n 02966926 Item #12

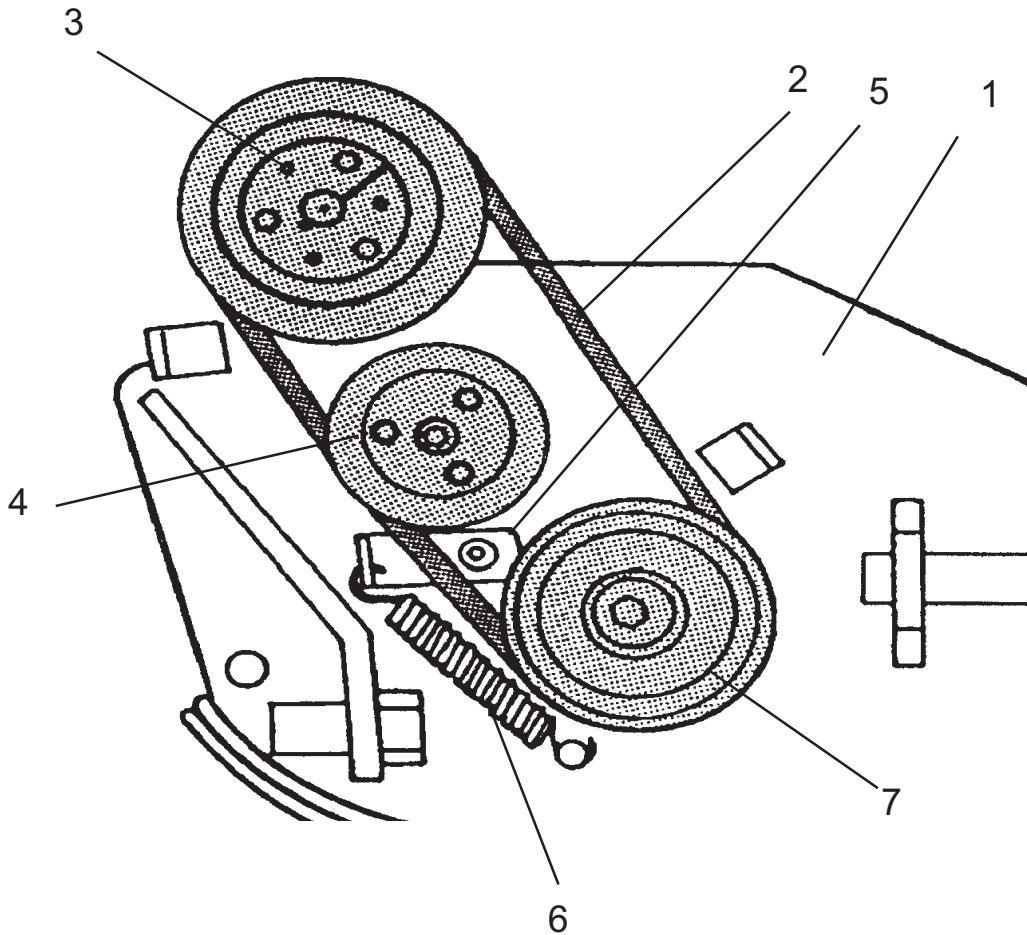
Feb. 1989  
to  
Current

# BELT & PULLEY SYSTEM

## Wing Mowers

### 50" - 62" - 74" 88"

SEE  
S/N Ship Dates  
in Back of Book



NOTE: This is a general layout of Drive Pulley, Belt, Idler Pulley & Spring Adjuster, This is not how all are designed and / or parts location, Location & type Idler arms and / or pulleys will vary from Wing and Rear Unit, Forward & Reverse Rotation, Left to Right Wings are different, Make note of this when removing old parts and installing replacement parts.

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# BELT & PULLEY SYSTEM

## Wing Mowers

### 50" - 62" - 74" - 88"

SEE  
S/N Ship Dates  
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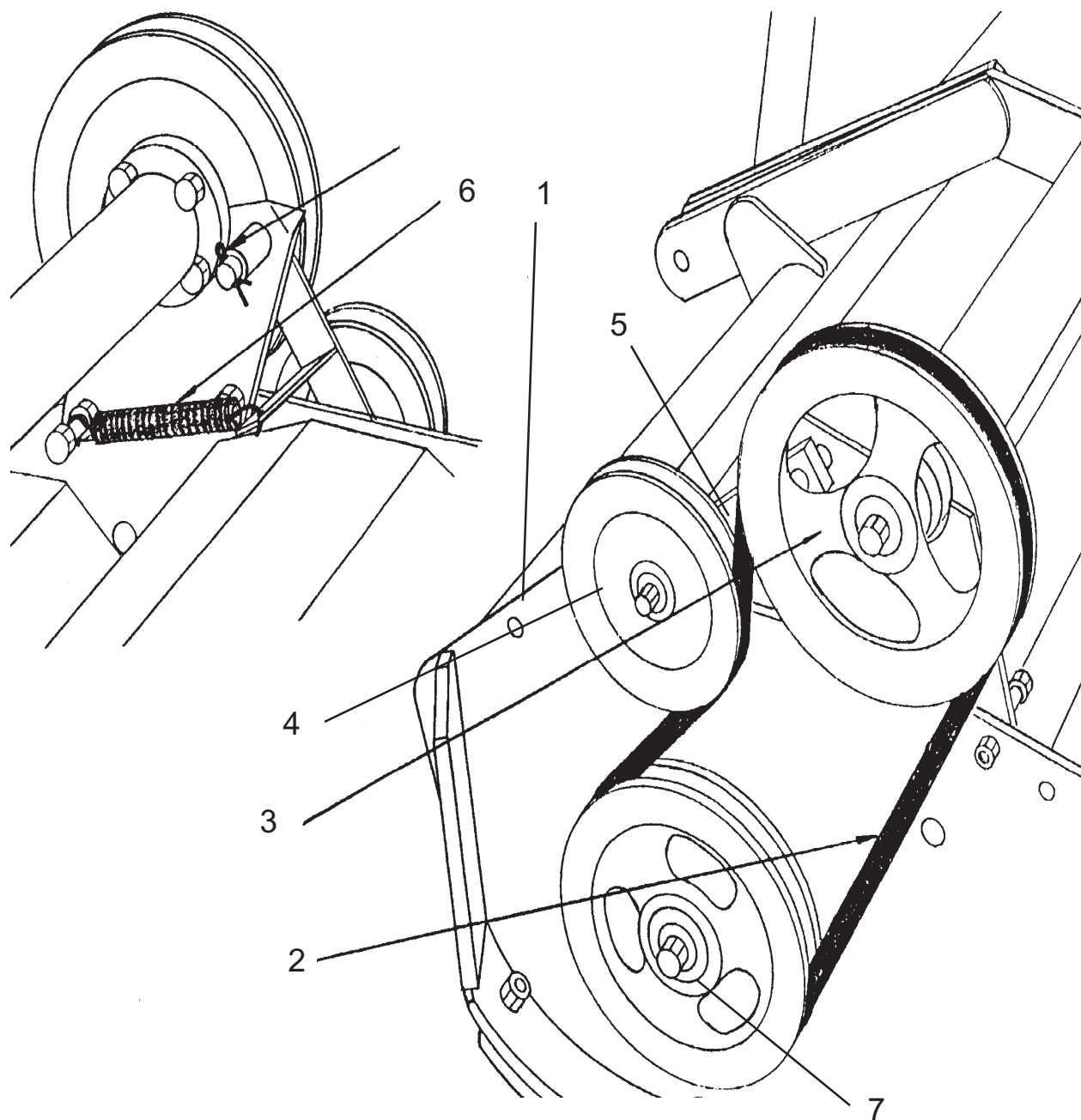
Item	Part No.	Qty 50"	Qty 62"	Qty 74"	Qty 88"	Description
1	-----	1	1	1	1	Mower Asy. (See Mower Pages)
2	000702	1	1	1	--	Belt Set, 2 matched Belts
	100706	--	--	--	1	Belt
3	000673	1	1	1	--	Pulley, Drive Pulley (Use Hub Below)
	102501	--	--	--	1	Pulley, Drive Pulley
	001761	1	1	1	--	Hub, use w/ 000673 Pulley
	10121000	3	3	3	--	Bolts, use w/ 001761 Hub
	00011700	3	3	3	--	Lockwasher, use w/ 001761 Hub
	03200521	1	1	1	--	Key, Step Key, use w/ 001761 Hub
	101780	--	--	--	1	Washer, Heavy Duty, use w/ 102501
	00019600	--	--	--	1	Lockwasher, use w/ 102501
	000555	--	--	--	1	Bolt, use w/ 102501
	101782	--	--	--	1	Key, Sq, use w/ 102501
4	103105	1	1	1	--	Pulley, Idler
	000547	--	--	--	1	Pulley, Idler
	101778	1	1	1	--	Spacer, use w/ 103105
	000001	1	1	1	--	Bolt, use w/ 103105
	00011700	1	1	1	--	Lockwasher, use w/ 103105
	00023500	1	1	1	--	Washer, use w/ 103105
5	106529	1	1	1	--	Idler Arm, RH Fwd Rot.
	106527	1	1	1	--	Idler Arm, RH Rev Rot.
	106528	1	1	1	--	Idler Arm, LH Fwd Rot.
	106526	1	1	1	--	-Idler Arm, LH Rev Rot.
	100727	--	--	--	1	Idler Arm, Fwd Rot.
	104938	--	--	--	1	Idler Arm, Rev Rot.
6	000539	1	1	1	1	Spring, Belt Tensioner
7	103065	1	1	1	--	Pulley, w/Hub, Cutter Shaft Pulley
	102652	--	--	--	1	Pulley, w/HUB, Cutter Shaft Pulley
	100768	1	1	1	1	Key, use w/ 103065 or 102652
	000407	1	1	1	1	Bolt, use w/ 103065 or 102652
	103767	1	1	1	--	Flatwasher, use w/ 103065
	100720	--	--	--	1	Clamp Washer, use w/ 102652
	000521	1	1	1	1	Lockwasher, use w/ 103065 or 102652

Feb. 1989  
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Current

# BELT & PULLEY SYSTEM

## Rear Mowers 88" & 96" Models

SEE  
S/N Ship Dates  
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Current

# BELT & PULLEY SYSTEM

## Rear Mowers

### 88" & 96" Models

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Item	Part No.	Qty 88"	Qty 96"	Description
1	-----	1	1	Mower Asy. (See Previous Pages)
2	100706	1	1	Belt
3	102501	1	1	Pulley w/ Hub, Drive Pulley
	101782	1	1	Key, Sq, use w/ 102501
	101780	1	1	Washer, Heavy Duty
	00019600	1	1	Lockwasher
	000555	1	1	Bolt
4	000547	1	1	Pulley, Idler
5	100727	1	1	Idler Arm, Fwd Rot.
	104938	1	1	Idler Arm, Rev Rot.
6	000539	1	1	Spring, Belt Tensioner
7	102652	1	1	Pulley, Cutter Shaft Pulley
	100768	1	1	Key, use w/ 102652
	000407	1	1	Bolt, use w/ 102652
	100720	1	1	Clamp Washer, use w/ 102652
	000521	1	1	Lockwasher, use w/ 102652

NOTE: This is a general layout of Drive Pulley, Belt, Idler Pulley & Spring Adjuster, This is not how all are designed and / or parts location, Location & type Idler arms and / or pulleys will vary from Wing and Rear Unit, Forward & Reverse Rotation, Left to Right Wings are different, Make note of this when removing old parts and installing replacement parts.

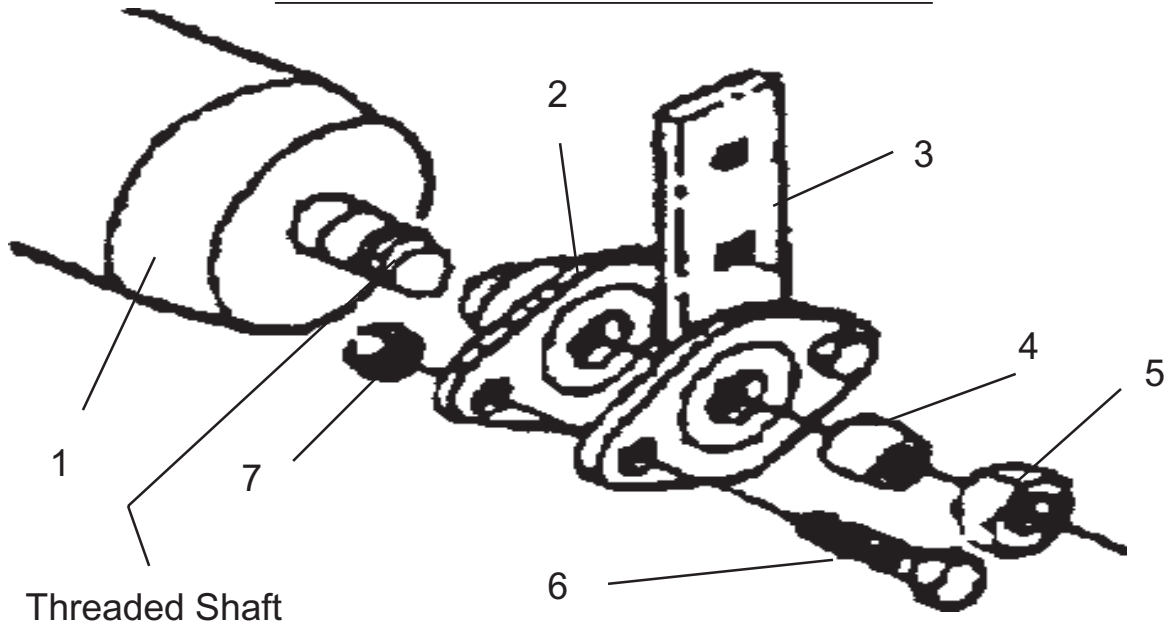
Feb. 1989  
to  
Oct. 1990

# REAR ROLLER Assembly

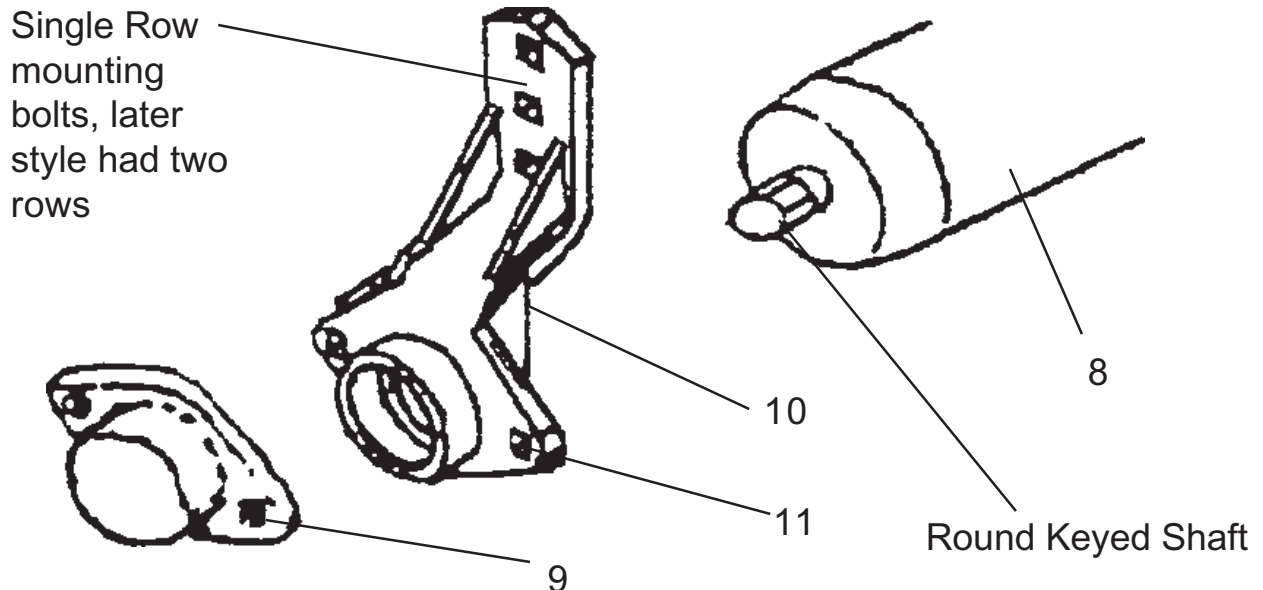
SEE  
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## All Wings & Rear Mowers Round Threaded Shaft

### PRODUCTION ROLLER & BRACKET



### RETRO-FIT ROLLER & BRACKET



Feb. 1989  
to  
Oct. 1990

# REAR ROLLER Assembly

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in Back of Book

## Single Row Mounting Bolt Bracket

### Production Roller Assembly (Used in Production)

Item	Part No.	Qty	Description
1	108189	1	Roller Weldment Only, Threaded Shaft, 50"
	105701	1	Roller Weldment Only, Threaded Shaft, 62"
	105702	1	Roller Weldment Only, Threaded Shaft, 74"
	105703	1	Roller Weldment Only, Threaded Shaft, 88"
2	702485	1	Bearing & Housing Asy, LH or RH
	703574	1	Bearing, Round LH or RH
3	105697	1	Bracket Only, LH or RH
4	106913	1	Spacer, LH or RH
5	001096	1	Nut, Roller Retaining, LH or RH
6	000516	2	Bolt
7	00001800	2	Locknut TLM 1/2 NC PLC

### Retro - Fit Roller Assembly Kit (Replacement For Above)

Item	Part No.	Qty	Description
8	<b>703705</b>	--	<b>Roller, Bracket &amp; Brg Asy. 50"</b>
	<b>107810</b>	1	<b>Roller Only, Hex Shaft), 50"</b>
	<b>703599</b>	--	<b>Roller, Bracket &amp; Brg Asy. 62"</b>
	107176	1	*Roller Only, Round Shaft, 62"
	107784	1	Roller Only, Hex Shaft, 62"
	<b>703600</b>	--	<b>Roller, Bracket &amp; Bearing Asy. 74"</b>
	107177	1	*Roller Only, Round Shaft, 74"
	<b>107785</b>	1	<b>Roller Only, Hex Shaft, 74"</b>
	<b>703601</b>	--	<b>Roller, Bracket &amp; Bearing Asy. 88"</b>
	107178	1	*Roller Only, Round Shaft 88"
	107786	1	Roller Only, Hex Shaft 88"
9	703575	1	*Bearing & Housing Asy, Round Shaft
	703976	1	Bearing & Housing Asy, Hex Shaft
	703574	1	*Bearing Only, Round Shaft
	002486	1	Bearing Only, Hex Shaft
	107340	1	Bearing Housing Only, Round or Hex Shaft
	002039	1	Grease Fitting, Round or Hex Shaft
	002037	1	Seal, (Not Shown)
	10	107396	1
11	000516	2	Bolt, (Not Shown)
	00001800	2	Locknut TLM 1/2 NC PLC (Not Shown)

\* Round Bearing & Roller has been replaced by Hex Shaft & Bearing, If a Roller Asy is ordered it WILL have Hex Bearings. Round Bearings are listed as replacement parts Only. This Retro Fit WILL NOT fit on Mowers after Oct 1990 because Bracket was changed to Double row mounting bolts to Deck.

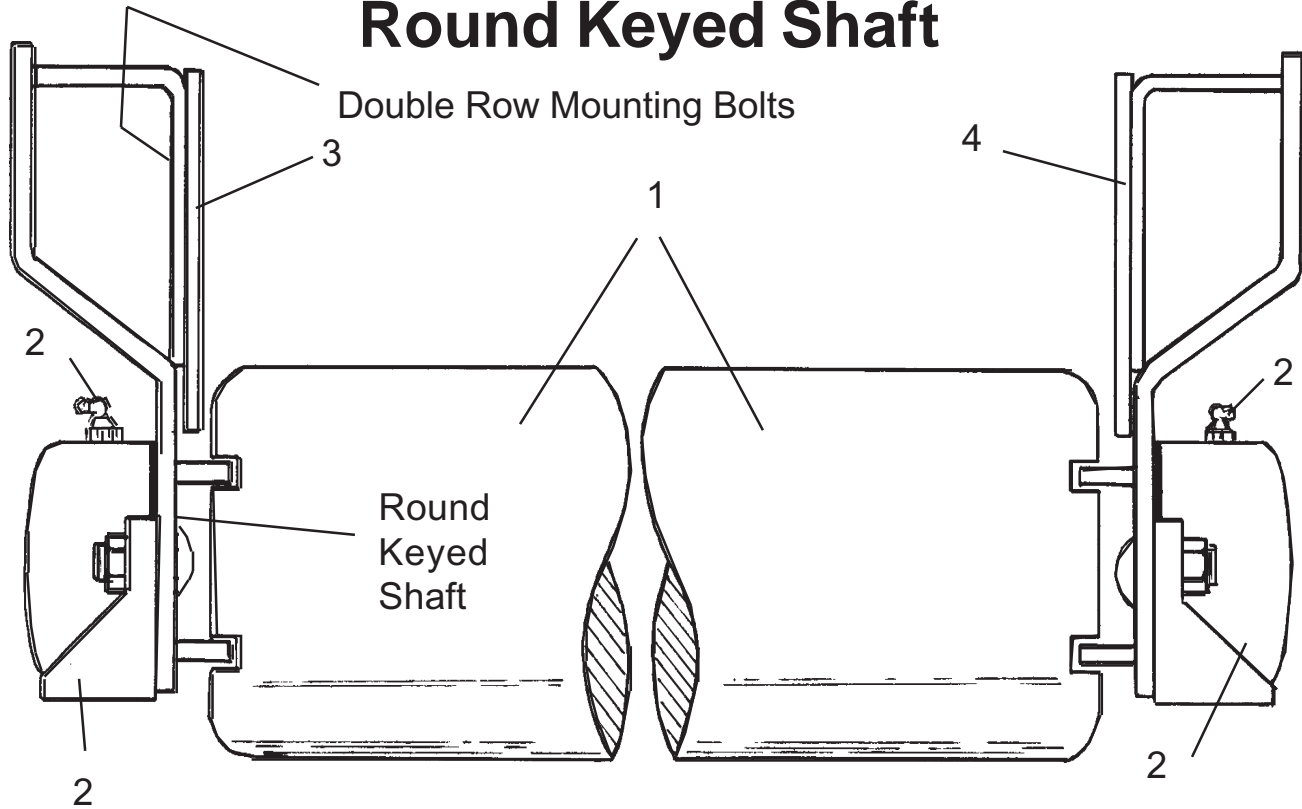
**RETRO-FIT ROLLER KITS** were as replaceemnt parts and WERE NOT USED in production but as replacement Parts Only.

Nov. 1990  
to  
Jan. 1994

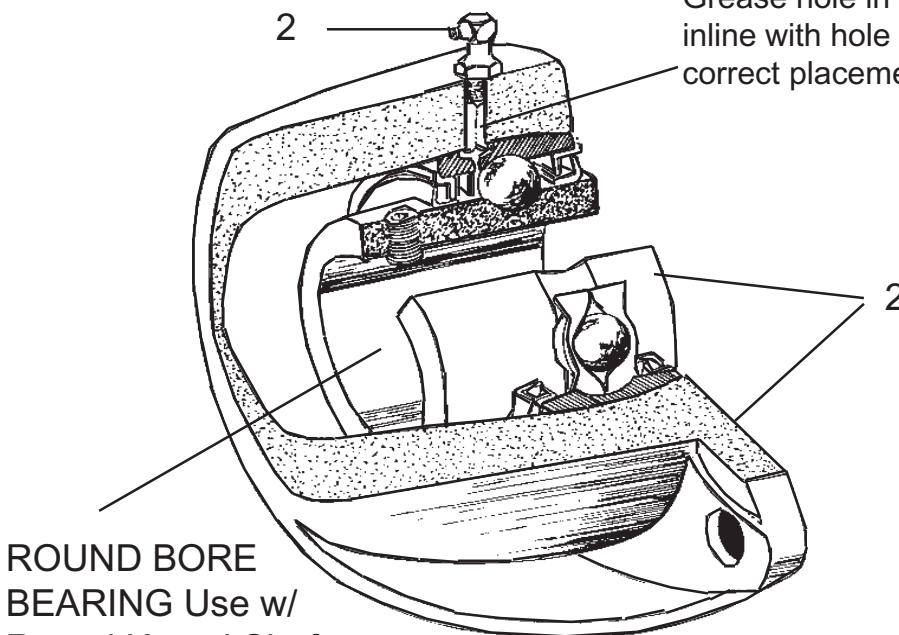
# REAR ROLLER Assembly

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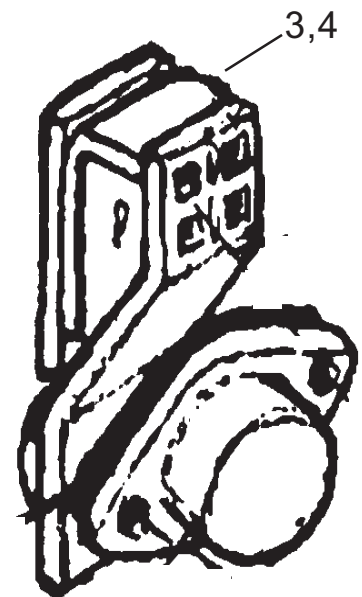
## All Wings & Rear Mowers Round Keyed Shaft



Grease hole in bearing must be inline with hole in housing to insure correct placement of grease fitting



ROUND BORE  
BEARING Use w/  
Round Keyed Shaft  
Roller



Double Row  
Mounting Bolts



Nov. 1990  
to  
Jan. 1994

# REAR ROLLER Assembly

SEE  
S/N Ship Dates  
in Back of Book

## All Wings & Rear Mowers Round Keyed Shaft & Double Row Mounting Bolts

Item	Part No.	Qty	Description
1	108189	1	Roller Weldment, 50"
	107176	1	Roller Weldment, 62" (Round Shaft)
	704021	--	Roller & Brg retro-Fit Kit 62" (Hex Shaft)
	107177	1	Roller Weldment, 74"
	701401	--	Roller, Bracket & Brg Asy, Retro Fit 74" (Hex Shaft)
	107178	1	Roller Weldment, 88"
	107682	1	Roller Weldment, 96" ( Round Shaft)
	704026	--	Roller & Bearing Retro-Fit Kit 96" (Hex Shaft)
	2	703575	1
703574		1	Bearing, Round Keyed, LH or RH
107304		1	Housing , Cast, LH or RH
002039		1	Grease Fitting, LH or RH
000516		2	Bolt, LH or RH
00001800		2	Locknut TLM 1/2 NC PLC, LH or RH
002037		1	Seal, LH or RH (Not Shown)
3		107182	1
	703263	1	Bracket & Bearing Asy, LH
	00749130	2	Bolt, Bracket Mounting, (Not Shown)
	00001800	2	Locknut TLM 1/2 NC PLC, Bracket Mounting, (Not Shown)
4	107380	1	Bracket Only, LH
	703596	1	Bracket & Bearing Asy, RH
	00749130	2	Bolt, Bracket Mounting, (Not Shown)
	00001800	2	Locknut TLM 1/2 NC PLC, Bracket Mounting, (Not Shown)

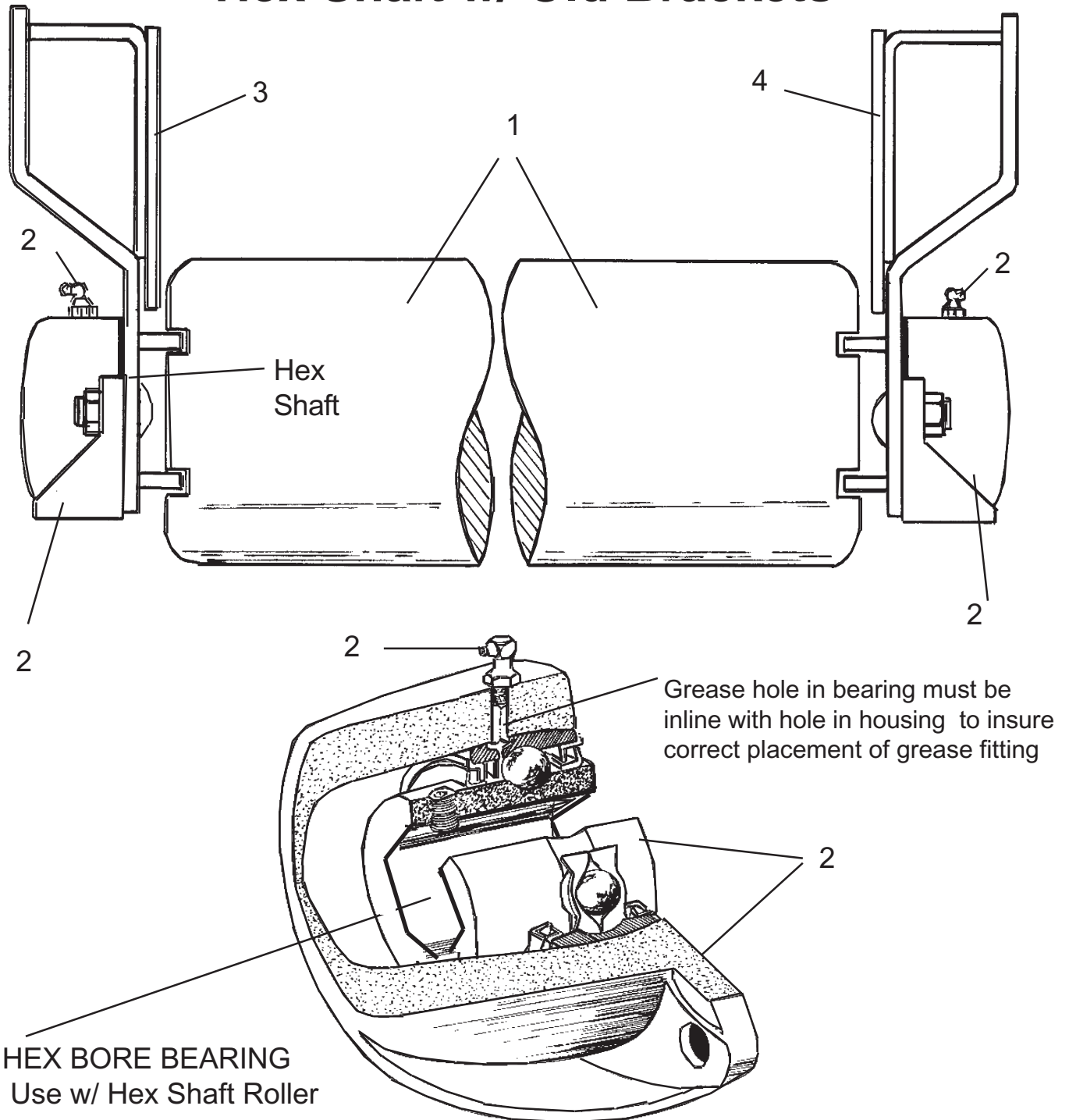
NOTE: This ROLLER has a Round Shaft w/ Keyway where Bearing Mounts, Later Rollers have a Hex (6 sided) Shaft & use a Hex Bore Bearing, The Hex Bore Roller will replace the Round Bore if the Hex Bearings are used, The Bearing Housing & Mounting Brackets were the same.

Feb. 1994  
to  
Oct. 2000

# REAR ROLLER Assembly

SEE  
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## All Wings & Rear Mowers Hex Shaft w/ Old Brackets



Feb. 1994  
to  
Oct. 2000

# REAR ROLLER Assembly

SEE  
S/N Ship Dates  
in Back of Book

## All Wings & Rear Mowers Hex Shaft w/ Old Brackets

Item	Part No.	Qty	Description
1	107810	1	Roller Weldment, Hex Shaft, 50"
	703262	--	Roller, Bracket & Brg Asy. Hex Shaft 62"
	107784	1	Roller Weldment Hex Shaft, 62"
	703261	--	Roller, Bracket & Brg Asy. Hex Shaft, 74"v
	107785	1	Roller Weldment Hex Shaft, 74"
	703260	--	Roller, Bracket & Brg Asy. Hex Shaft, 88"
	107786	1	Roller Weldment Hex Shaft, 88"
	704026	--	Roller & Brg Asy, L/Bracket, 96" Hex Shaft
	107787	1	Roller Weldment Hex Shaft, 96"
	2	703976	1
002486		1	Bearing, Hex Shaft, LH or RH
107304		1	Housing , Cast, LH or RH
002039		1	Grease Fitting, LH or RH
000516		2	Bolt, LH or RH
00001800		2	Locknut TLM 1/2 NC PLC, LH or RH
002037		1	Seal, LH or RH (Not Shown)
3	107182	1	*Bracket Only, LH (Use P/N 02976761)
	703977	1	Bracket & Bearing Asy, Hex Shaft, LH
	00749130	2	Bolt, Bracket Mounting, (Not Shown)
	00001800	2	Locknut TLM 1/2 NC PLC, Bracket Mounting, (Not Shown)
4	107380	1	*Bracket Only, RH (Use P/N 02976761)
	703978	1	Bracket & Bearing Asy, RH
	00749130	2	Bolt, Bracket Mounting, (Not Shown)
	00001800	2	Locknut TLM 1/2 NC PLC, Bracket Mounting, (Not Shown)

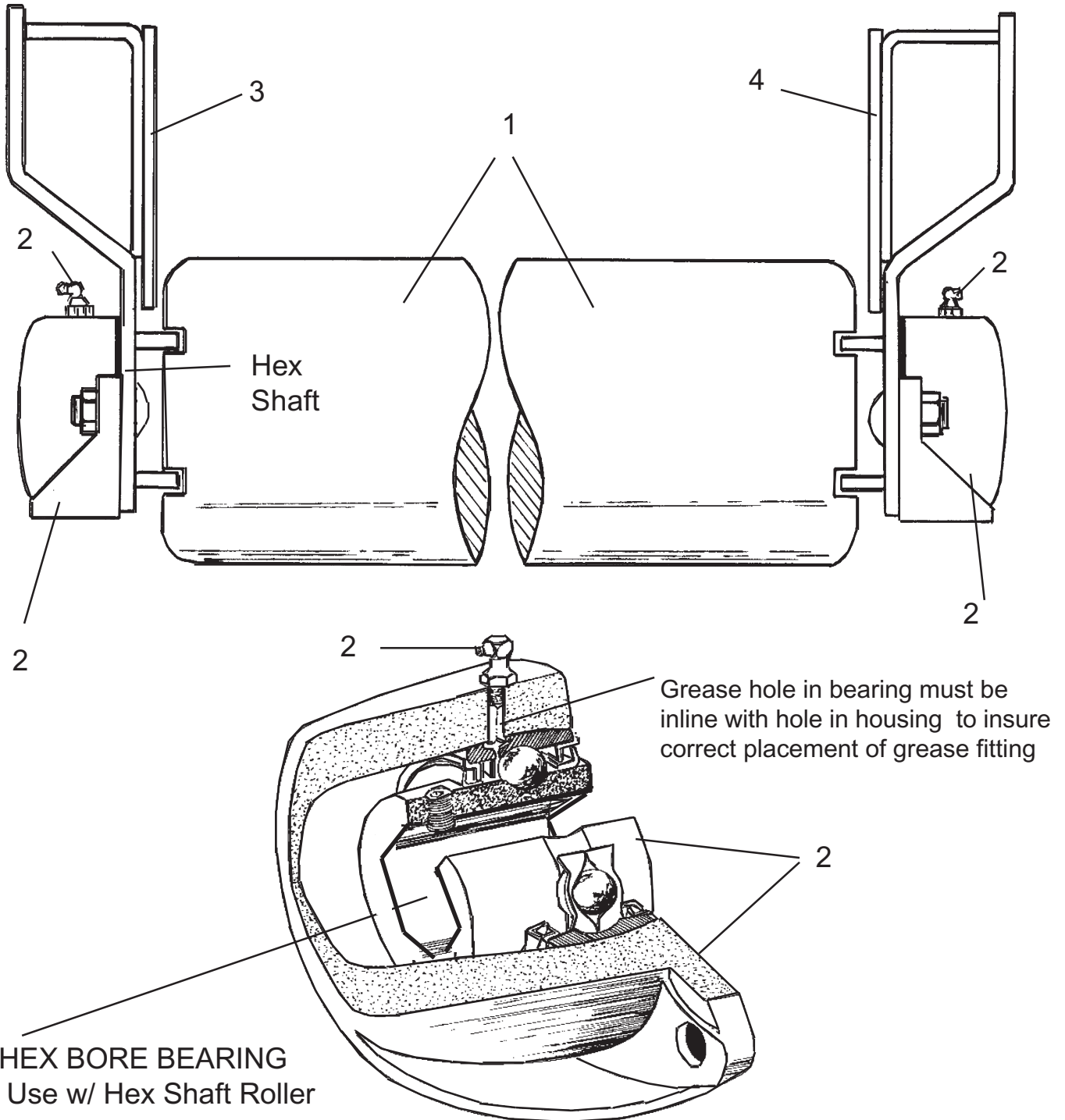
\* Note: Item 3 & 4 Brackets were LH or RH use only, These have been changed to P/N 02676761 as of Nov. 2000 which will work on right or left hand side. If Bracket & Bearing Asy. is ordered it will have new Bracket, If Bracket only is ordered New Style Bracket will Be Shipped that will work on LH or RH side.

Nov. 2000  
to  
Current

# REAR ROLLER Assembly

SEE  
S/N Ship Dates  
in Back of Book

## All Wings & Rear Mowers Hex Shaft & New Bracket



Nov. 2000  
to  
Current

# REAR ROLLER Assembly

SEE  
S/N Ship Dates  
in Back of Book

## All Wings & Rear Mowers Hex Shaft & New Bracket

Item	Part No.	Qty	Description
1	703262	--	Roller, Bracket & Bry Asy. Hex Shaft 62"
	107784	1	Roller Weldment Hex Shaft, 62"
	703261	--	Roller, Bracket & Brg Asy. Hex Shaft, 74"
	107785	1	Roller Weldment Hex Shaft, 74"
	703260	--	Roller, Bracket & Brg Asy. Hex Shaft, 88"
	107786	1	Roller Weldment Hex Shaft, 88"
	704026	--	Roller & Brg Asy, L/Bracket, 96" Hex Shaft
	107787	1	Roller Weldment Hex Shaft, 96"
2	703976	1	Bearing & Housing Asy Hex Shaft, LH or RH
	002486	1	Bearing, Hex Shaft, LH or RH
	107304	1	Housing , Cast, LH or RH
	002039	1	Grease Fitting, LH or RH
	000516	2	Bolt, LH or RH
	00001800	2	Locknut TLM 1/2 NC PLC, LH or RH
	002037	1	Seal, LH or RH (Not Shown)
3	02976761	1	*Bracket Only, LH or RH (Repl's # 107172 or 107380)
	703977	1	Bracket & Bearing Asy, Hex Shaft, LH or RH
	00749130	2	Bolt, Bracket Mounting, (Not Shown)
	00001800	2	Locknut TLM 1/2 NC PLC, Bracket Mounting, (Not Shown)
4	02976761	1	*Bracket Only, RH or LH (Repl's # 107380 or 107172)
	703978	1	Bracket & Bearing Asy, LH or RH
	00749130	2	Bolt, Bracket Mounting, (Not Shown)
	00001800	2	Locknut TLM 1/2 NC PLC, Bracket Mounting, (Not Shown)

\* Note: Item 3 & 4 Brackets were LH or RH use only, These have been changed to P/N 02676761 as of Nov. 2000 which will work on right or left hand side. If Bracket & Bearing Asy. is ordered it will have new Bracket, If Bracket only is ordered New Style Bracket (#02976761) will Be Shipped.

Feb. 1989  
to  
Current

# ROLLERS Optional Equip.

SEE  
S/N Ship Dates  
in Back of Book

## OPTIONAL EQUIPMENT, ACCESSORIES, AND PACKAGES

### 50" ROLLER - (Wing Only)

- 108189 Roller Only (Steel)
- 702010 Roller, Brcket & Bry asy, (Steel W/Rubber Cover)

### 62" ROLLER - (Wing Only)

- 703602 Roller Scraper Kit, (Recommended for Steel Roller)
- 701646 Roller, Bracket & Brg Asy, (Steel )
- 107784 Roller Only, (Steel)
- 702118 Roller, Bracket & Brg Asy, (Steel w/ Rubber Cover, 1/4" thick Pad)
- 105569 Roller Only, (Steel w/ Rubber Cover, 1/4" Thick Pad)

### 74" ROLLER - (Wing Only)

- 703603 Roller Scraper Kit, (Recommended for Steel Roller)
- 701401 Roller, Bracket & Brg Asy, (Steel )
- 107785 Roller Only, (Steel)
- 702120 Roller, Bracket & Brg Asy, (Steel w/ Rubber Cover, 1/4" thick Pad)
- 105570 Roller Only, (Steel w/ Rubber Cover, 1/4" Thick Pad)

### 88" ROLLER - (Wing or Rear)

- 703604 Roller Scraper Kit, (Recommended for Steel Roller)
- 701402 Roller, Bracket & Brg Asy, (Steel )
- 107786 Roller Only, (Steel)
- 702122 Roller, Bracket & Brg Asy, (Steel w/ Rubber Cover, 1/4" thick Pad)
- 105571 Roller Only, (Steel w/ Rubber Cover, 1/4" Thick Pad)

### 96" ROLLER - (Rear Only)

- 704036 Roller Scraper Kit, (Recommended for Steel Roller)
- 107787 Roller Only, (Steel)
- 002452 Roller Only, (Steel w/ Rubber Cover, 1/4" Thick Pad)

# NOTES

Feb. 1989  
to  
Current

# CUTTERSHAFT BEARING ASY.

SEE  
S/N Ship Dates  
in Back of Book

## DRIVE & NON-DRIVE END

Wing & Rear Mowers 62" - 74" - 88" - 96"

# CUTTER SHAFT BEARING SECTION INFORMATION

## Drive & Non-Drive Ends

Read All Directions, Notes and Instruction Sheets sent with Parts. Most of these Bearings WILL INTERCHANGE or REPLACE BEARINGS IF ALL DIRECTONS ARE FOLLOWED.

1. **Feb. 1989 to Oct. 1990**

Use Caution When replacing Bearings on Unit Built from Feb. 1989 to Oct. 1990, There were Changes made in Deck Housing which require Bearings with Spacers between Deck & Bearing Housing when replaceing Bearing Assemblies. The Drive & Non-Drive Bearings Spacers install different, Also the Wing & Rear Mowers Use different Spacers, Read All instruction sent with Bearing Assemblies. See Instruction Sheet # 803414 for Rear Mowers & # 803415 Sheet for Wing Mowers. The Spacers were only used during this period and NOT After. (WILL NOT Apply to 96" Model because not introduced till 1992)

2. **Nov. 1990 to Feb. 1999**

The Difference between Drive End & Non-Drive End Bearing Assemblies from Nov. 1990 to Feb, 1999 was the Grease Fitting, The Drive End has a Pipe Nipple & Coupler where the Non-Drive Does Not., The Drive & Non-Drive End used the same Bearing & Housing. The Drive End DID NOT USE the Set Screw that were sent with the bearings only Non-Drive End DID.

3. **Mar. 1999 to Current**

The Drive End Bearing DID NOT Change but the Non-Drive end Did. The Cutter Shaft was made 3/4" longer on Non-Drive End, A different Bearing was used that is install in the opposite direction as the old one did, (This is a completely different Bearing) This New Bearing on the Non-Drive End WILL NOT WORK with the older Cutter Shafts that were 3/4" shorter and it WILL NOT Work on the Drive End, DO NOT try to put The Newer Bearing Units built prior to Mar. 1999 unless the Cutter Shaft is also Changed. The Longer Cutter Shaft CAN BE USED with the Old Bearings or the New Bearings, (DO NOT MIX THESE BEARINGS)

4. **General Information.**

DO NOT Install Bearing Backwards in Housings, The Hole (for Lubrication) located in the outer Bearing Race has to be located so it will line up with the Hole in the Bearing Housing. If it is Bearing damage WILL occur because bearings CANNOT be lubed.



Feb. 1989  
to  
Oct. 1990

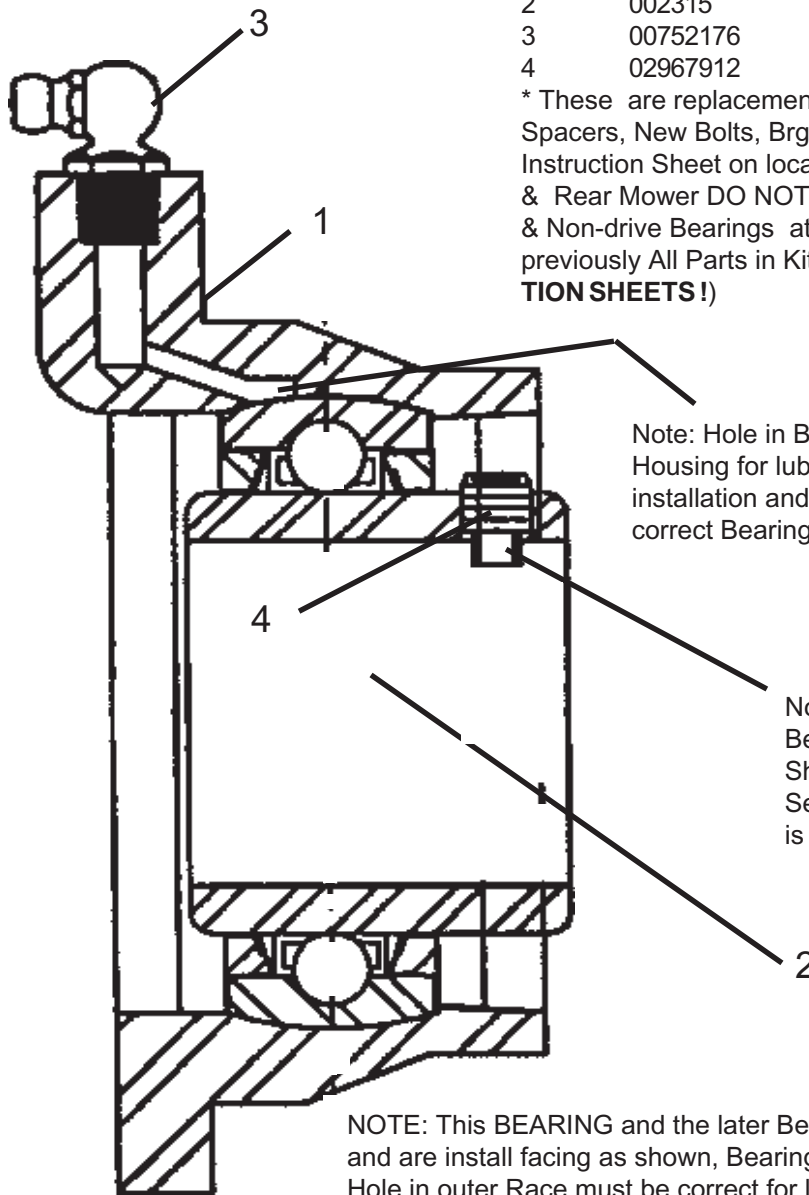
# CUTTERSHAFT BEARING ASY. NON-DRIVE SIDE P/N 704202

SEE  
S/N Ship Dates  
in Back of Book

Wing & Rear Mowers 62" - 74" - 88"

Item	Part No.	Qty	Description
	704202	-	<b>Bearing &amp; Hsg Asy</b> * Use # 704391 Wing & # 704389 Rear Mower
1	107469	1	Bearing Housing
2	002315	1	Bearing Only
3	00752176	1	Grease Fitting
4	02967912	1	Set Screw

\* These are replacement Brg Assemblies which will include Spacers, New Bolts, Brg w/Hsg & Instruction Sheet, Following the Instruction Sheet on location of Spacers is very Important. Wings & Rear Mower DO NOT Assemble the same. (If you replace Drive & Non-drive Bearings at the same time or if one has been replaced previously All Parts in Kits WILL NOT be used **READ INSTRUCTION SHEETS!**)



Note: Hole in Bearing MUST line up with the Hole in the Housing for lubrication, IF IT IS NOT aligned check installation and the Bearing Part Number to be sure it is correct Bearing.

Note; There are SetScrews & Holes in this Bearing , replacement Bearings should be Shipped with Set Screws in them. The Setscrews ARE USED when this Bearing is being used on Non- Drive Side

NOTE: This BEARING and the later Bearing on NON-DRIVE SIDE are the Same and are install facing as shown, Bearing installation is very important because the Hole in outer Race must be correct for lubrication. These Bearings have changed and use a Kit with Spacer when installing them. Read All Directions.

Nov. 1990  
to  
Feb. 1999

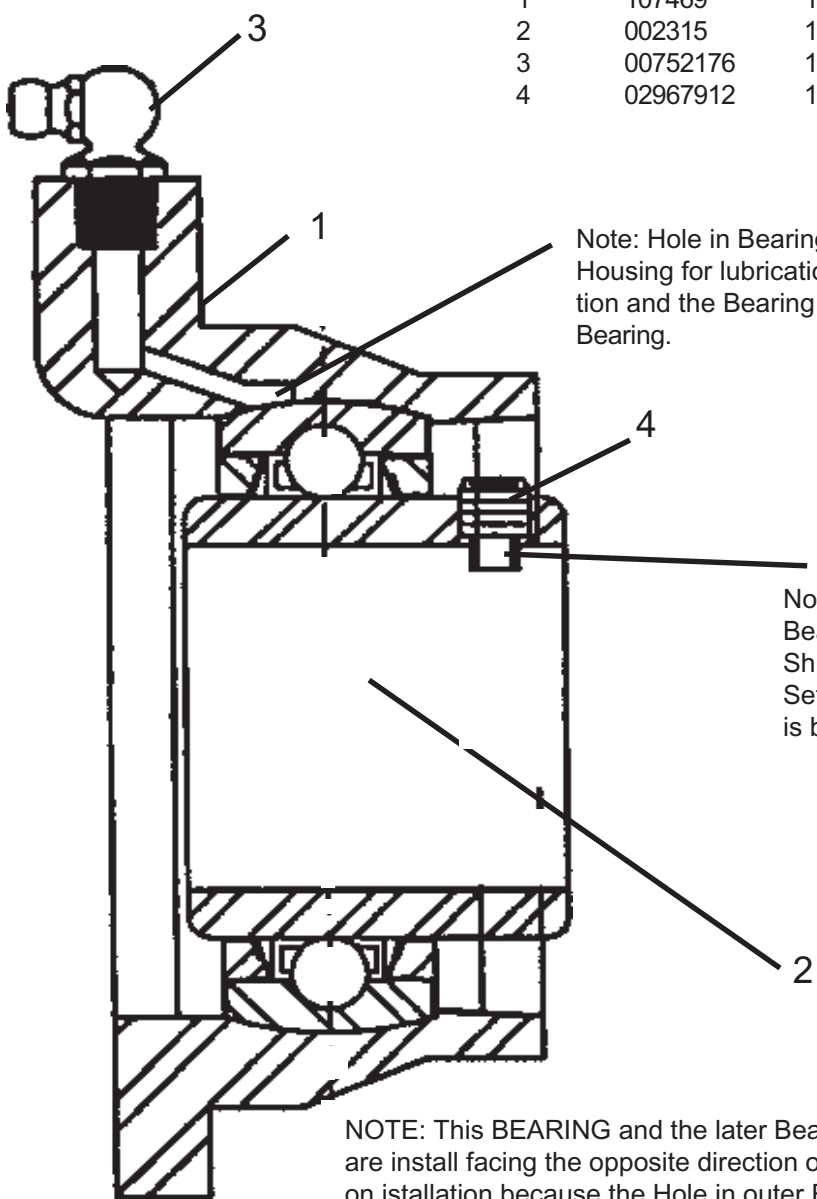
# CUTTERSHAFT BEARING ASY. NON-DRIVE SIDE

SEE  
S/N Ship Dates  
in Back of Book

## P/N 703271

### Wing & Rear Mowers 62" - 74" - 88" - 96"

Item	Part No.	Qty	Description
	<b>703271</b>	<b>1</b>	<b>Bearing &amp; Hsg Asy.</b>
1	107469	1	Bearing Housing
2	002315	1	Bearing Only
3	00752176	1	Grease Fitting
4	02967912	1	Set Screw



Note: Hole in Bearing MUST line up with the Hole in the Housing for lubrication, IF IT IS NOT aligned check installation and the Bearing Part Number to be sure it is correct Bearing.

Note; There are SetScrews & Holes in this Bearing , replacement Bearings should be Shipped with Set Screws in them. The Setscrews ARE USED when this Bearing is being used on Non- Drive Side

NOTE: This BEARING and the later Bearing on NON-DRIVE SIDE are Different and are install facing the opposite direction of each other, DO NOT mix these Bearings on installation because the Hole in outer Race is on opposite sides AND WILL NOT WORK, This is very important for proper lubrication!!!

Mar. 1999  
to  
Current

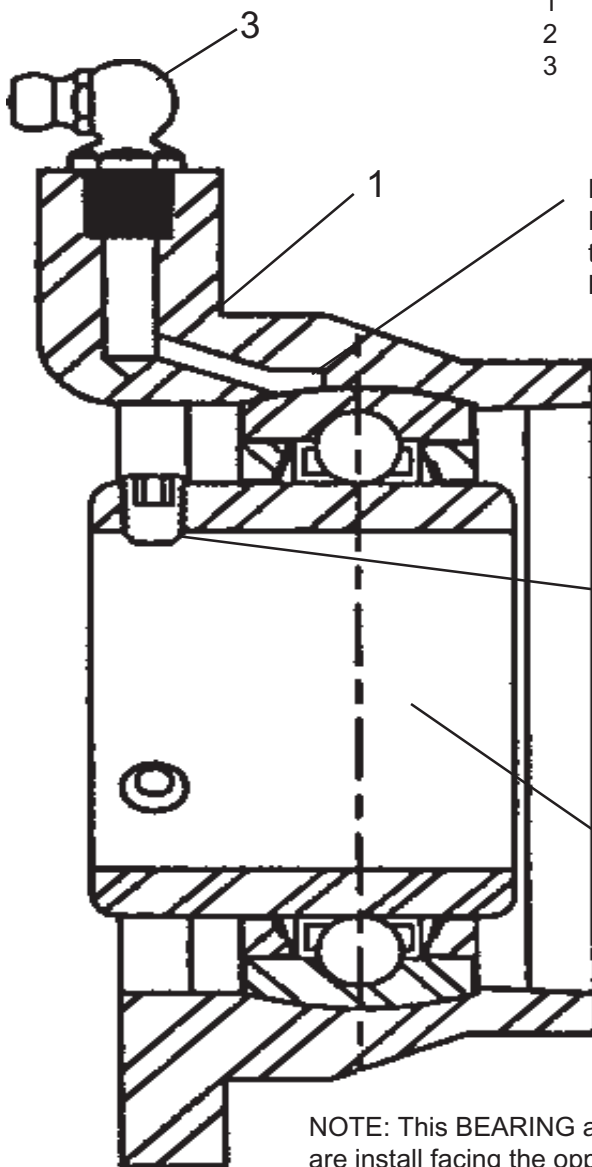
# CUTTERSHAFT BEARING ASY. NON-DRIVE SIDE

SEE  
S/N Ship Dates  
in Back of Book

## P/N 704305

### Wing & Rear Mowers 62" - 74" - 88" - 96"

Item	Part No.	Qty	Description
	<b>704305</b>	<b>1</b>	<b>Bearing &amp; Hsg Asy.</b>
1	107469	1	Bearing Housing
2	002530	1	Bearing Only
3	00752176	1	Grease Fittin



Note: Hole in Bearing MUST line up with the Hole in the Housing for lubrication, IF IT IS NOT aligned check installation and the Bearing Part Number to be sure it is correct Bearing.

Note; There are SetScrews & Holes in this Bearing , replacement Bearings should be Shipped with Set Screws in them. The Setscrews ARE USED when this Bearing is being used on Non- Drive Side

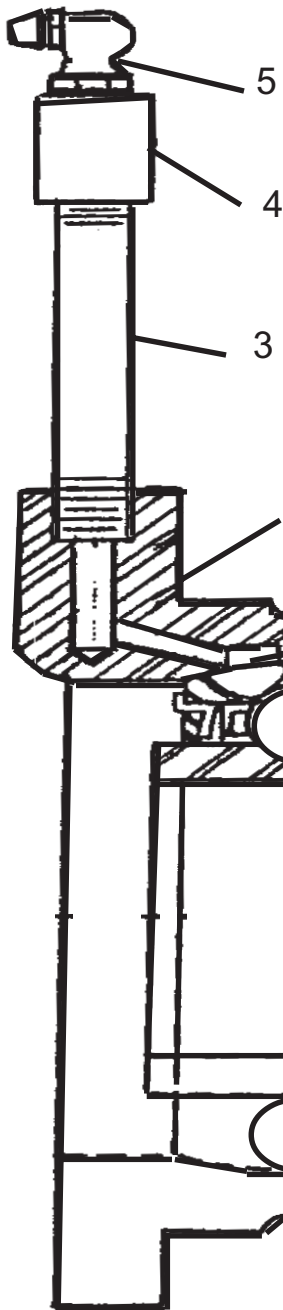
NOTE: This BEARING and the Earlier Bearing on NON-DRIVE SIDE are Different and are install facing the opposite direction of each other, DO NOT mix these Bearings on installation because the Hole in outer Race is on opposite sides and WILL NOT WORK, This is very important for proper lubrication!!!

Feb. 1989  
to  
Oct. 1990

# CUTTERSHAFT BEARING ASY. DRIVE SIDE P/N 704203

SEE  
S/N Ship Dates  
in Back of Book

Wing & Rear Mowers 62" - 74" - 88"



Item	Part No.	Qty	Description
	704203	1	<b>Bearing &amp; Hsg Asy.</b> * Use # 704390 f/ Wing & # 704388 f/ Rear Mower
1	107469	1	Bearing Housing
2	002315	1	Bearing Only
3	002347	1	Pipe, Nipple
4	002348	1	Coupler, Pipe
5	00752176	1	Grease Fitting

\* These are replacement Brg Assemblies which will include Spacers, New Bolts, Brg w/Hsg & Instruction Sheet, Following the Instruction Sheet on location of Spacers is very Important. Wings & Rear Mower DO NOT Assemble the same. (If you replace Drive & Non-drive Bearings at the same time or if one has been replaced previously All Parts in Kits WILL NOT be used **READ INSTRUCTION SHEETS !**)

Note: Hole in Bearing MUST line up with the Hole in the Housing for lubrication, IF IT IS NOT aligned check installation and the Bearing Part Number to be sure it is correct Bearing.

Note; There are SetScrew Holes in this Bearing and replacement Bearings are Shipped with Set Screws in them. BUT the Setscrews ARE NOT USED when this Bearing is being used on Drive Side

Nov. 1990  
to  
Current

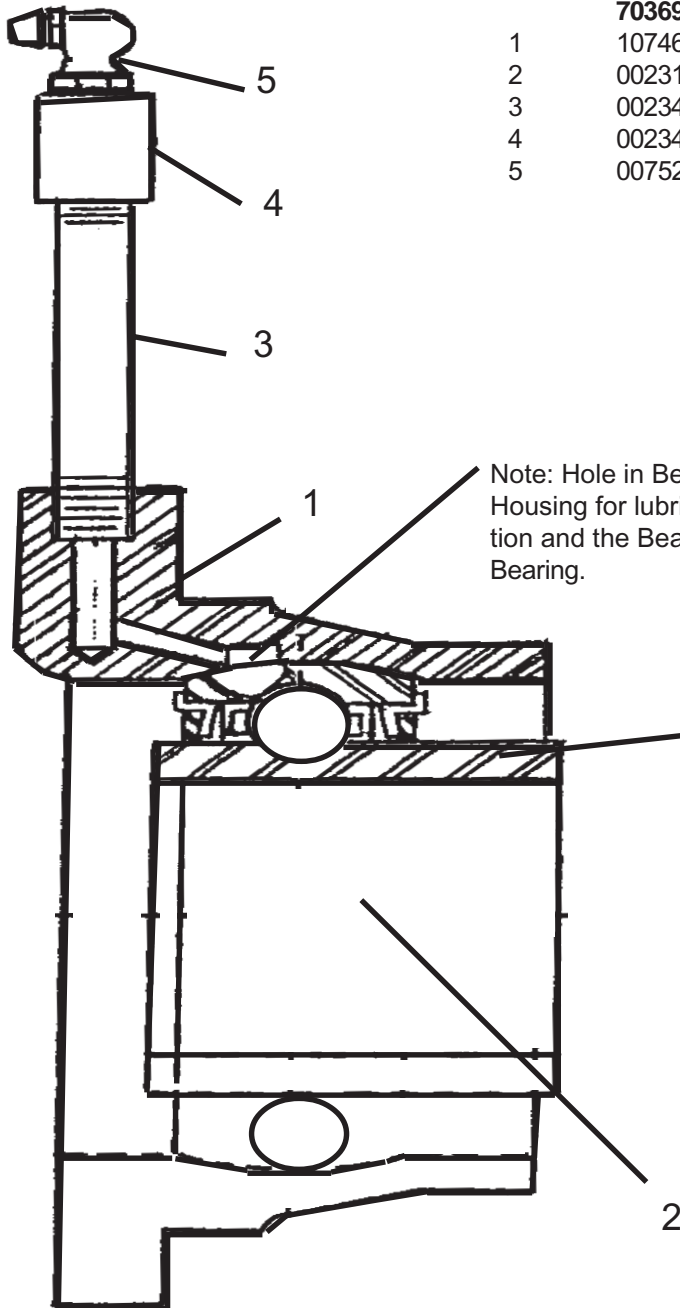
# CUTTERSHAFT BEARING ASY. DRIVE SIDE

SEE  
S/N Ship Dates  
in Back of Book

## P/N 703695

### Wing & Rear Mowers 62" - 74" - 88" - 96"

Item	Part No.	Qty	Description
	<b>703695</b>	<b>1</b>	<b>Bearing &amp; Hsg Asy.</b>
1	107469	1	Bearing Housing
2	002315	1	Bearing Only
3	002347	1	Pipe, Nipple
4	002348	1	Coupler, Pipe
5	00752176	1	Grease Fitting



Note: Hole in Bearing MUST line up with the Hole in the Housing for lubrication, IF IT IS NOT aligned check installation and the Bearing Part Number to be sure it is correct Bearing.

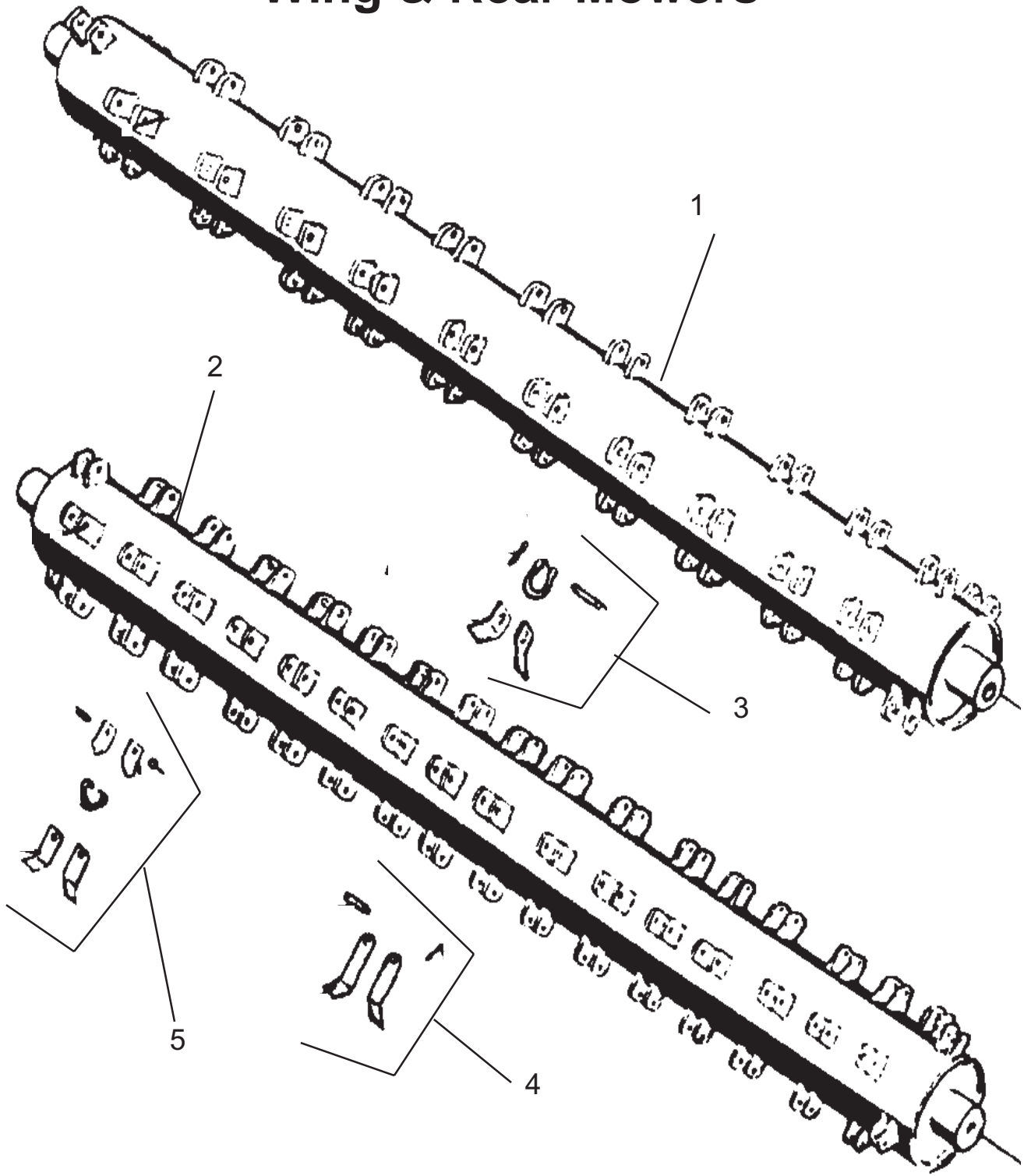
Note; There are SetScrew Holes in this Bearing and replacement Bearings are Shipped with Set Screws in them. BUT the Setscrews ARE NOT USED when this Bearing is being used on Drive Side

Feb. 1989  
to  
Oct. 1990

# CUTTERSHAFT & KNIVES

SEE  
S/N Ship Dates  
in Back of Book

## Wing & Rear Mowers



Feb. 1989  
to  
Oct. 1990

# CUTTERSHAFT & KNIVES

SEE  
S/N Ship Dates  
in Back of Book

## Wing & Rear Mowers

### Coarse Cut Cutter Shaft (CC)

Item	Part No.	Qty 50"	Qty 62"	Qty 74"	Qty 88"	Description
1	105718	1	--	--	--	Cuttershaft Weldment, CC
	105719	--	1	--	--	Cuttershaft Weldment, CC
	105720	--	--	1	--	Cuttershaft Weldment, CC
	105721	--	--	--	1	Cuttershaft Weldment, CC
3	100759	60	72	72	88	Knife, CC (Std)
	105319M	60	72	72	88	Knife, CC ES Sheared Edge (Option)
	108381	60	72	72	88	Knife, CC ES Forged Edge (Option)
	103026	30	36	36	44	Knife, Renovating Detatching (Option)
	100761	30	36	36	44	Ring, (CC Knife)
	102670	30	36	36	44	Pin, Hardened (CC Knife)
	000026	30	36	36	44	Cotter Pin (CC Knife)

### Fine Cut Cutter Shaft (FC)

Item	Part No.	Qty 50"	Qty 62"	Qty 74"	Qty 88"	Description
2	105722M	1	--	--	--	Cuttershaft Weldment, FC
	105723	--	1	--	--	Cuttershaft Weldment, FC
	105724	--	--	1	--	Cuttershaft Weldment, FC
	105725	--	--	--	1	Cuttershaft Weldment, FC
4	102086	138	152	184	216	Knife, FC Pin Mounted (Std)
	102087	69	76	92	108	Knife, Renovating Detatching (Option)
	101034	69	76	92	108	Pin, Hardened (FC Knife)
	000026	69	76	92	108	Cotter Pin (FC Knife)
5	101993	138	152	184	216	Knife, FC Ring Mounted (Option)
	101991	69	76	92	108	Ring, FC Knife Ring Mounted
	102650	138	152	184	216	Ring Clip, FC Knife Ring Mounted
	000032	69	76	92	108	Bolt, FC Knife Ring Mounted
	000210	69	76	92	108	Locknut, FC Knife Ring Mounted

To ID Cutter Shaft Measure Length End to End (Includes Bearing Shafts)  
OR count the Blade Lugs welded to shaft, Lug Qty will match Blade Qty.

Shaft	Type	Length	Size	Shaft	Type	Length	Size
105718	CC	52.21"	50"	105722M	FC	52.21"	50"
105719	CC	65.85	62"	105723	FC	65.85"	62"
105720	CC	79.65"	74"	105724	FC	79.65"	74"
105721	CC	92.50"	88"	105725	FC	92.50"	88"

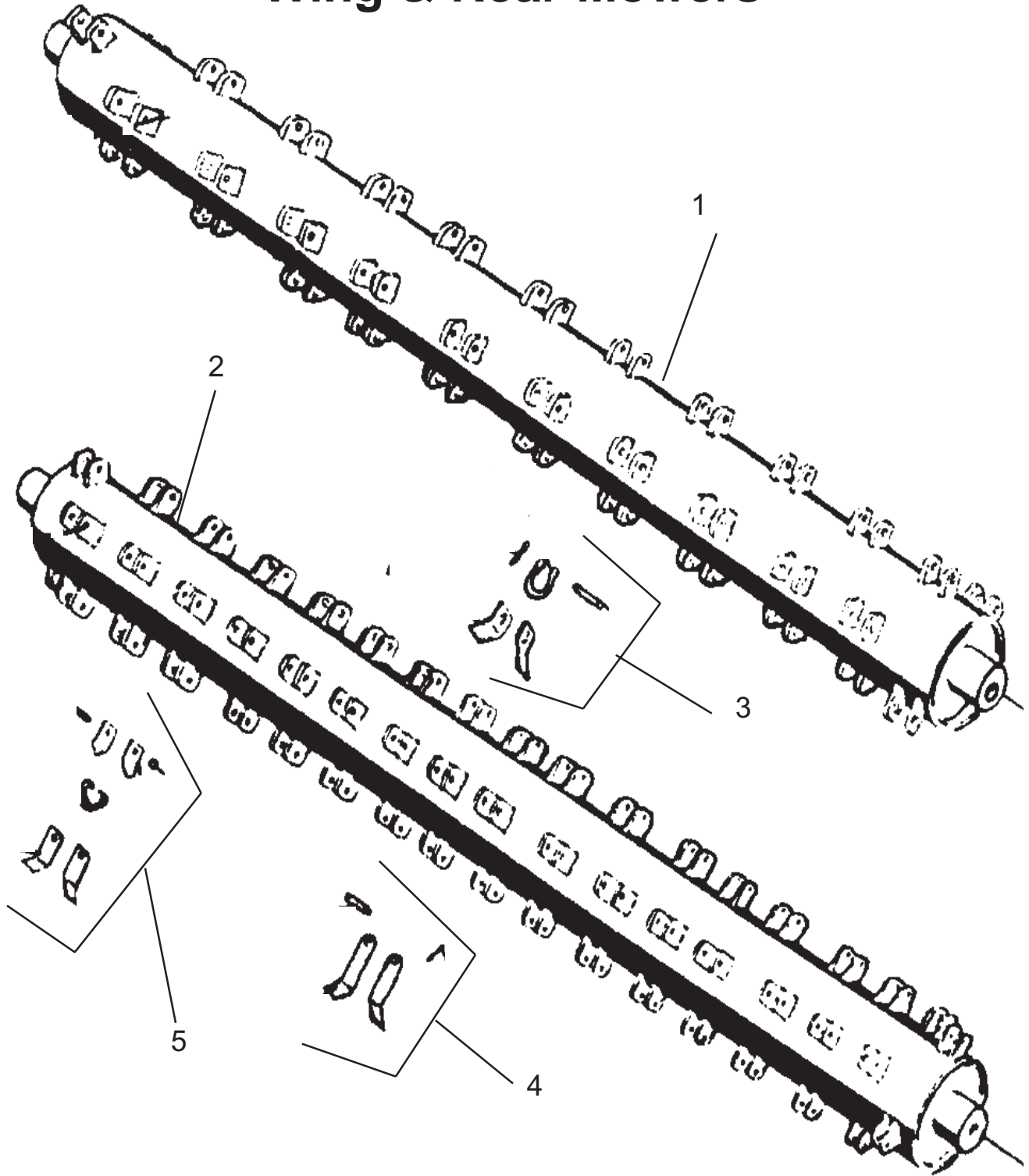
**Note:** Most Cutter Shafts will be replaced by more current P/N which may be longer, Bearings use during this time are shipped as Kit with Spacers and Bolts to change to newer & Longer ShaftsShafts.

Nov. 1990  
to  
Current

# CUTTERSHAFT & KNIVES

SEE  
S/N Ship Dates  
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## Wing & Rear Mowers





Feb. 1989  
to  
Current

# CUTTERSHAFT & KNIVES

SEE  
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in Back of Book

## Wing & Rear Mowers

### Coarse Cut Cutter Shaft (CC)

Item	Part No.	Qty	Qty	Qty	Qty	Qty	Description
		50"	62"	74"	88"	96"	
1	108186	1	--	--	--	--	Cuttershaft Weldment, CC
	107123	--	1	--	--	--	Cuttershaft Weldment, CC
	107124	--	--	1	--	--	Cuttershaft Weldment, CC
	107125	--	--	--	1	--	Cuttershaft Weldment, CC
	107745	--	--	--	--	1	Cuttershaft Weldment, CC
3	100759	60	72	72	88	96	Knife, CC (Std)
	105319M	60	72	72	88	96	Knife, CC ES Sheared Edge (Option)
	108381	60	72	72	88	96	Knife, CC ES Forged Edge (Option)
	100761	30	36	36	44	48	Ring, (CC Knife)
	102670	30	36	36	44	48	Pin, Hardened (CC Knife)
	000026	30	36	36	44	48	Cotter Pin (CC Knife)

### Fine Cut Cutter Shaft (FC)

Item	Part No.	Qty	Qty	Qty	Qty	Qty	Description
		50"	62"	74"	88"	96"	
2	108187	1	--	--	--	--	Cuttershaft Weldment, FC
	107127	--	1	--	--	--	Cuttershaft Weldment, FC
	107128	--	--	1	--	--	Cuttershaft Weldment, FC
	107129	--	--	--	1	--	Cuttershaft Weldment, FC
	107789	--	--	--	--	1	Cuttershaft Weldment, FC
4	102086	138	152	184	216	246	Knife, FC Pin Mounted (Std)
	101034	69	76	92	108	123	Pin, Hardened (FC Knife)
	000026	69	76	92	108	123	Cotter Pin (FC Knife)
5	101993	138	152	184	216	246	Knife, FC Ring Mounted (Option)
	101991	69	76	92	108	123	Ring, FC Knife Ring Mounted
	102650	138	152	184	216	246	Ring Clip, FC Knife Ring Mounted
	000032	69	76	92	108	123	Bolt, FC Knife Ring Mounted
	000210	69	76	92	108	123	Locknut, FC Knife Ring Mounted

To ID Cutter Shaft Measure Length End to End (Includes Bearing Shafts)  
OR count the Blade Lugs welded to shaft, Lug Qty will match Blade Qty.

Shaft	Type	Length	Size	Shaft	Type	Length	Size
107123	CC	66.03	62"	107129	FC	93.25"	88"
107124	CC	80.12"	74"	107745	CC	101.5"	96"
107125	CC	93.25"	88"	107789	FC	101.5"	96"
107127	FC	66.12"	62"	108186	CC	56.12"	50"
107128	FC	80.12"	74"	108187	FC	56.12"	50"

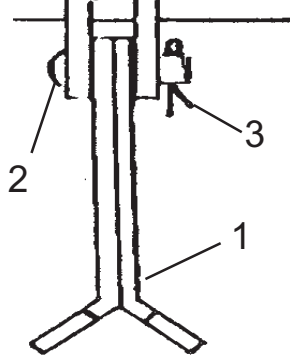
Feb. 1989  
to  
Current

# Cutter Shaft Knives

SEE  
S/N Ship Dates  
in Back of Book

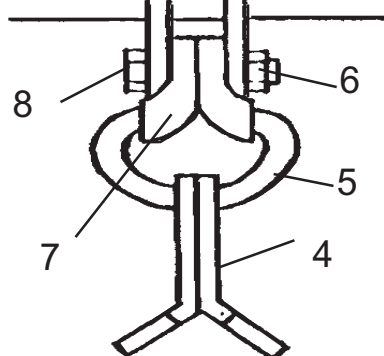
50" - 62" - 74" - 88" 96"

FINE CUT  
(FC)  
CUTTERSHAFT  
ONLY



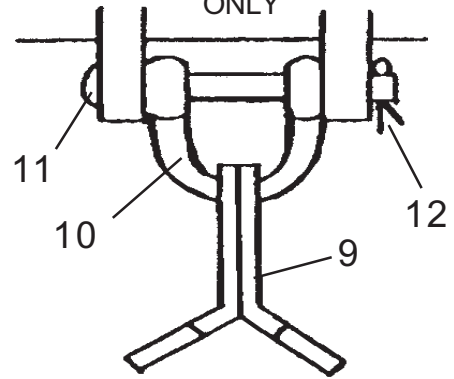
FC  
Pin Mounted  
P/N 102086 (FC)  
P/N 102087 (Renv)

FINE CUT  
(FC)  
CUTTERSHAFT  
ONLY



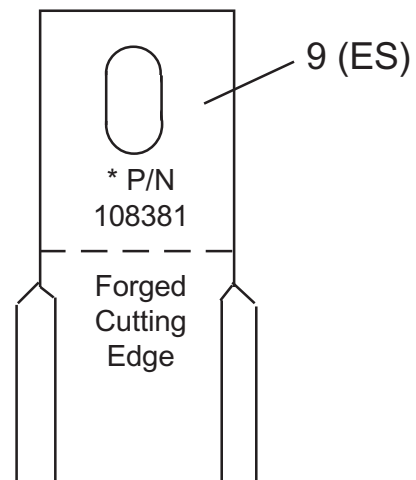
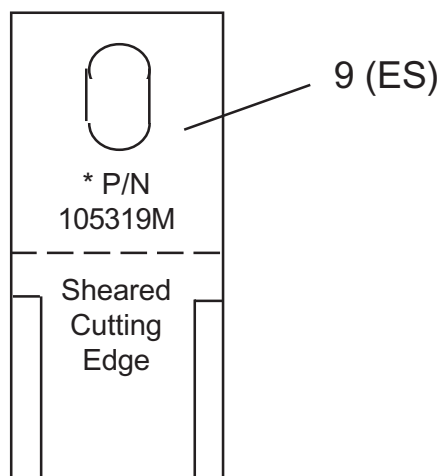
FC  
Ring Mounted  
P/N 101993

COARSE CUT  
(CC)  
CUTTERSHAFT  
ONLY



CC  
Ring Mounted  
P/N 100759 (Std.)or  
P/N \*105319M (ES) or  
P/N \*108381 (ES)  
P/N 103026 (Renv)

\*COARSE CUT EXTREME SERVICE (ES or HD) KNIVES



**IMPORTANT NOTE:**  
DO NOT MIX THESE BLADES AS THEY DO NOT HAVE SAME WEIGHT

Feb. 1989  
to  
Current

# Cutter Shaft Knives

SEE  
S/N Ship Dates  
in Back of Book

50" - 62" - 74" - 88" 96"

Qty Listed is Per Hanger or Knife Bulk Pkg.

Item	Part No.	Qty	Description
1	<b>102086</b>	<b>2</b>	<b>FC Knife, Pin Mounted, (Standard)</b>
	800141	1-ref	Bulk Pkg, 2500 of 102086 Knife
	702333	1-ref	Bulk Pkg, 5000 of 102086 Knife
	<b>102087</b>	<b>1</b>	<b>Renovating Knife, (Dettaching), Not Shown</b>
2	101034	1	Pin, Hardened
3	02668700	1	Cotter Pin
4	<b>101993</b>	<b>2</b>	<b>FC Knife, Ring Mounted, (Rock &amp; Trash Knife)</b>
	800036	1-ref	Bulk Pkg, 100 of 101993 Knife
	701032	1-ref	Bulk Pkg, 500 of 101993 Knife
	800142	1-ref	Bulk Pkg, 2500 of 101993
5	101991	1	Ring Hanger (Fine Cut)
6	000210	1	Locknut
7	102650	2	Ring Clips
8	000032	1	Bolt
9	<b>100759</b>	<b>2</b>	<b>CC Knife, Standard</b>
	800044	1-ref	Buk Pkg, 100 of 100759 Knife
	800140	1-ref	Bulk Pkg, 2500 of 100759 Knife
	702332	1-ref	Bulk Pkg, 5000 of 100759 Knife
	<b>105319M</b>	<b>2</b>	<b>*CC Knife, ES (Thicker than Std. W/ Sheared cutting Edge)</b>
	702658	1-ref	*Bulk Pkg, 2000 of 105319M Knife
	703865	1-ref	*Bulk Pkg, 4000 of 105319M Knife
	<b>108381</b>	<b>2</b>	<b>*CC Knife, ES (Thicker than Std. W/ Forged cutting Edge)</b>
	702658A	1-ref	*Bulk Pkg, 2000 of 108381 Knife
	703865A	1-ref	*Bulk Pkg, 4000 of 108381 Knife
	<b>103026</b>	<b>1</b>	<b>Renovating Knife, (Dettaching), Not Shown</b>
10	100761	1	Ring Hanger (Coarse Cut)
11	102670	1	Pin, Hardened
12	02668700	1	Cotter Pin

**IMPORTANT NOTE:** See Previous Pages and Mower Parts Section for Detailed Knife Packages for Each Mower Size. DO NOT MIX Styles of Knives on Cutter Shaft because it WILL Cause a Balance Problem, Fine Cut Knife WILL NOT Fit Coarse Cut Cutter Shaft and Coarse Cut Knife WILL NOT fit Fine Cut Cutter Shaft. Bulk Knife Packages are listed for a Bulk Stock Parts Order availability reference. \*DO NOT Mix ES (Extreme Service Knife) with Sheared & Forged Cutting Edges it will Cause a Balance Problem. Renovating (dettaching) Knives only use 1 Kife Per Hanger and are straight (No Bends).

Feb. 1989  
to  
Current

# Cutter Shaft Knives

SEE  
S/N Ship Dates  
in Back of Book

50" - 62" - 74" - 88" 96"

## OPTIONAL EQUIPMENT, ACCESSORIES, AND PACKAGES

### 50" KNIFE PKG. - (Wing Only)

701693 FC Knife Pkg, Std. (Pin Mounted) - Uses Knife # 102086  
700514 FC Knife Pkg, Detatching (Pin Mounted) - Uses Knife # 102087  
701694 FC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 101993  
N/A FC Knife Pkg, Detatching (Ring Mounted) - N/A Use Pkg. # 700515 Pin Mounted  
701431 CC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 100759 (Standard)  
702254 CC Knife Pkg, ES\* (Ring Mounted) - Uses Knife # 105319M (Extreme Service\*)  
702254A CC Knife Pkg, ES\* (Ring Mounted) - Uses Knife # 108381 (Extreme Service\*)  
701776 CC Knife Pkg, Detatching (Ring Mounted) - Uses Knife # 103026

### 62" KNIFE PKG. - (Wing Only)

701654 FC Knife Pkg. Std. (Pin Mounted) - Uses Knife # 102086  
700515 FC Knife Pkg, Detatching (Pin Mounted) - Uses Knife # 102087  
701655 FC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 101993  
N/A FC Knife Pkg, Detatching (Ring Mounted) - N/A Use Pkg. # 700515 Pin Mounted  
700616 CC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 100759  
702255 CC Knife Pkg, ES\* - Uses Knife # 105319M (Extreme Service\*)  
702255A CC Knife Pkg, ES\* - Uses Knife # 108381 (Extreme Service\*)  
701777 CC Knife Pkg, Detatching (Ring Mounted) - Uses Knife # 103026

### 74" KNIFE PKG. - (Wing Only)

700553 FC Knife Pkg. Std. (Pin Mounted) - Uses Knife # 102086  
700516 FC Knife Pkg, Detatching (Pin Mounted) - Uses Knife # 102087  
700801 FC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 101993  
N/A FC Knife Pkg, Detatching (Ring Mounted) - N/A Use Pkg. # 700515 Pin Mounted  
700616 CC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 100759  
702255 CC Knife Pkg, ES\* - Uses Knife # 105319M (Extreme Service\*)  
702255A CC Knife Pkg, ES\* - Uses Knife # 108381 (Extreme Service\*)  
701777 CC Knife Pkg, Detatching (Ring Mounted) - Uses Knife # 103026

### 88" KNIFE PKG. - (Wing or Rear)

700496 FC Knife Pkg. Std. (Pin Mounted) - Uses Knife # 102086  
700517 FC Knife Pkg, Detatching (Pin Mounted) - Uses Knife # 102087  
700803 FC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 101993  
N/A FC Knife Pkg, Detatching (Ring Mounted) - N/A Use Pkg. # 700515 Pin Mounted  
700592 CC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 100759  
702256 CC Knife Pkg, ES\* - Uses Knife # 105319M (Extreme Service\*)  
702256A CC Knife Pkg, ES\* - Uses Knife # 108381 (Extreme Service\*)  
701778 CC Knife Pkg, Detatching (Ring Mounted) - Uses Knife # 103026

INTERSTATER (Archive Book) 10/02

Feb. 1989  
to  
Current

# Cutter Shaft Knives

SEE  
S/N Ship Dates  
in Back of Book

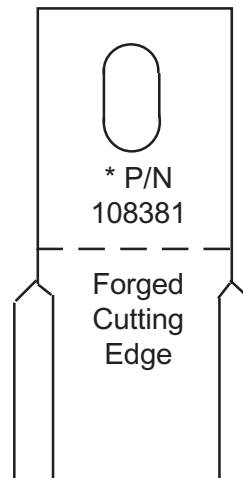
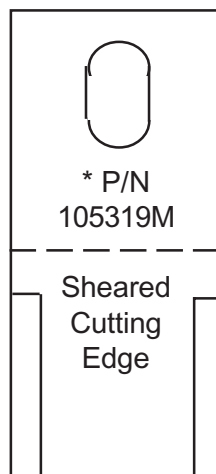
50" - 62" - 74" - 88" 96"

## OPTIONAL EQUIPMENT, ACCESSORIES, AND PACKAGES

### 96" KNIFE PKG. - (Rear Only)

- |         |  |
|---------|--|
| 701033  | FC Knife Pkg. Std. (Pin Mounted) - Uses Knife # 102086   |
| 703988  | FC Knife Pkg, Detatching (Pin Mounted) - Uses Knife # 102087   |
| 703986  | FC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 101993  |
| N/A     | FC Knife Pkg, Detatching (Ring Mounted) - N/A Use Pkg. # 700515 Pin Mounted  |
| 800044  | CC Knife Pkg, Std. (Ring Mounted) - Uses Knife # 100759 (Knives Only)<br>MUST Order Hardware for Knives as parts # 800044 Knife Pkg of 100 Knives is Knives ONLY, NO Mounting Hardware, For Mounting Hardware Order # 100761 Ring (qty 50) # 703873 Pin & Cotter Pin Bag of 50 pcs. ( qty 1) to make Knife Kit because Knife Pkg. # 800044 is Knives ONLY. |
| 703874  | CC Knife Pkg, ES* - Uses Knife # 105319M (Extreme Service*)  |
| 703874A | CC Knife Pkg, ES* - Uses Knife # 108381 (Extreme Service*)   |
| N/A     | CC Knife Pkg, Detatching (Ring Mounted) - Uses Knife # 103026  |

### \*COARSE CUT EXTREME SERVICE KNIVES



DO NOT MIX THESE BLADES AS THEY DO NOT HAVE SAME WEIGHT

### KNIFE GRINDER and KNIFE STRAIGHTENER

- |        |   |
|--------|---|
| 702321 | Knife Grinder (Sharpens all ALAMO GROUP flail mower knives) |
| 700413 | Knife Straightener Set (Two 102092 slotted bars)            |

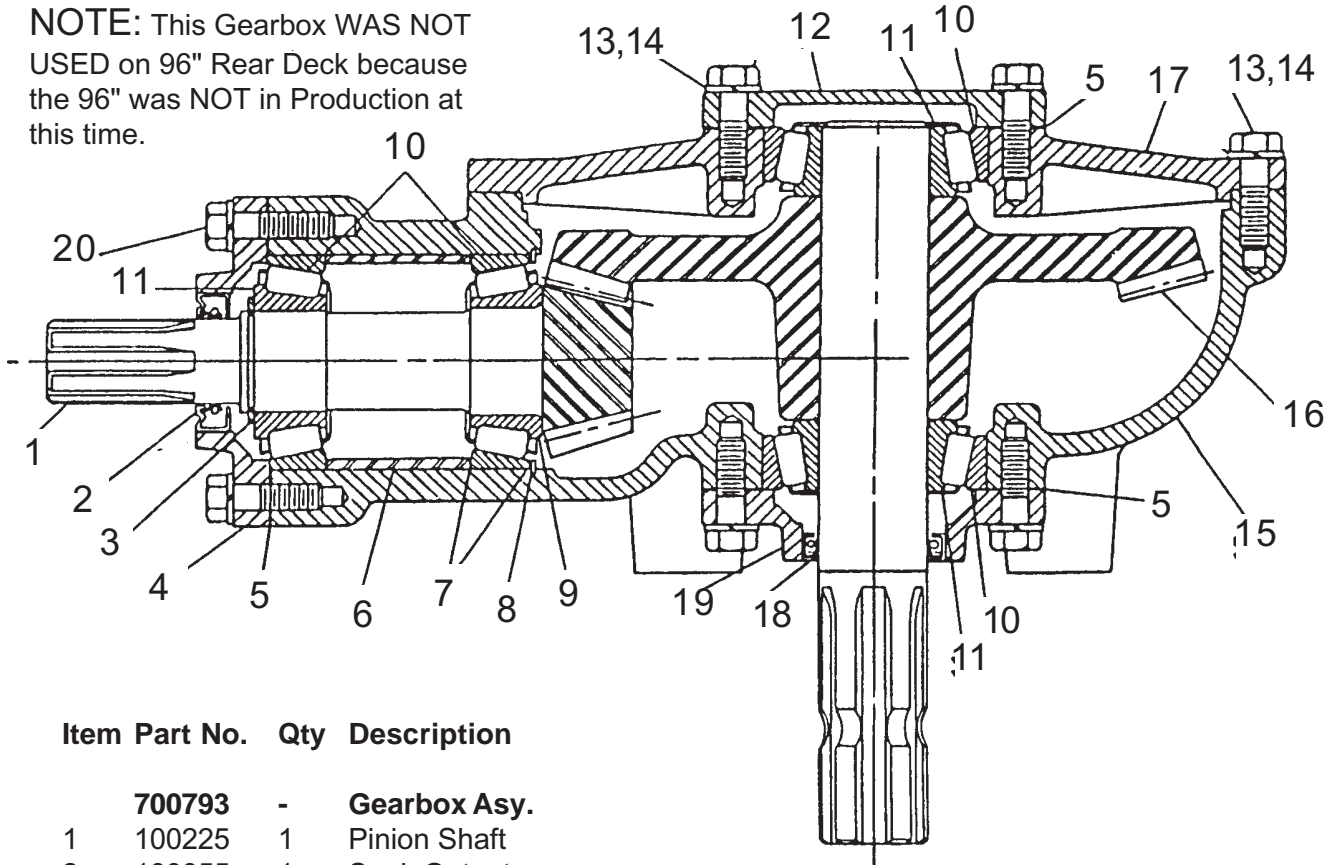
Feb. 1989  
to  
Aug 1990

# GEARBOX ASY. P/N 700493

SEE  
S/N Ship Dates  
in Back of Book

## Rear 88" Model Only

NOTE: This Gearbox WAS NOT USED on 96" Rear Deck because the 96" was NOT in Production at this time.



Item	Part No.	Qty	Description
	<b>700793</b>	-	<b>Gearbox Asy.</b>
1	100225	1	Pinion Shaft
2	100055	1	Seal, Output
3	000330	1	Seal Housing
4	100707	1	Spring Washer
5	100232	a/r	Shim (.020")
	100233	a/r	Shim (.007")
	100234	a/r	Shim (.005")
	100235	a/r	Shim (.002")
6	100241	1	Spacer
7	100237	a/r	Shim (.002")
	100238	a/r	Shim (.004")
	100239	a/r	Shim (.006")
	100240	a/r	Shim (.020")
8	000331	1	Retainer Ring
9	000329	1	Bearing, Cone
10	000327	4	Bearing, Cup

Item	Part No.	Qty	Description
11	000328	3	Bearing, Cone
12	100231	1	Bearing Cap
13	000354	16	Bolt
14	000019	20	Lockwasher
15	100228	1	Gear Housing
16	700495	1	Shaft & Gear Asy
17	100229	1	Housing Cover
18	100054	1	Seal, Input
19	100230	1	Seal Housing
20	000601	4	Bolt
21	000054	1	Pipe Plug, Level (N/S)
22	000055	1	Pipe Plug, Fill (N/S)

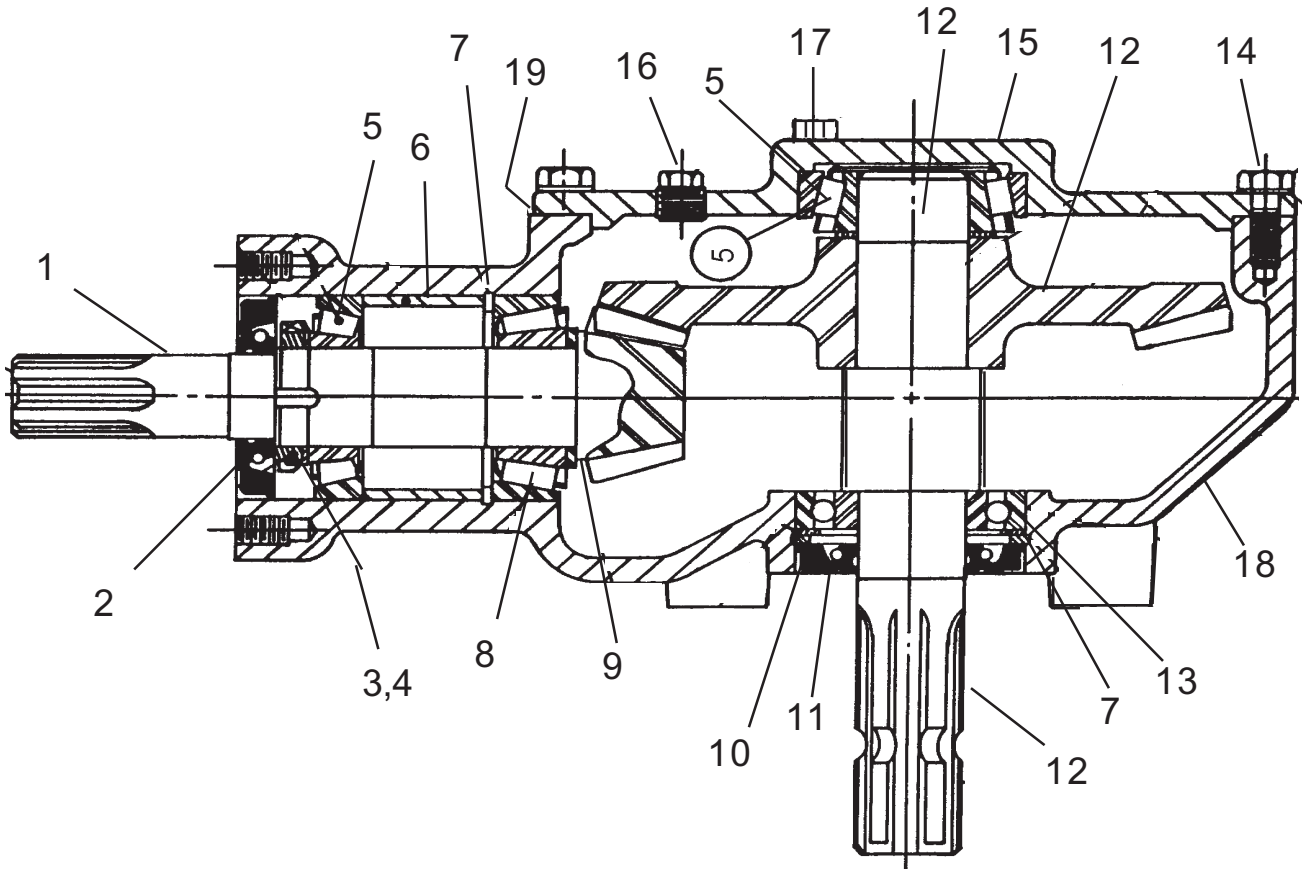
NOTE: This G/B Asy (P/N 700493) is replaced by later style as an Asy. Parts WILL NOT interchange between them. The easiest way to tell which G/B you have is by looking where the Shaft goes through the G/B Housing, The Old Style had Bolt on Caps Here and the new style will not.

Sep. 1990  
to  
Current

# GEARBOX ASY. P/N 702673

SEE  
S/N Ship Dates  
in Back of Book

## Rear 88" or 96" Model



Item	Part No.	Qty	Description
	<b>702673</b>	-	<b>Gearbox Asy.</b>
1	001718	1	Pinion
2	001719	1	Seal
3	001717	1	Nut
4	001720	1	Spring Washer
5	00754757	2	Bearing, Roller
6	001716	1	Spacer
7	00754752	2	Circlip, Internal
8	001722	1	Bearing, Roller
9	00753222	2	Shim
10	00754761	1	Shim

Item	Part No.	Qty	Description
11	001724	1	Seal
12	001725	1	Shaft & Gear
13	00754459	1	Bearing, Ball
14	001708	8	Bolt
15	001710	1	Cover
16	00755633	2	Plug
17	000055	2	Plug, Drain
18	002516	1	Housing
19*	00769800	1	Gasket (See * NOTE:)

\* NOTE: Some Models Used Gaskets. Currently All Models Use Sealant, or Form - A - Gasket.

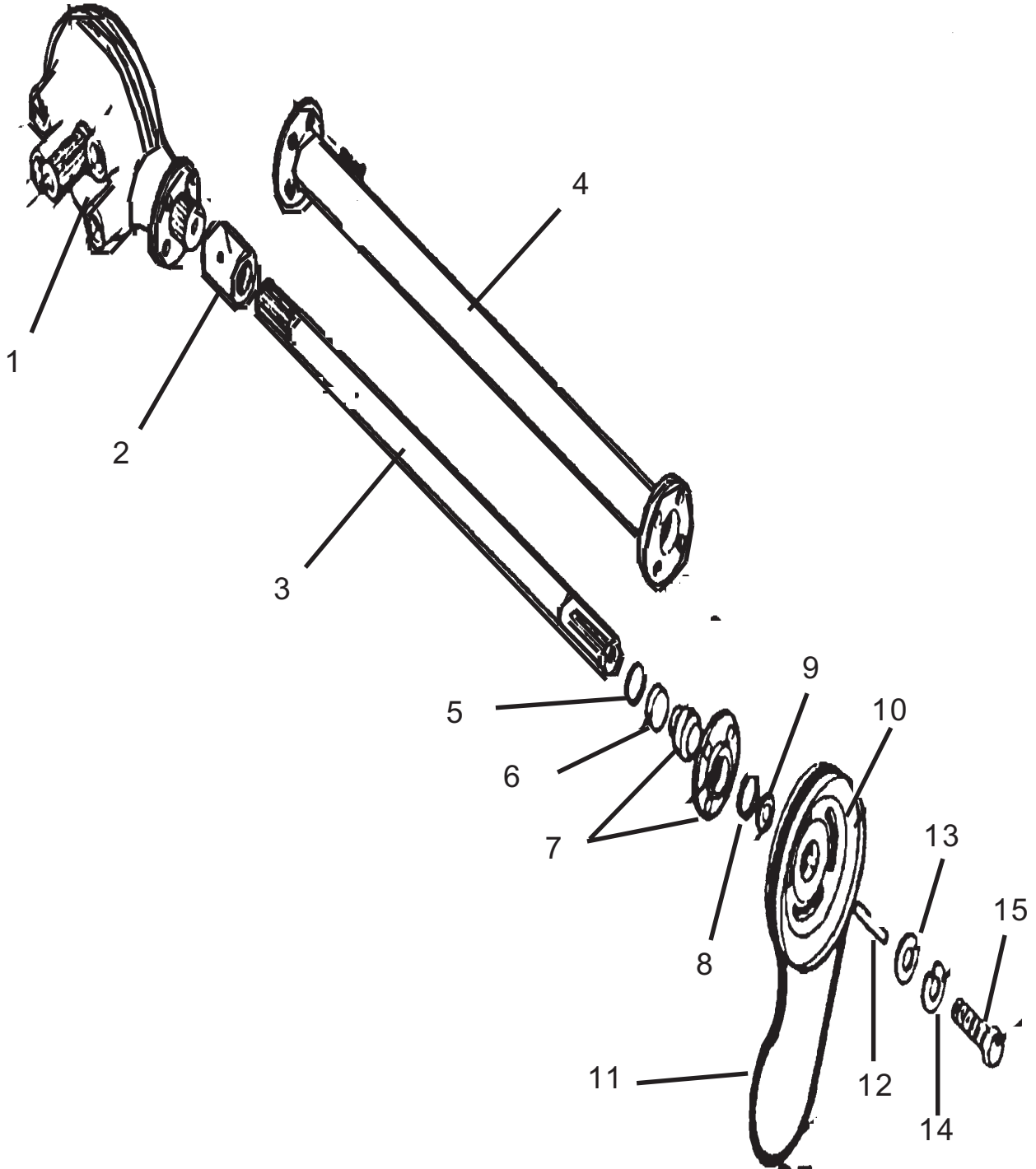
NOTE: This G/B Asy (P/N 702673) Can replace earlier style as an Asy but parts WILL NOT interchange between them. The easiest way to tell which G/B you have is by looking were the Shaft goes through the G/B Housing, The Old Style had Bolt on Caps Here and the new style will not.

INTERSTATER (Archive Book) 10/02

Feb. 1989  
to  
Current

# G/B EXT'N SHAFT Asy. 88" Model

SEE  
S/N Ship Dates  
in Back of Book





Feb. 1989  
to  
Current

# G/B EXT'N SHAFT Asy. 88" Model

SEE  
S/N Ship Dates  
in Back of Book

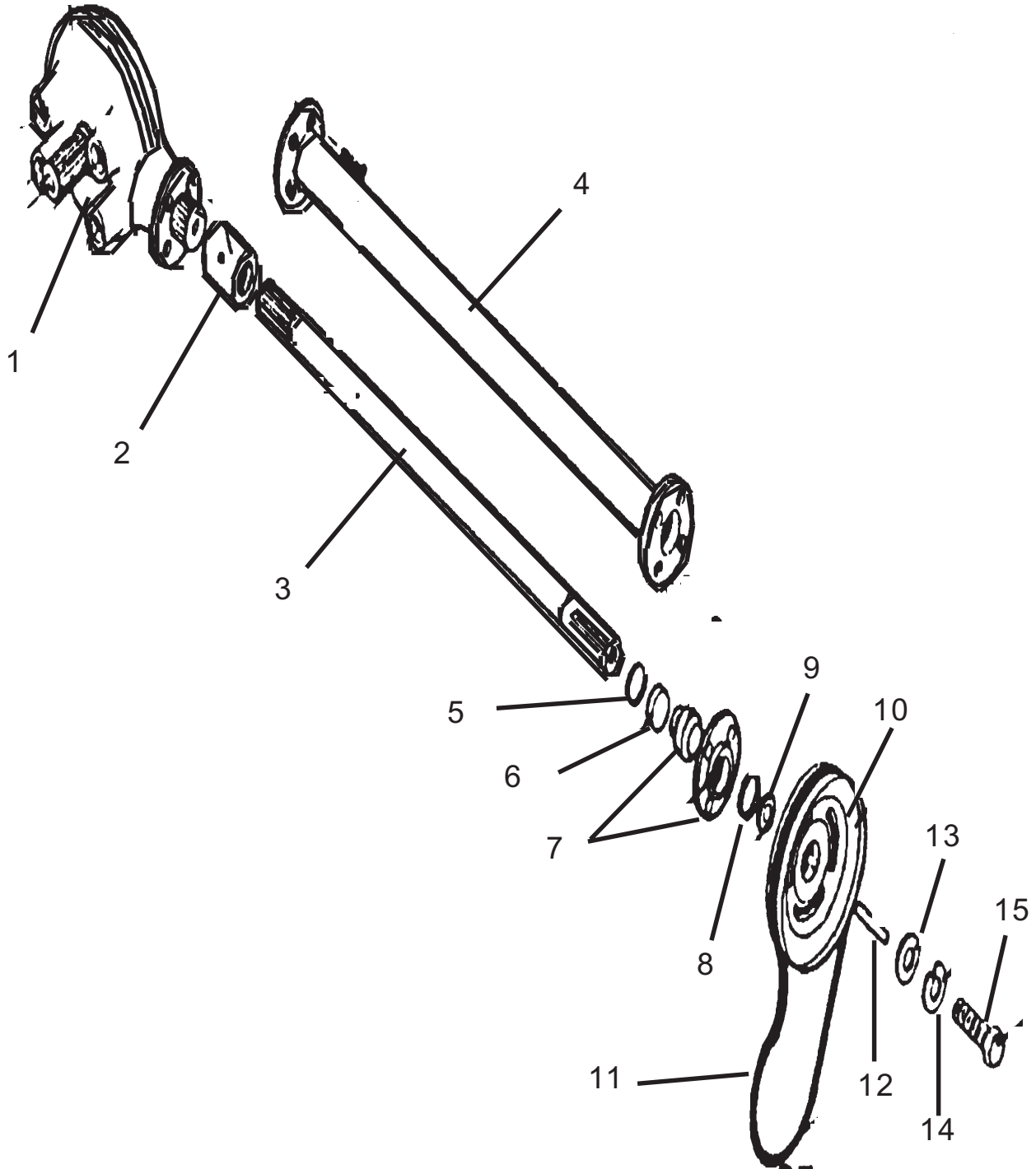
Item	Part No.	Center		Offset - Right						Description
		Fwd	Rev	3.5"	6.5"	8.5"	14.5"	20.5"	26.5"	
	700489	1	1	-	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	701454	-	-	1	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	700523	-	-	-	1	-	-	-	-	Gearbox & Extension Shaft Asy.
	701457	-	-	-	-	1	-	-	-	Gearbox & Extension Shaft Asy.
	701455	-	-	-	-	-	1	-	-	Gearbox & Extension Shaft Asy.
	701554	-	-	-	-	-	-	1	-	Gearbox & Extension Shaft Asy.
	703757	-	-	-	-	-	-	-	1	Gearbox & Extension Shaft Asy.
1	700493	1	1	1	1	1	1	1	1	Gearbox Asy. (08/90 & Down)
	702673	1	1	1	1	1	1	1	1	Gearbox Asy ( 09/90 & Up)
2	700171	1	1	1	1	1	1	1	1	Spline Coupler Asy. w/ Grease Fitting
	001227	4	4	4	4	4	4	4	4	Counter Bore Screw
	000019	4	4	4	4	4	4	4	4	Lockwasher
3	100724	1	1	-	-	-	-	-	-	Extension Shaft (36-1/32" Long)
	100159	-	-	1	-	-	-	-	-	Extension Shaft (39-11/16" Long)
	100778	-	-	-	1	-	-	-	-	Extension Shaft (29-7/16" Long)
	100287	-	-	-	-	1	-	-	-	Extension Shaft (27-11/16" Long)
	100288	-	-	-	-	-	1	-	-	Extension Shaft (21-11/16" Long)
	100286	-	-	-	-	-	-	1	-	Extensio hafS (15-11/16" Long)
	107540	-	-	-	-	-	-	-	1	Extension Shaft (9-11/16" Long)
4	100721	1	1	-	-	-	-	-	-	Extension Shaft Hsg. (36-1/8" Long)
	102872	-	-	1	-	-	-	-	-	Extension Shaft Hsg. (39-5/8" Long)
	100776	-	-	-	1	-	-	-	-	Extension Shaft Hsg. (29-9/16" Long)
	102804	-	-	-	-	1	-	-	-	Extension Shaft Hsg. (27-5/8" Long)
	102874	-	-	-	-	-	1	-	-	Extension Shaft Hsg. (21-5/8" Long)
	102637	-	-	-	-	-	-	1	-	Extension Shaft Hsg. (15-5/8" long)
	107541	-	-	-	-	-	-	-	1	Extension Shaft Hsg. (9-5/8" Long)
5	100010	1	1	1	1	1	1	1	1	Bevel Ring
6	100057	1	1	1	1	1	1	1	1	Snap Ring
7	700491	1	1	1	1	1	1	1	1	Bearing & Hsg Asy. (w/ Items below)
	000398	1	1	1	1	1	1	1	1	Bearing Only
	700739	1	1	1	1	1	1	1	1	Bearing Housing Only
	000206	1	1	1	1	1	1	1	1	Lubricap
	000937	4	4	4	4	4	4	4	4	Bolt
	00752036	4	4	4	4	4	4	4	4	Nut
8	000402	1	1	1	1	1	1	1	1	Bearing Retaining Ring
9	102651	3	3	3	3	3	3	3	3	Pulley Shim (Use Qty As Needed)
10	102501	1	1	1	1	1	1	1	1	Pulley, Top Shaft Drive
11	100706	1	1	1	1	1	1	1	1	Drive Belt
12	101782	1	1	1	1	1	1	1	1	Key
13	101780	1	1	1	1	1	1	1	1	Heavy Flat Washer
14	000520	1	1	1	1	1	1	1	1	Lockwasher
15	000555	1	1	1	1	1	1	1	1	Bolt

**NOTE:** Offset Models Listed are Offset to Right, To ID Forward Rotation Drive Belt is to the Left Side, Reverse Rotation Drive Belt is on Right Side Standing Behind Unit looking toward Tractor. Item # 4 & # 5 Lengths are from End to End, Item # 4 includes welded on round Flanges on Ends in measurement, To ID which Unit you have, measure these Extension Shafts or Housings.

Oct. 1992  
to  
Current

# G/B EXTENSION SHAFT ASY.

SEE  
S/N Ship Dates  
in Back of Book



**NOTE:** Offset Models Listed are Offset to Right Except for 1 which is Offset to Left. To ID Forward Rotation Drive Belt is to the Left Side, Reverse Rotation Drive Belt is on Right Side Standing Behind Unit looking toward Tractor. Item # 4 & # 5 Lengths are from End to End, Item # 4 includes welded on round Flanges on Ends in measurement, To ID which Unit you have, measure these Extension Shafts or Housings.

Oct. 1992  
to  
Current

# G/B EXT'N SHAFT Asy. 96" Model

SEE  
S/N Ship Dates  
in Back of Book

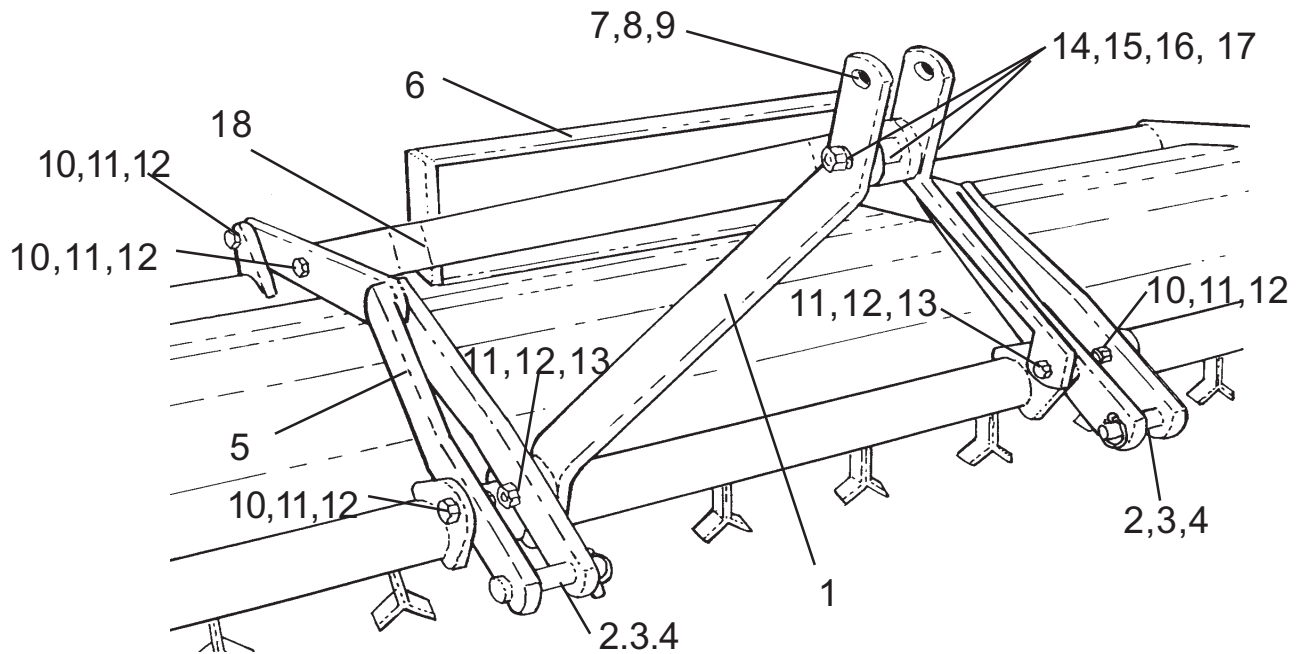
Item	Part No.	Center		Offset -----							Description
		Rotation	Rotation	RT	RT	RT	RT	RT	RT	LT	
		Fwd	Rev	10.5"	12.5"	18.5"	24.5"	30.5"	32.5"	16.37"	
	703946	1	1	-	-	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	700523	-	-	1	-	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	701457	-	-	-	1	-	-	-	-	-	Gearbox & Extension Shaft Asy.
	701455	-	-	-	-	1	-	-	-	-	Gearbox & Extension Shaft Asy.
	700554	-	-	-	-	-	1	-	-	-	Gearbox & Extension Shaft Asy.
	703757	-	-	-	-	-	-	1	-	-	Gearbox & Extension Shaft Asy.
	704367	-	-	-	-	-	-	-	1	-	Gearbox & Extension Shaft Asy.
	703854	-	-	-	-	-	-	-	-	1	Gearbox Extension Shaft Asy. O/S LH
1	702673	1	1	1	1	1	1	1	1	1	Gearbox Asy
2	700171	1	1	1	1	1	1	1	1	1	Spline Coupler Asy. w/ Grease Fitting
	001227	4	4	4	4	4	4	4	4	4	Counter Bore Screw
	000019	4	4	4	4	4	4	4	4	4	Lockwasher
3	107748	1	1	-	-	-	-	-	-	-	Extension Shaft (40-5/32" Long)
	100778	-	-	1	-	-	-	-	-	-	Extension Shaft (29-7/16" Long)
	100287	-	-	-	1	-	-	-	-	-	Extension Shaft (27-11/16" Long)
	100288	-	-	-	-	1	-	-	-	-	Extension Shaft (21-11/16" Long)
	100286	-	-	-	-	-	1	-	-	-	Extension Shaft (15-11/16" Long)
	107540	-	-	-	-	-	-	1	-	-	Extension Shaft (9-11/16" Long)
	108374	-	-	-	-	-	-	-	1	-	Extension Shaft (7-9/16" Long)
	107563	-	-	-	-	-	-	-	-	1	Extension Shaft (56-17/32" Long)
4	107747	1	1	-	-	-	-	-	-	-	Extension Shaft Hsg. (40-1/4" Long)
	100776	-	-	1	-	-	-	-	-	-	Extension Shaft Hsg. (29-9/16" Long)
	102804	-	-	-	1	-	-	-	-	-	Extension Shaft Hsg. (27-5/8" Long)
	102874	-	-	-	-	1	-	-	-	-	Extension Shaft Hsg. (21-5/8" Long)
	102637	-	-	-	-	-	1	-	-	-	Extension Shaft Hsg. (15-5/8" Long)
	107541	-	-	-	-	-	-	1	-	-	Extension Shaft Hsg. (9-5/8" Long)
	108376	-	-	-	-	-	-	-	1	-	Extension Shaft Hsg. (7-1/8" Long)
	107564	-	-	-	-	-	-	-	-	1	Extension Shaft Hsg. (56-5/8" Long)
5	100010	1	1	1	1	1	1	1	1	1	Bevel Ring
6	100057	1	1	1	1	1	1	1	1	1	Snap Ring
7	700491	1	1	1	1	1	1	1	1	1	Bearing & Hsg Asy. (w/ Items below)
	000398	1	1	1	1	1	1	1	1	1	Bearing Only
	700739	1	1	1	1	1	1	1	1	1	Bearing Housing Only
	000206	1	1	1	1	1	1	1	1	1	Lubricap
	000937	4	4	4	4	4	4	4	4	4	Bolt
	00752036	4	4	4	4	4	4	4	4	4	Nut
8	000402	1	1	1	1	1	1	1	1	1	Bearing Retaining Ring
9	102651	3	3	3	3	3	3	3	3	3	Pulley Shim (Use Qty As Needed)
10	102501	1	1	1	1	1	1	1	1	1	Pulley, Top Shaft Drive
11	100706	1	1	1	1	1	1	1	1	1	Drive Belt
12	101782	1	1	1	1	1	1	1	1	1	Key
13	101780	1	1	1	1	1	1	1	1	1	Heavy Flat Washer
14	000520	1	1	1	1	1	1	1	1	1	Lockwasher
15	000555	1	1	1	1	1	1	1	1	1	Bolt

Mar. 1988  
to  
May 2001

# A-FRAME & G/B MOUNT

SEE  
S/N Ship Dates  
in Back of Book

## 88" - 96" Model



Item	Part NO.	Qty	Description
1	103715	2	A-Frame Up-Right, LH or RH
2	100743	2	Lower Hitch Pin
3	000333	2	Click Pin, F/ Lower Hitch pin
4	103716	2	Bushing, Lower (Convert f/ Cat I to Cat II Pin)
5	102658	2	Overarm, LH or RH
6	103713	1	Gearbox Mounting Frame
7	101779	1	Top Hitch Pin (Not Shown)
8	102549	1	Quick Pin, F/ Top Hitch Pin
9	103717	1	Bushing, Upper (Convert Cat I to Cat II Top Hitch Pin)
10	00008300	6	Bolt, Overarm Connecting
11	000521	8	Lockwasher, Use w/ Item 10 & 13
12	00010400	8	Nut, Use w/ Item 10 & 13
13	00750952	2	Bolt, Overarm & A-Frame Connecting
14	000874	1	Bolt, Upper A-Frame Connecting
15	00003901	1	Lockwasher, Use w/ Item 14
16	00000200	1	Nut, Use w/ Item 14
17	102667	1	Spacer, Upper A-Frame Bolt
18	-----	2-ref	Gearbox Mounting arm & A-Frame Support ( This Part is Welded to Item # 6 as part of Gearbox Mounting Frame)

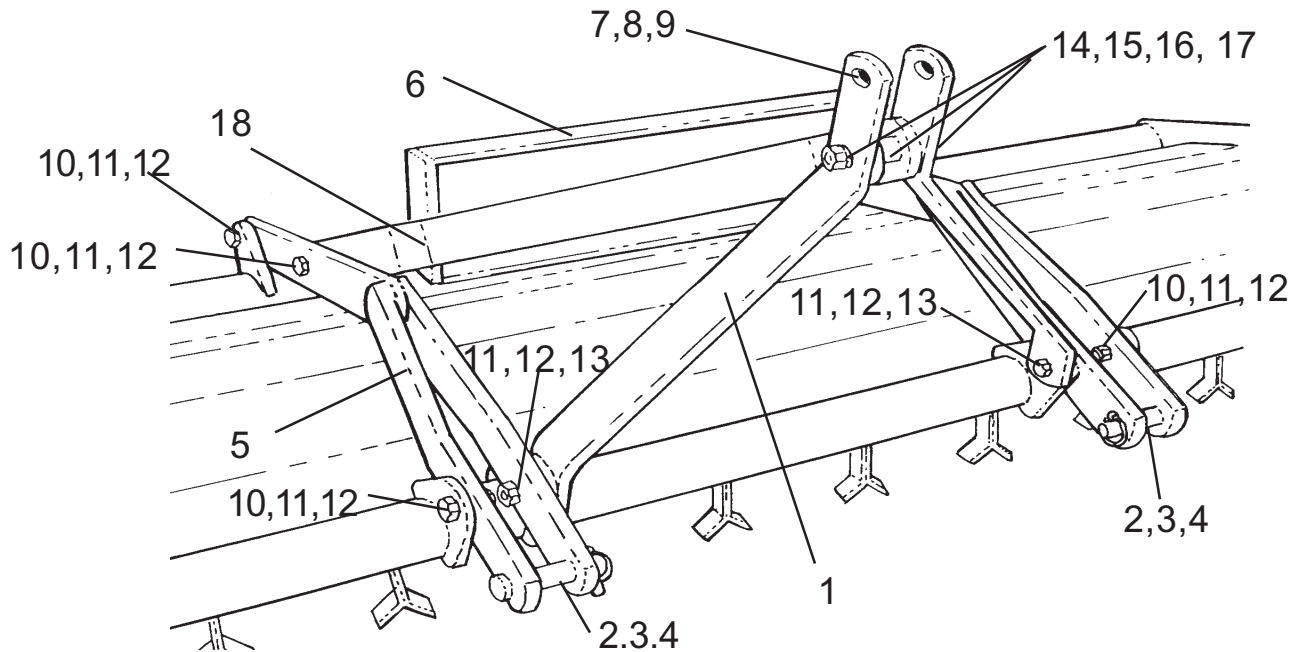
NOTE: Torque Item # 10 & 13 to 170 ft lbs. & Torque Item # 14 to 300 ft. lbs.

Jun. 2001  
to  
Current

# A-FRAME & G/B MOUNT

SEE  
S/N Ship Dates  
in Back of Book

## 88" - 96" Model



Item	Part NO.	Qty	Description
1	103715	2	A-Frame Up-Right, LH or RH
2	100743	2	Lower Hitch Pin
3	000333	2	Click Pin, F/ Lower Hitch pin
4	103716	2	Bushing, Lower (Convert f/ Cat I to Cat II Pin)
5	102658	2	Overarm, LH or RH
6	02977728	1	Bearbox Mounting Frame
7	101779	1	Top Hitch Pin (Not Shown)
8	102549	1	Quick Pin, F/ Top Hitch Pin
9	103717	1	Bushing, Upper (Convert Cat I to Cat II Top Hitch Pin)
10	00008300	6	Bolt, Overarm Connecting
11	000521	8	Lockwasher, Use w/ Item 10 & 13
12	00010400	8	Nut, Use w/ Item 10 & 13
13	00750952	2	Bolt, Overarm & A-Frame Connecting
14	000874	1	Bolt, Upper A-Frame Connecting
15	00003901	1	Lockwasher, Use w/ Item 14
16	00000200	1	Nut, Use w/ Item 14
17	102667	1	Spacer, Upper A-Frame Bolt
18	-----	2-ref	Gearbox Mounting arm & A-Frame Support ( This Part is Welded to Item # 6 as part of Gearbox Mounting Frame)

NOTE: Torque Item # 10 & 13 to 170 ft lbs. & Torque Item # 14 to 300 ft. lbs.

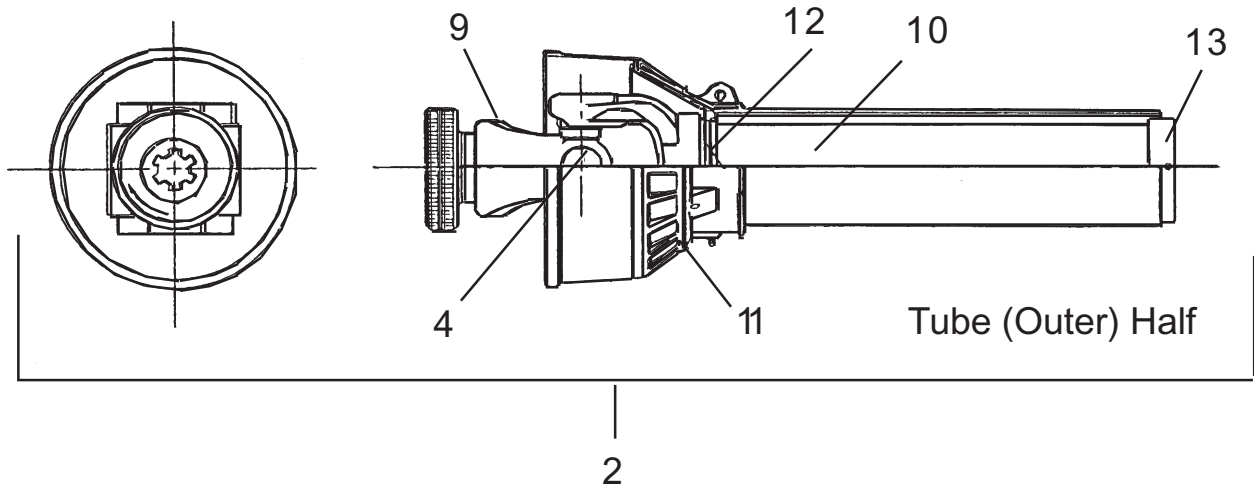
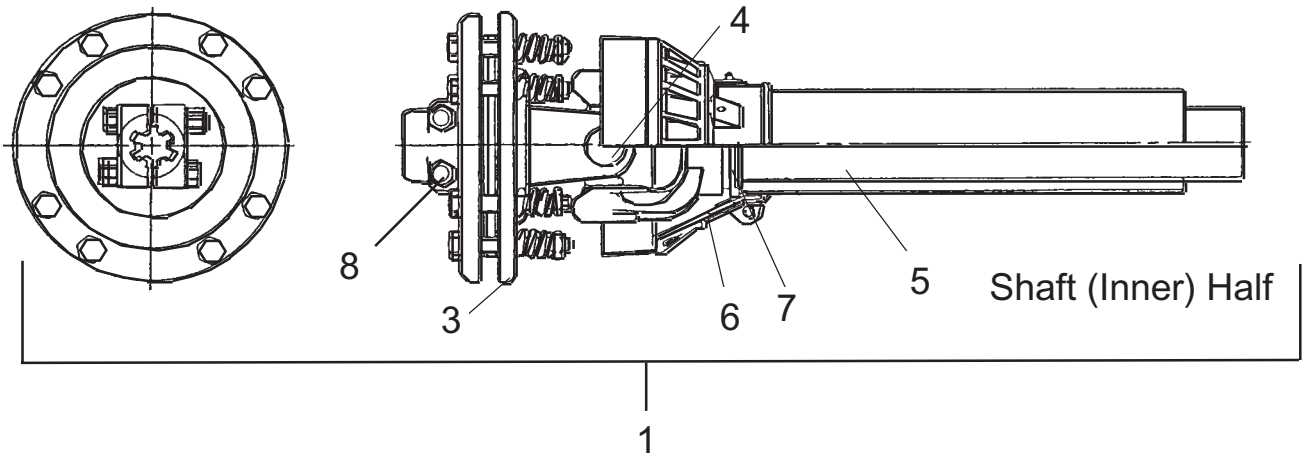
Jun. 1989  
to  
May 1990

# DRIVELINE ASY. P/N 702300

SEE  
S/N Ship Dates  
in Back of Book

## 88" Model Only

38" (OVERALL) COLLAPSED 51-1/2" (OVERALL) EXTENDED W/6" OVERLAP



Feb. 1989  
to  
May 1990

# DRIVELINE ASY. P/N 702300

SEE  
S/N Ship Dates  
in Back of Book

## 88" Model Only

Item	Part NO.	Qty	Description
	702300	–	Driveline Asy, Complete, (Items 1 & 2)
1	001746	1	Shaft Half Asy , Complete
2	001749	1	Tube Half Asy, Complete
3	001461	1	Slip Clutch Yoke Asy
4	001450	2	Cross & Bearing Kit
5	001460	1	Shaft & Yoke
6	001456	1	Shield Asy, Inner (W/#5)
7	001691	1	Locking Collar (Inner)
8	002027	A/R	*Pin & Nut, (Tapered) (*OR)
	00755600	A/R	*Bolt & Nut, (Hex Head)
9	001452	1	Yoke Asy, QD
10	001458	1	Tube & Yoke Weldment
11	001454	1	Shield Asy, Outer (W/#10)
12	001692	1	Locking Collar (Outer)
13	001814	1	Support Bearing

**38" (OVERALL) COLLAPSED 51-1/2" (OVERALL) EXTENDED W/6" OVERLAP**

**NOTE:** This Driveline WAS NOT USED on the 96" Model as the 96" Model WAS NOT in production at this time

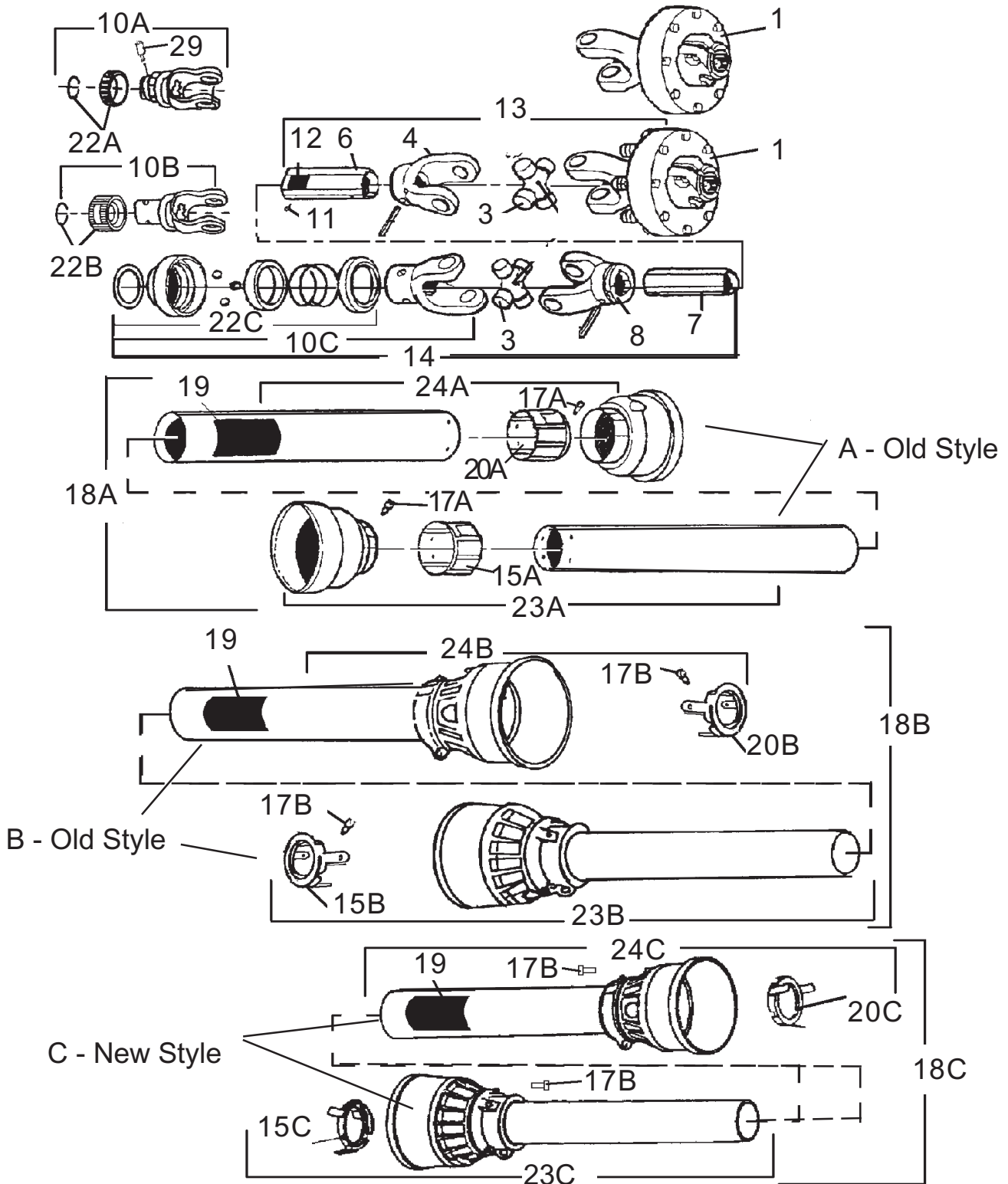
**NOTE:** Above Driveline (P/N 702300) has been replaced as an assembly by the later Type Driveline # 001863. Part s WILL NOT interchange between Drivelines, replace with later Driveline as an assembly.

Jun. 1990  
to  
Current

# DRIVELINE ASY. P/N 001863

SEE  
S/N Ship Dates  
in Back of Book

## 88" or 96" Model





Jun. 1990  
to  
Current

# DRIVELINE ASY. P/N 001863

SEE  
S/N Ship Dates  
in Back of Book

## 88" or 96" Model

Item	Part No.	Qty	Description
	<b>001863</b>	-	<b>Driveline Asy, Complete</b>
1	00759948	1-AR	Slip Clutch Asy, ( Has Metal Dirt Shield)
	00754320	1-AR	Slip Clutch Asy. (No Dirt Shield & Equal Spaced Holes)
	00754320A	1-AR	Slip Clutch Asy. (No Dirt Shield or Coil Springs)
	00769131	1-AR	Slip Clutch Asy. (No Dirt Shield & Un-Equal Spaced Holres)
3	00752896	2	Cross Kit Asy.
	00759517	2	Grease Zerk (Cross Kit)
4	00754154	1	Outer Tube Yoke
	00754167	1	Roll Pin (To Retain Tube to Yoke)
6	00760242	1	Outer Tube
7	00760243	1	Inner Tube
8	00754153	1	Inner Tube Yoke
	00754167	1	Roll Pin (To Retain Tube To Yoke)
10-A *	00759170	1-ref	Yoke Asy, Twist Collar W/ Pins (Use 10C)
10-B *	00768228	1-ref	Yoke Asy, Twist Collar W/Balls (Use 10C)
10-C	00752883	1	Yoke Asy, Slide Collar W/Balls
11	00754335	1	Grease Zerk (Tube)
12	00756004	1	Driveline Warning Label
13	00760244	1	Outer Half w/Slip Clutch
14	00760245	1	Inner Half Shaft w/1-3/8 - 6 Yoke
15-A *	00759216	1	Shield Brg, Inner (use with Metal screw)
15-B *	00754331	1	Shield Brg, Inner (
15-C	00763196	1	Shield Brg, Inner (New Style)
16	00759216	1	Inner Shield Bearing (use with set screw)
17-A *	00759217	2	Screw, Metal (Use w/ 23A & 24A )
17-B	00754330	2	Screw, Nylon (Use w/ 23B, 23C, 24B & 24C)
18-A *	-----	1-ref	Shield Asy, Complete (Use 18C)
18-B *	-----	1-ref	Shield Asy, Complete (Use 18C)
18-C	00760250A	1	Complete Shield
19	00756005	1	Driveline Shield Warning Label
20-A *	00759218	1	Shield Brg, Outer (use w/ 24A) "Old Style"
20-B *	00754332	1	Shield Brg, Outer (Use w/ 24B) "Old Style"
20-C	00763195	1	Shield Brg, Outer (Use w/ 24C) "New Style"
22-A *	00759119	1-ref	Q.D. Collar Kit, Twist (Pins)
22-B *	02969667	1-ref	Q.D. Collar Kit, Twist (Balls)
22-C	00757144	1	Q.D. Collar Kit, Slide (Balls) (Use W/10C)
23-A *	-----	1-ref	Shield Asy Half, Inner (Use 23C)
23-B *	-----	1-ref	Shield Asy Half, Inner (Use 23C)
23-C	00760248A	1	Shield Asy Half, Inner (New Style)
24-A *	-----	1-ref	Shield Asy Half, Outer (Use 24C)
24-B *	-----	1-ref	Shield Asy Half, Outer, (Use 24C)
24-C	00760249A	1	Shield Asy Half, Outer (New Style)

\* This Driveline Asy. (#001863) & The Type that was used before it (# 702300) will replace each other as an assembly only, Parts will not interchange between them.

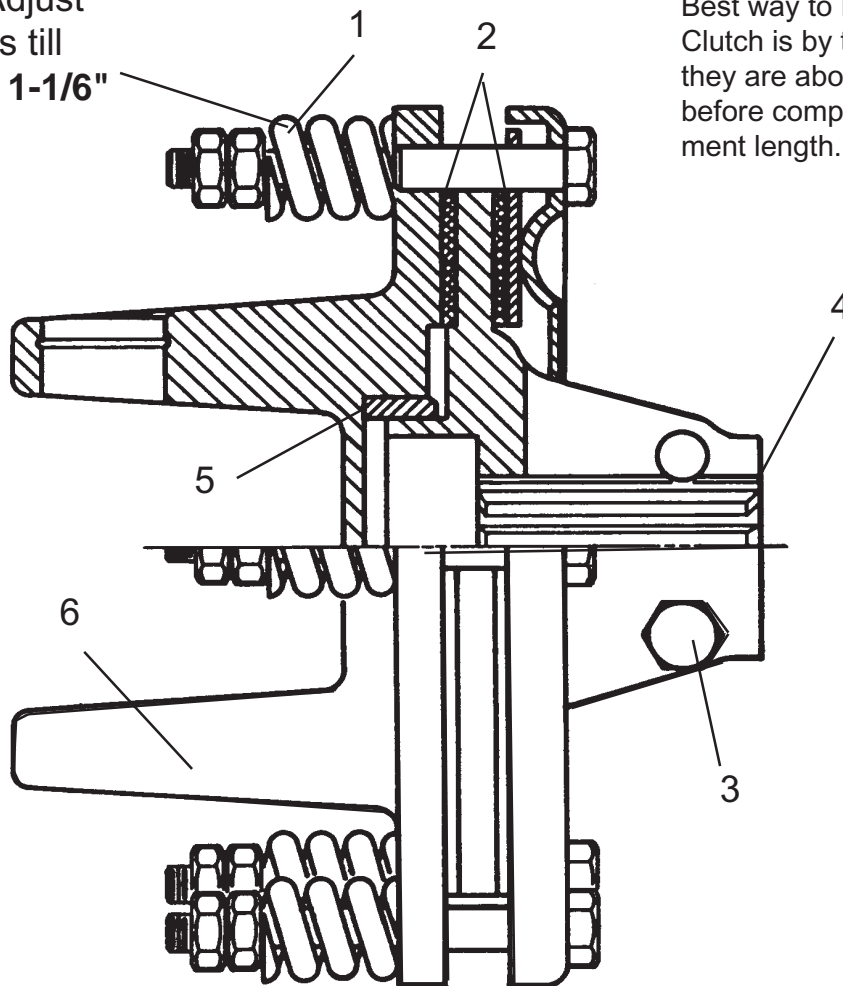
Feb. 1989  
to  
May 1990

# SLIP CLUTCH ASY. P/N 001461 88" Model

SEE  
S/N Ship Dates  
in Back of Book

NOTE: To Adjust  
Tighten Bolts till  
Springs are 1-1/6"  
length.

Best way to ID this Driveline  
Clutch is by the Spring length,  
they are about 1-3/16" long  
before compressed to adjust-  
ment length.



Item	Part No.	Qty	Description
	<b>001461</b>	-	<b>Slip Clutch Asy.</b>
1	001499	1	Spring Kit (w/ 8 spring & fasteners)
2	001500	2	Clutch Disk
3	002027	2	Tapered Pin & Nut (Replaces # 0020807)
4	001747	1	Splined Clutch Yoke
5	002467	1	Spacer
6	001748	1	Yoke

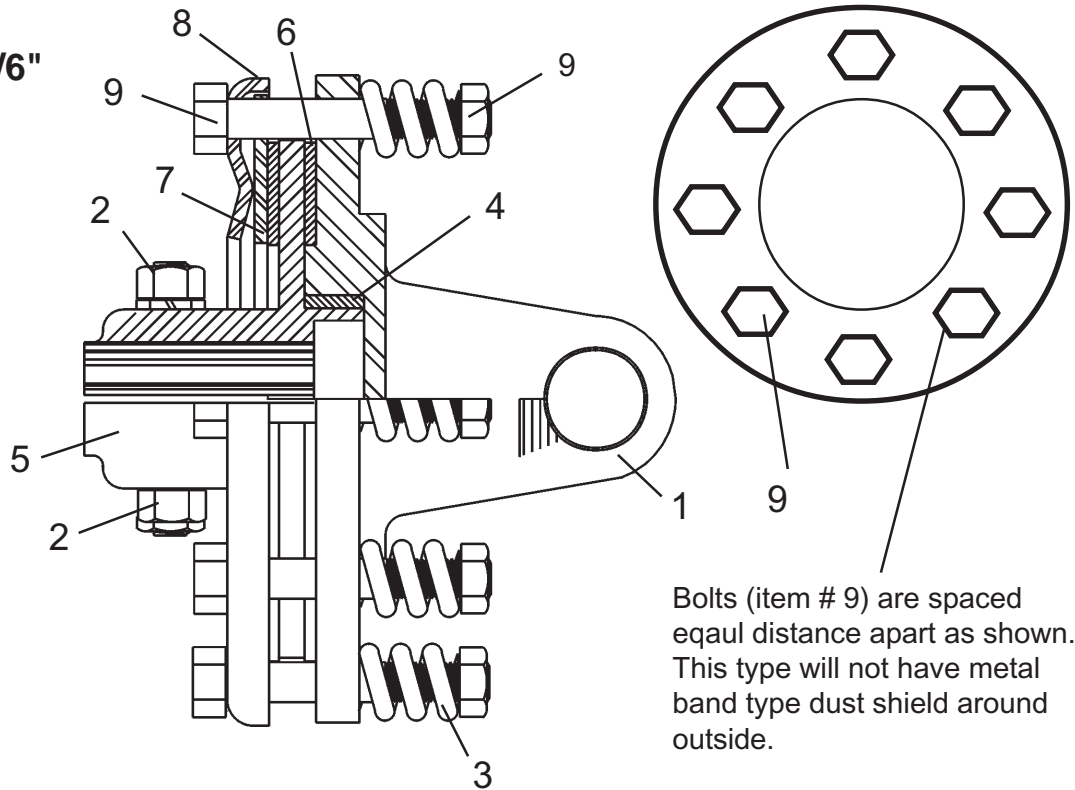
**NOTE:** This Driveline WAS NOT USED on the 96" Model as the 96" Model WAS NOT in production at this time

Jun. 1990  
to  
Jun. 1994

# SLIP CLUTCH ASY. P/N 00754320 88" & 96" Model

SEE  
S/N Ship Dates  
in Back of Book

NOTE: To Adjust  
Tighten Bolts till  
Springs are **1-5/6"**  
length.



Bolts (item # 9) are spaced  
equal distance apart as shown.  
This type will not have metal  
band type dust shield around  
outside.

Item	Part No.	Qty	Description
	<b>00754320</b>	<b>1</b>	<b>Slip Clutch Asy, With Springs</b>
1	00754302	1	Flange Yoke
2	00752903	2	Bolt & Locknut
3	00754315	8	Spring
4	00754301	1	Bushing
5	00754301	1	Clutch Hub, 1-3/8" 6 Spline
6	00754202	2	Friction Disk
7	00754314	1	Inside Plate W/ Holes
8	00756810	1	Pressure Plate
9	00754316	8	Bolt & Locknut

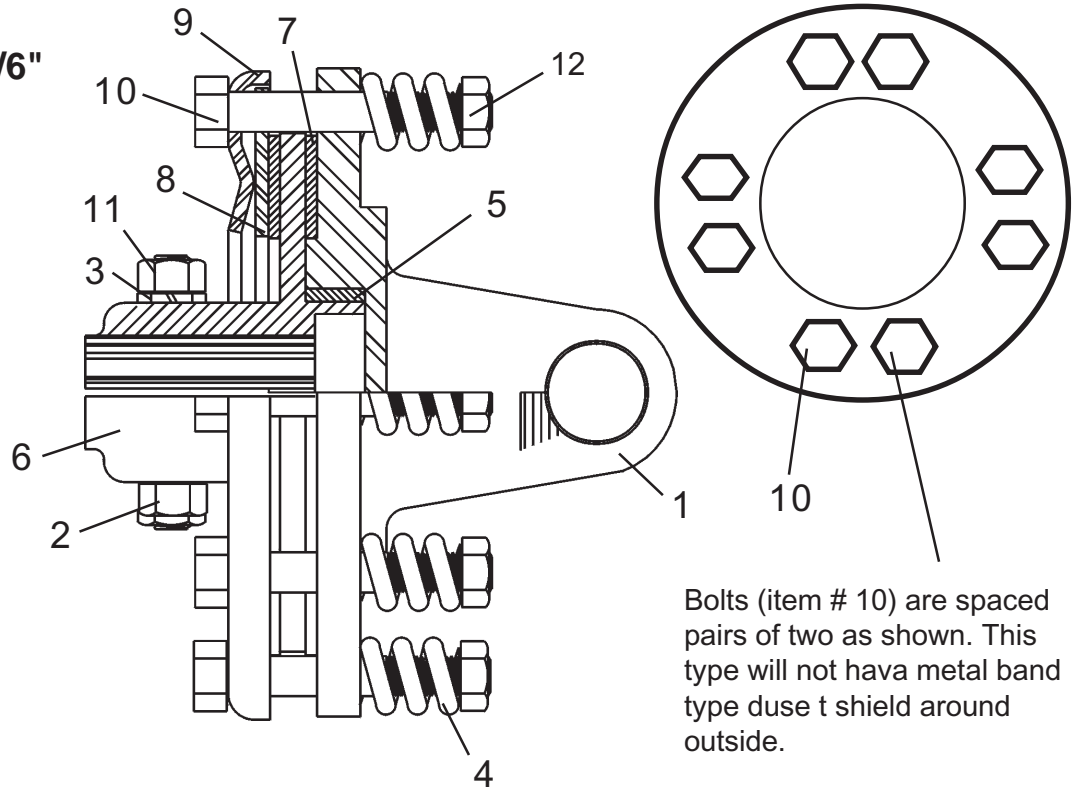
NOTE: Above Clutch # 00754320 WILL NOT fit on earlier style Drivelines because of different U-Joint Series, The Complete Drivelines can be used as a replacement for earlier Drivelines Only.

Jul. 1994  
to  
Nov. 1996

# SLIP CLUTCH ASY. P/N 00769131 88" & 96" Model

SEE  
S/N Ship Dates  
in Back of Book

NOTE: To Adjust  
Tighten Bolts till  
Springs are **1-5/6"**  
length.



Bolts (item # 10) are spaced  
pairs of two as shown. This  
type will not have a metal band  
type dust shield around  
outside.

Item	Part No.	Qty	Description
	<b>00769131</b>	-	<b>Slip Clutch Asy</b>
1	00769137	1	Yoke
2	02965273	2	Bolt
3	00762420	2	Lockwasher
4	00769136	8	Spring
5	00762528	1	Bushing
6	00769135	1	Hub
7	00769120	2	Friction Disk
8	00769134	1	Inside Plate
9	00769133	1	Pressure Plate
10	00762523	8	Bolt
11	00762372	2	Nut
12	00756024	8	Lock Nut

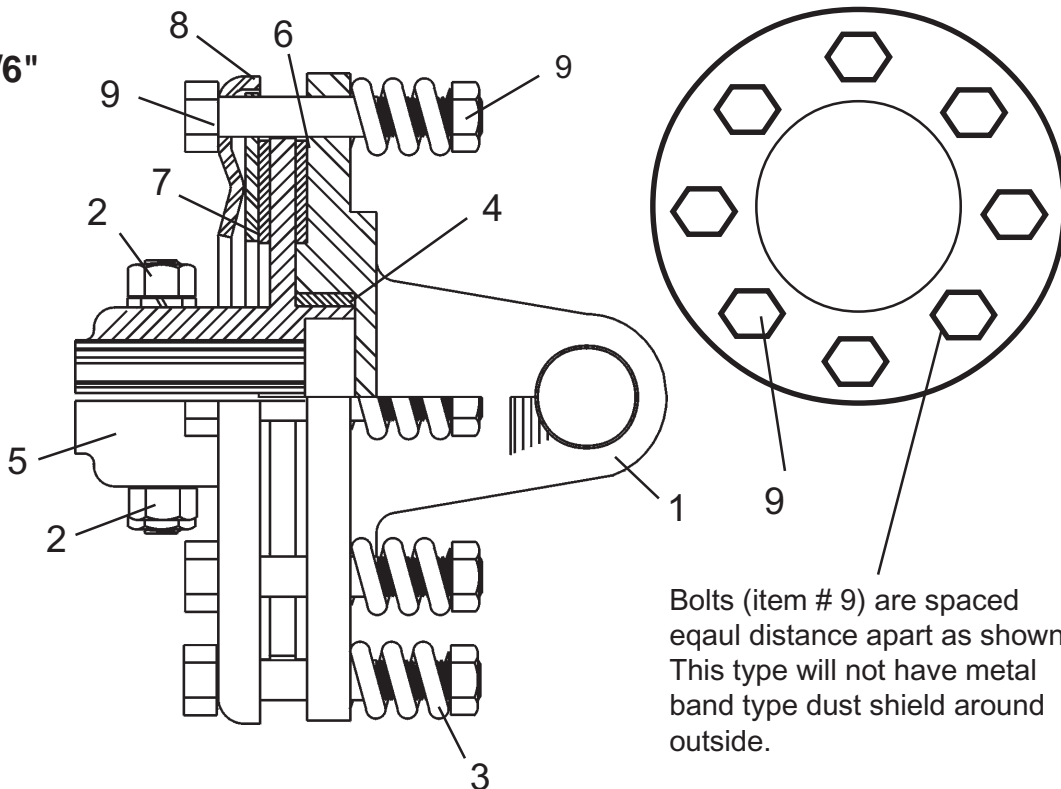
NOTE: When Replacing as an Assembly Use # 00754320 Asy.

Dec. 1996  
to  
Current

# SLIP CLUTCH ASY. P/N 00754320 88" & 96" Model

SEE  
S/N Ship Dates  
in Back of Book

NOTE: To Adjust  
Tighten Bolts till  
Springs are **1-5/6"**  
length.



Bolts (item # 9) are spaced  
equal distance apart as shown.  
This type will not have metal  
band type dust shield around  
outside.

Item	Part No.	Qty	Qty	Description
	<b>00754320</b>	1	--	<b>Slip Clutch Asy, With Springs</b>
	<b>00754320A</b>	--	1	<b>Slip Clutch Asy, With Out Springs (obsolete)</b>
1	00754302	1	1	Flange Yoke
2	00752903	2	2	Bolt & Locknut
3	00754315	8	--	Spring
	00773222	--	1	Spring Kit, Conversion w/ Item # 8 (#00756810)
4	00754301	1	1	Bushing
5	00754301	1	1	Clutch Hub, 1-3/8" 6 Spline
6	00754202	2	2	Friction Disk
7	00754314	1	1	Inside Plate W/ Holes
8	00756810	1	--	Pressure Plate
	00772465	--	1	Pressure Plate, (Replacement Part Only)
9	00754316	8	--	Bolt & Locknut

NOTE: Some Clutches # 00754320A were used in 1997 & 1998, These DID NOT HAVE the 8 coil springs. Not all Shipped were springless type, Most the ones w/o Springs were converted using Kit # 00773222, This included Springs, Bolts, Nuts & a new Pressure Plate that is used with the Springs, The pressure plate for the springless clutch is available as replacement part Only, BUT it is recommended to use complete Spring kit. Once the Kit has been installed the Clutch becomes a Spring type # 00754320

Feb. 1989  
to  
Current

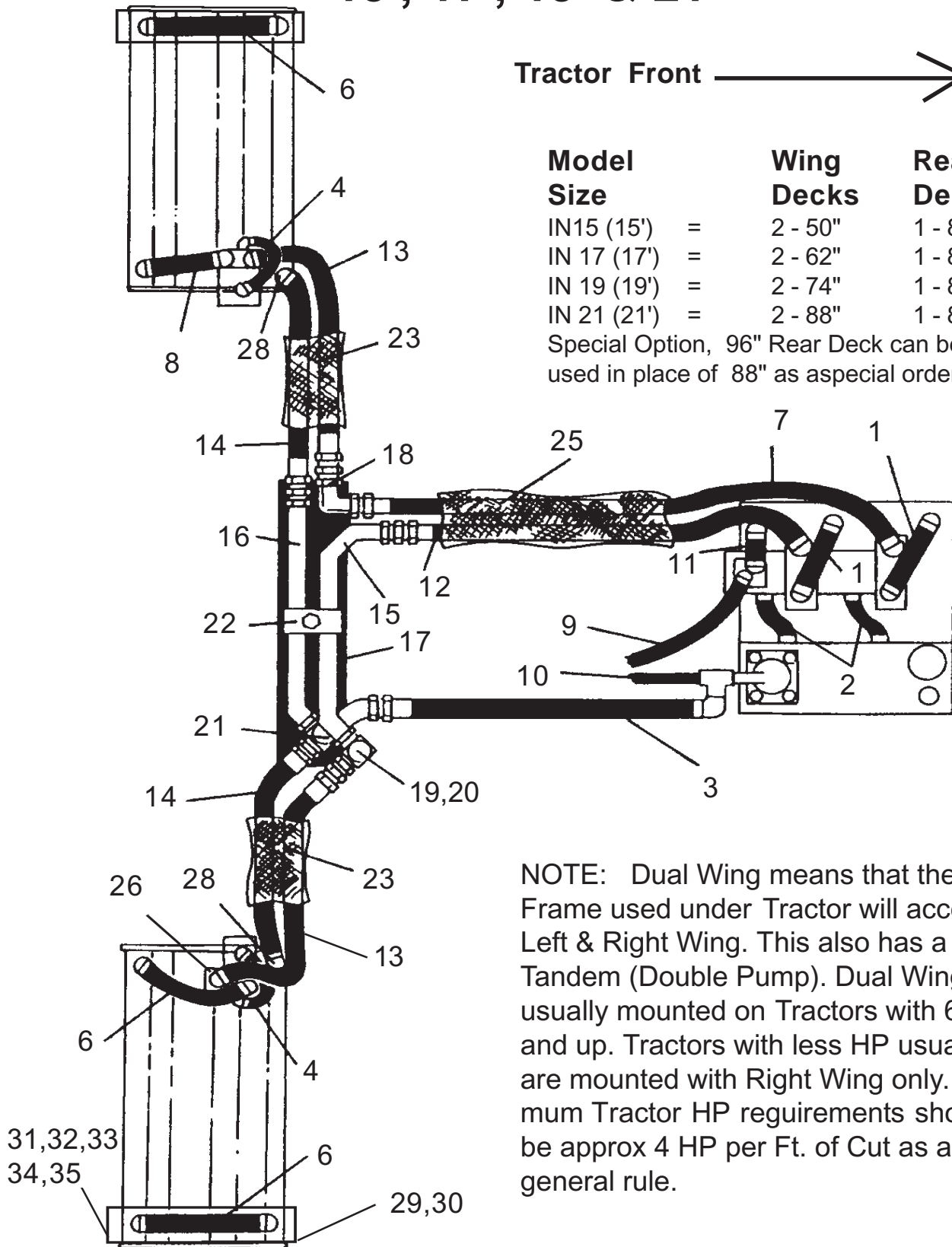
# HYD. SYSTEM DUAL WING 15', 17', 19' & 21'

SEE  
S/N Ship Dates  
in Back of Book

Tractor Front →

Model Size	Wing Decks	Rear Deck
IN15 (15')	= 2 - 50"	1 - 88"
IN 17 (17')	= 2 - 62"	1 - 88"
IN 19 (19')	= 2 - 74"	1 - 88"
IN 21 (21')	= 2 - 88"	1 - 88"

Special Option, 96" Rear Deck can be used in place of 88" as a special order.



NOTE: Dual Wing means that the Frame used under Tractor will accept a Left & Right Wing. This also has a Tandem (Double Pump). Dual Wing is usually mounted on Tractors with 60 HP and up. Tractors with less HP usually are mounted with Right Wing only. Minimum Tractor HP requirements should be approx 4 HP per Ft. of Cut as a general rule.

Feb. 1989  
to  
Current

# HYD. SYSTEM DUAL WING 15', 17', 19' & 21'

SEE  
S/N Ship Dates  
in Back of Book

Item	Part No.	Qty	Description
1	001783	2	Suction Hose
2	001788	2	Hose, Case Drain, Pump
3*	-----	1	Hose, Hyd. Plumbing to Tank, Return
4	001579	2	Hose, Case Drain, Motor
6	002628	3	Hose, Motor Return to Wing Cooling Tube
7*	-----	1	Hose, Pump to Hyd. Plumbing
8	001780	1	Hose, Motor Return to Wing Cooling Tube
9*	-----	1	Hose, Gear Pump to Control Valve
10*	-----	1	Hose, Control Valve to Tank
11	001782	1	Suction Hose, Gear Pump
12*	-----	1	Hose, Pump to Hyd. Plumbing
13#	002332	2	Hose, Hyd, Plumbing to Motor, Pressure (33" long)
	002365	2	Hose, Hyd. Plumbing to Motor, Pressure (62.5" long)
14#	02963432	2	Hose, Wing to Hyd, Plumbing, Return (33" long)
	002364	2	Hose, Wing to Hyd, Plumbing, Return (65.5" long)
15	02963546	1	Tube, Motor Pressure
16	02963547	1	Tube, Motor Return
17	02963563	1	Mounting Plate
18	02742500	1	Adapter, 90 Deg. Bulkhead
19	00751846	1	Adapter, Straight Bulkhead
20	00749941	1	Washer
21	002329	1	Adapter, Special
22	02959283	1	Tube Clamp
23#	107260	2	Sleeving, Short (27" Long)
	106903	2	Sleeving, Long (57" Long)
25*	-----	1	Sleeving
26	02958858	1	Elbow, 90 Deg
28	02956851	2	Adapter, 90 Deg.
29	108470	1	Hose Guard
30	108471	1	Side Plate, Hose Guard
31	00011400	5	Bolt
32	00015800	5	Locknut
33	0223200	2	Flatwasher
34	02030700	1	Bolt
35	00001800	1	Locknut TLM 1/2 NC PLC

\* Refer to Hose Schematic included in Packing Box for Part Numbers.

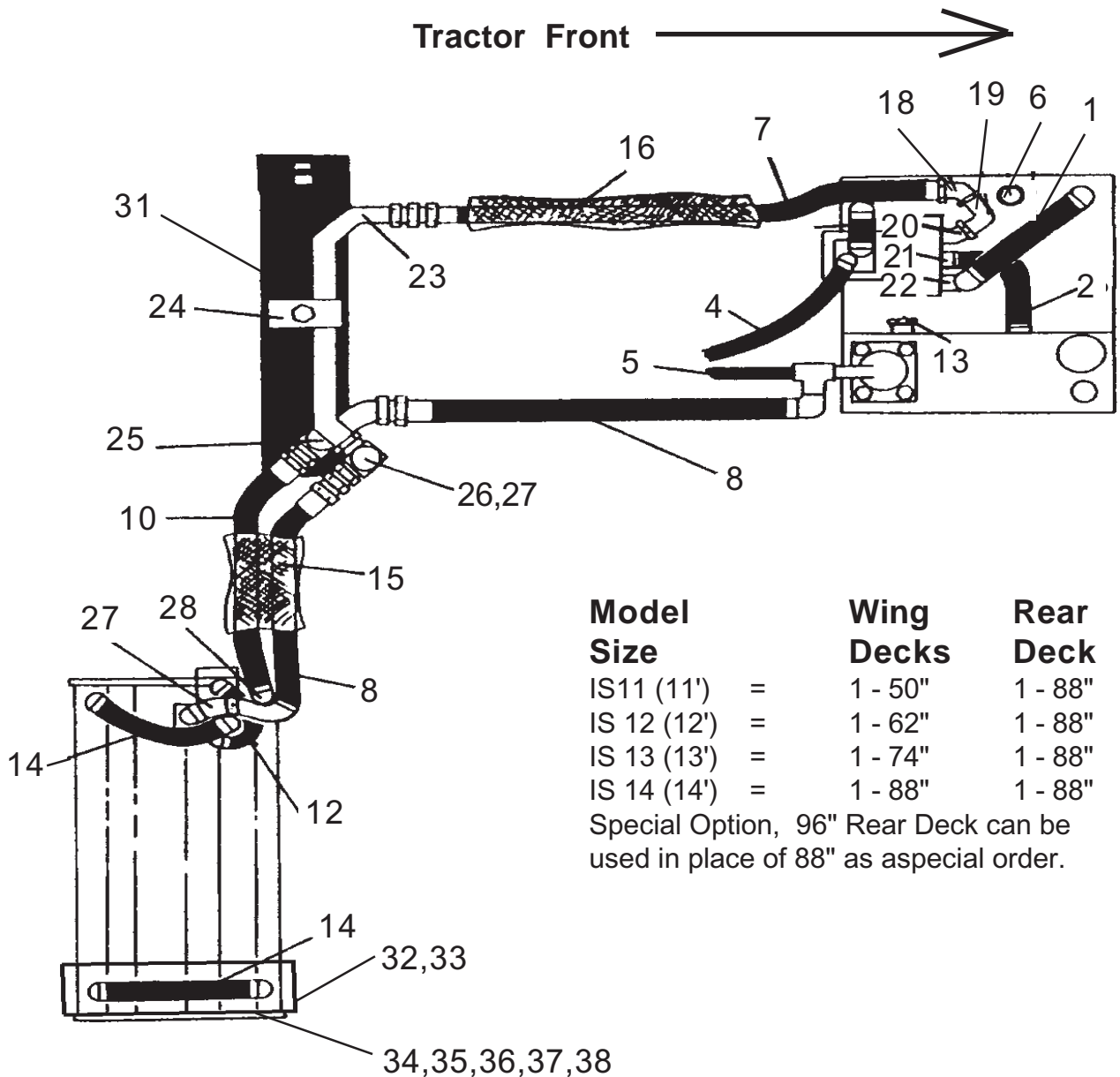
# Always Measure existing hose to determine correct part number to order because length can vary with Tractor Type.

NOTE: To ID which Model Measure Decks, Overall Width of Deck will exceed cutting width by approx 8" to 10 ", Example Deck with 62" cut will measure overall 70" to 72".

Feb. 1989  
to  
Current

# HYD. SYSTEM Right Wing 1st.

SEE  
S/N Ship Dates  
in Back of Book



**NOTE:** Right Wing First means that the Frame used under Tractor is the same Frame that is used on Tractors with Dual Wings, Left Wing can be added at a later time but it would be a very intense modification to Pump and Hydraulic system. Dual Wing & Right Wing First is usually mounted on Tractors with 60 HP and up. Tractors with less HP usually are mounted with Right Wing only. Minimum Tractor HP requirements should be approx 4 HP per Ft. of Cut as a general rule.



Feb. 1989  
to  
Current

# HYD. SYSTEM Right Wing 1st.

SEE  
S/N Ship Dates  
in Back of Book

Item	Part No.	Qty	Description
1	001783	1	Suction Hose
2	001859	1	Hose, Case Drain, Pump
3	001782	1	Suction Hose, Gear Pump
4*	-----	1-ref	Hose, Gear Pump to Control Valve
5*	-----	1-ref	Hose, Control Valve to Tank
6	63078500	1	Cap, Pipe
7*	-----	1-ref	Hose, Pump to Hyd. Plumbing
8*	-----	1-ref	Hose, Hyd. Plumbing to Tank, Return
9#	002332	1	Hose, Hyd. Plumbing to Motor, Pressure (33" long)
	002365	1	Hose, Hyd. Plumbing to Motor, Pressure (62.5" long)
10#	02963432	1	Hose, Wing to Hyd. Plumbing, Return (33" long)
	002364	1	Hose, Wing to Hyd. Plumbing, Return (65.5" long)
12	001579	1	Hose, Case Drain, Motor
13	00751003	1	Pipe Plug
14	002628	2	Hose, Motor Return to Wing Cooling Tube
15#	107260	1	Sleeving, Short (27" Long)
	106903	1	Sleeving, Long (57" Long)
16*	-----	1-ref	Sleeving
17	02958858	1	Elbow, 90 Deg.
18	02959154	1	Elbow, 45 Deg.
19	02958858	1	Elbow, 90 Deg.
20	02043600	1	Elbow, 45 Deg.
21	001573	1	Adapter, Straight
22	02961098	1	Elbow, 90 Deg. Boss
23	02963546	1	Tube, Motor Pressure
24	02959283	1	Tube Clamp
25	002329	1	Adapter, Special
26	00751846	1	Adapter, Straight Bulkhead
27	00749941	1	Washer
28	02956851	1	Adapter, 90 Deg.
31	02963563	1	Tube Mounting Bracket Weldment
32	108470	1	Hose Guard
33	108471	1	Side Plate, Hose Guard
34	00011400	5	Bolt
35	00015800	5	Locknut
36	0223200	2	Flatwasher
37	02030700	1	Bolt
38	00001800	1	Locknut TLM 1/2 NC PLC

\* Refer to Hose Schematic included in Packing Box

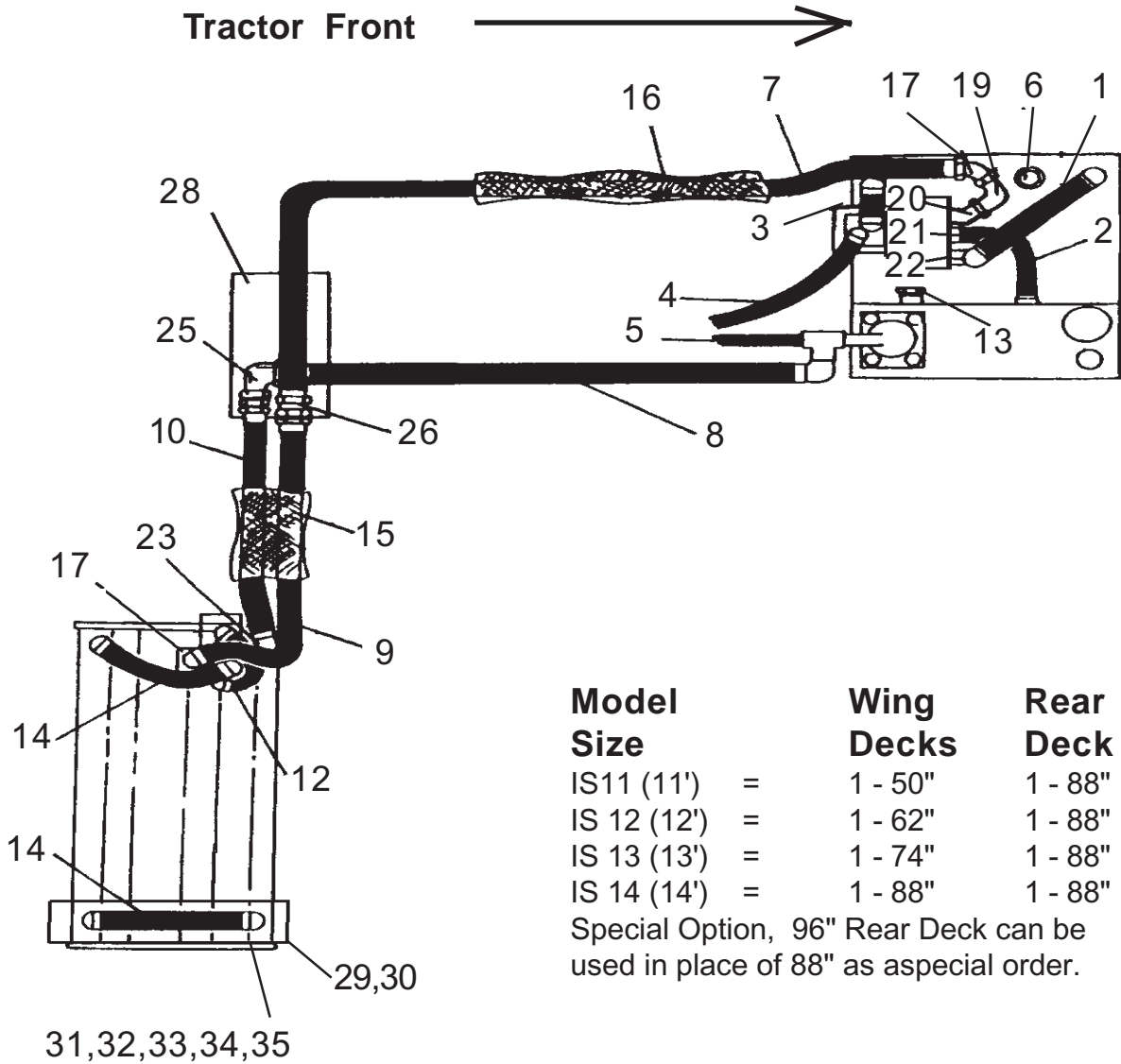
# Always Measure existing hose length to determine correct part number to order.

NOTE: To ID which Model Measure Decks, Overall Width of Deck will exceed cutting width by approx 8" to 10", Example Deck with 62" cut will measure overall 70" to 72".

Feb. 1989  
to  
Current

# HYD. SYSTEM Right Wing Only

SEE  
S/N Ship Dates  
in Back of Book



**NOTE:** Right Wing Only means that the Frame used under Tractor will ONLY except 1 Wing and second Wing CANNOT be added without changing Frame. This would be a very Severe modification to Frame, Pump and Hyd. system. Right Wing Only is usually mounted on Tractors with 60 HP and Down. Tractors with More HP usually are mounted with Right Wing First Mount. Minimum Tractor HP requirements should be approx 4 HP per Ft. of Cut as a general rule.

Feb. 1989  
to  
Current

# HYD. SYSTEM Right Wing Only

SEE  
S/N Ship Dates  
in Back of Book

Item	Part No.	Qty	Description
1	001783	1	Hose, Suction
2	001859	1	Hose, Case Drain, Pump
3	001782	1	Hose, Suction, Gear Pump
4*	-----	1	Hose, Gear Pump to Control Valve
5*	-----	1	Hose, Control Valve to Tank
6	63078500	1	Cap, Pipe
7*	-----	1	Hose, Pump to Hyd. Plumbing
8*	-----	1	Hose, Hyd. Plumbing to Tank, Return
9#	002332	1	Hose, Hyd. Plumbing to Motor, Pressure (33" long)
	002365	1	Hose, Hyd. Plumbing to Motor, Pressure (62.5" long)
10#	02963432	1	Hose, Wing to Hyd. Plumbing, Return (33" long)
	002364	1	Hose, Wing to Hyd. Plumbing, Return (65.5" long)
12	001579	1	Hose, Case Drain, Motor
13	00751003	1	Plug, Pipe
14	002628	2	Hose, Motor Return to Wing Cooling & Crossover Tube
15#	107260	1	Sleeving, Short (27" Long)
	106903	1	Sleeving, Long (57" Long)
16*	-----	1	Sleeving
17	02958858	1	Elbow, 90 Deg.
18	02959154	1	Elbow, 45 Deg.
19	02958858	1	Elbow, 90 Deg.
20	02043600	1	Elbow, 45 Deg.
21	03200283	1	Adapter, Straight
22	02961098	1	Elbow, 90 Deg. Boss
23	02956851	1	Adapter, 90 deg.
25	02919400	1	Adapter, Elbow Bulkhead
26	00751846	1	Adapter, Straight Bulkhead
27	107245	1	Clamp Bracket
28	107404	1	Mounting Plate
29	108470	1	Hose Guard
30	108471	1	Side Plate, Hose Guard
31	00011400	5	Bolt
32	00015800	5	Locknut
33	0223200	2	Flatwasher
34	02030700	1	Bolt
35	00001800	1	Locknut TLM 1/2 NC PLC

\* Refer to Hose Schematic included in Packing Box

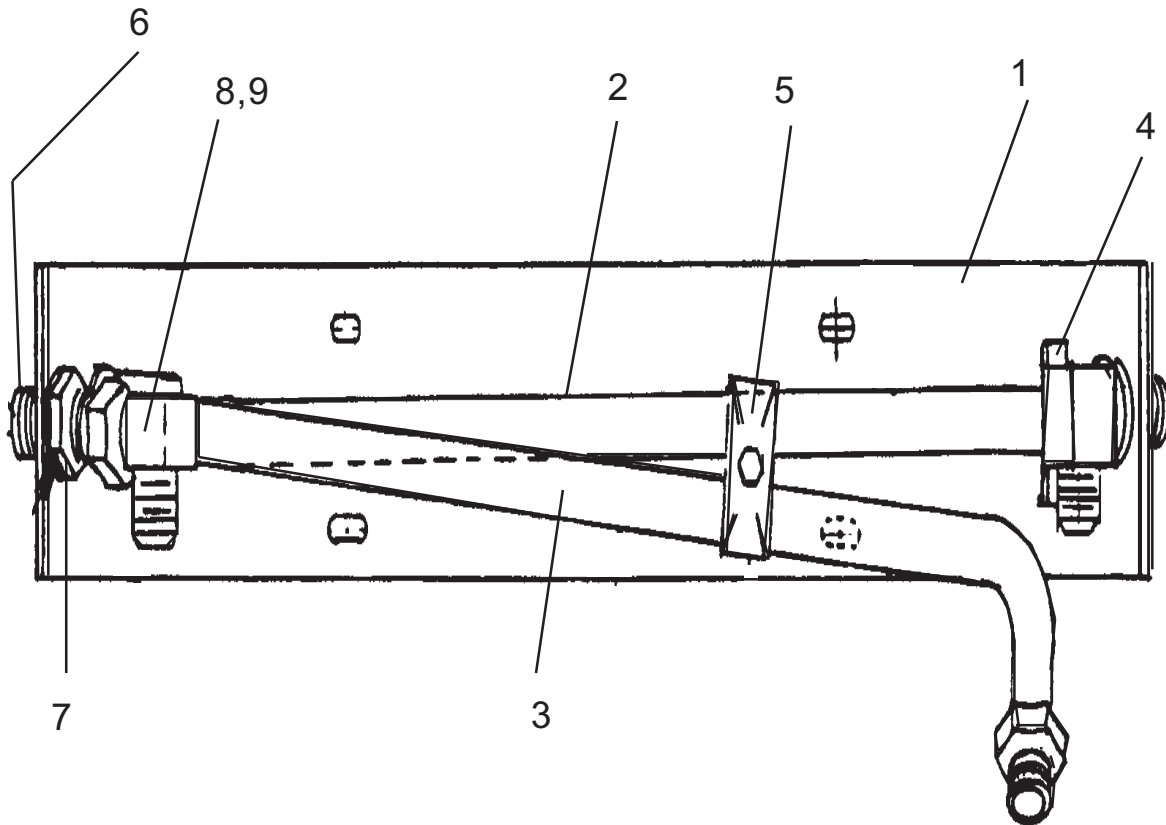
# Measure existing hose to determine correct part number to order.

NOTE: To ID which Model Measure Decks, Overall Width of Deck will exceed cutting width by approx 8" to 10 ", Example Deck with 62" cut will measure overall 70" to 72".

Feb. 1989  
to  
Current

# HYD. SYSTEM Tubing Asy. Dual Wings P/N 02963561

SEE  
S/N Ship Dates  
in Back of Book

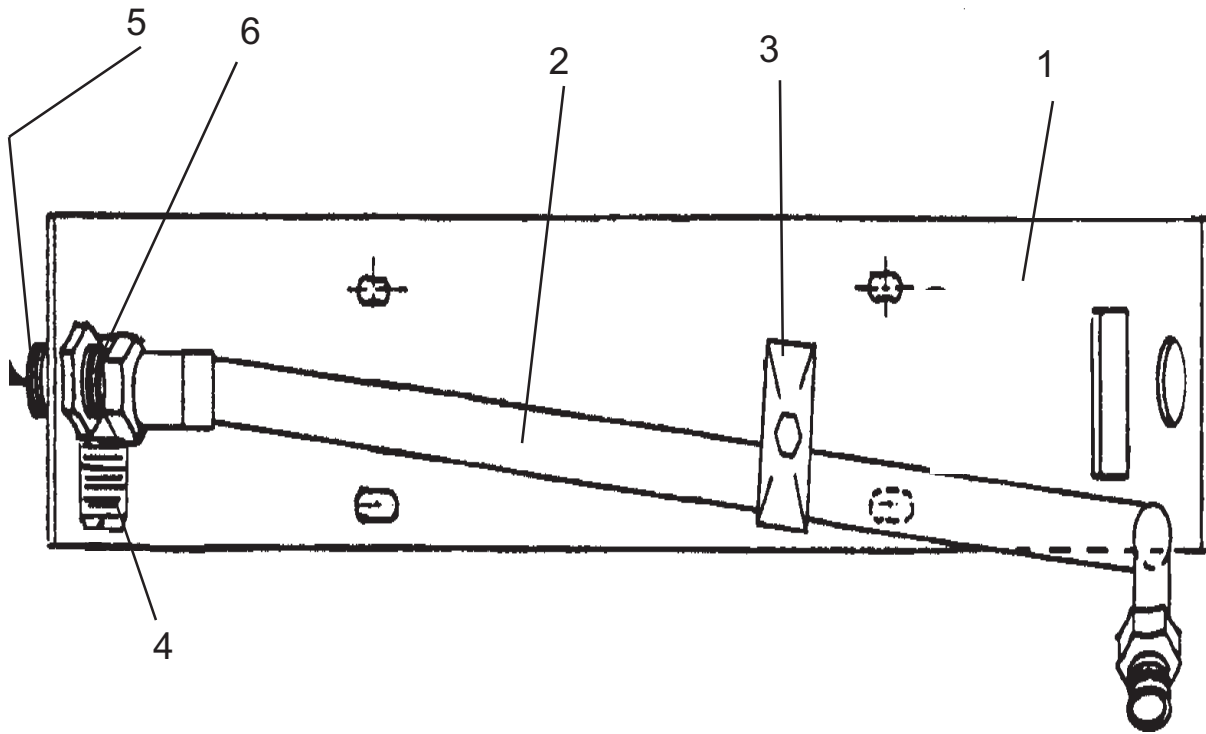


Item	Part No.	Qty	Description
1	02963563	1	Mounting Plate
2	02963547	1	Tube - Motor Return
3	02963546	1	Tube - Motor Pressure
4	02742500	1	Bulkhead Fitting 90 deg.
5	02959283	1	Clamp
6	00751846	1	Bulkhead Fitting Straight
7	00749941	1	Washer
8	002329	2	Adapter, Special
9	108278	1	Spacer (not shown)

Feb. 1989  
to  
Current

# HYD. SYSTEM Tubing Asy. Right Wing Only Right Wing 1 st. P/N 02963562

SEE  
S/N Ship Dates  
in Back of Book

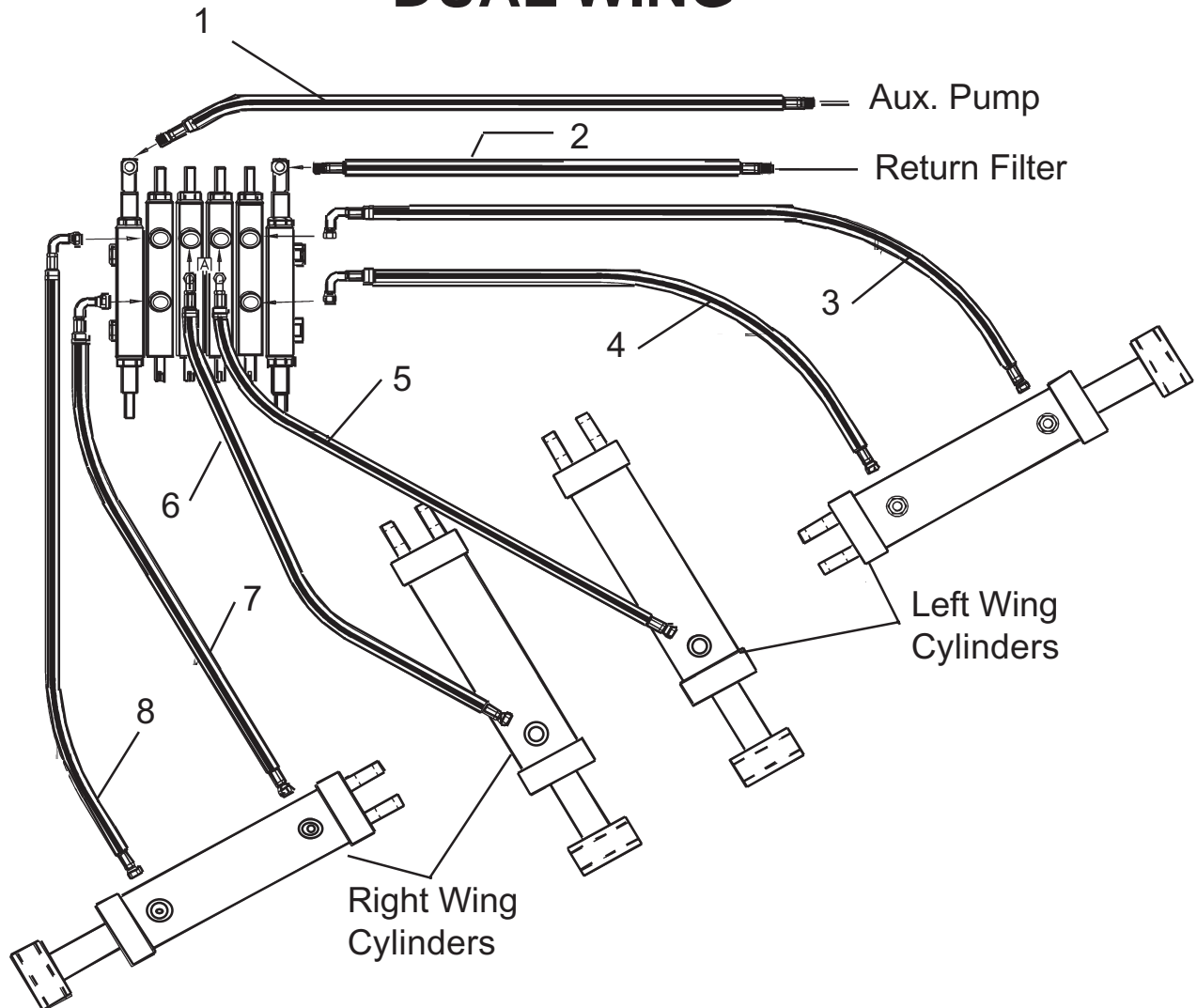


Item	Part No.	Qty	Description
1	02963563	1	Mounting Plate
2	02963546	1	Tube - Motor Pressure
3	02959283	1	Tube Clamp
4	002329	1	Bulkhead Fitting - 90 deg.
	02956918	1	Cap Fitting (not shown)
5	00751846	1	Bulkhead Fitting - Straight
6	108278	1	Spacer (not shown)

Feb. 1989  
to  
Current

# HOSE SCHEMATIC CYL. CONTROL DUAL WING

SEE  
S/N Ship Dates  
in Back of Book



Item	Part No.	Qty	Description
1*	001775	1	Hose, Control Valve to Pump
2*	001776	1	Hose, Control Valve to Return Filter
3+	001773	1	Hose, Control Valve to Tilt Cyl. - Live End
4+	001774	1	Hose, Control Valve to Tilt Cyl. - Dead End
5+	001772	1	Hose, Control Valve to Lift Cyl. - Live End
6+	001771	1	Hose, Control Valve to Lift Cyl. - Live End
7+	001770	1	Hose, Control Valve to Tilt Cyl. - Dead End
8+	001770	1	Hose, Control Valve to Tilt Cyl. - Live End

+ Hose used with most non-cab tractors

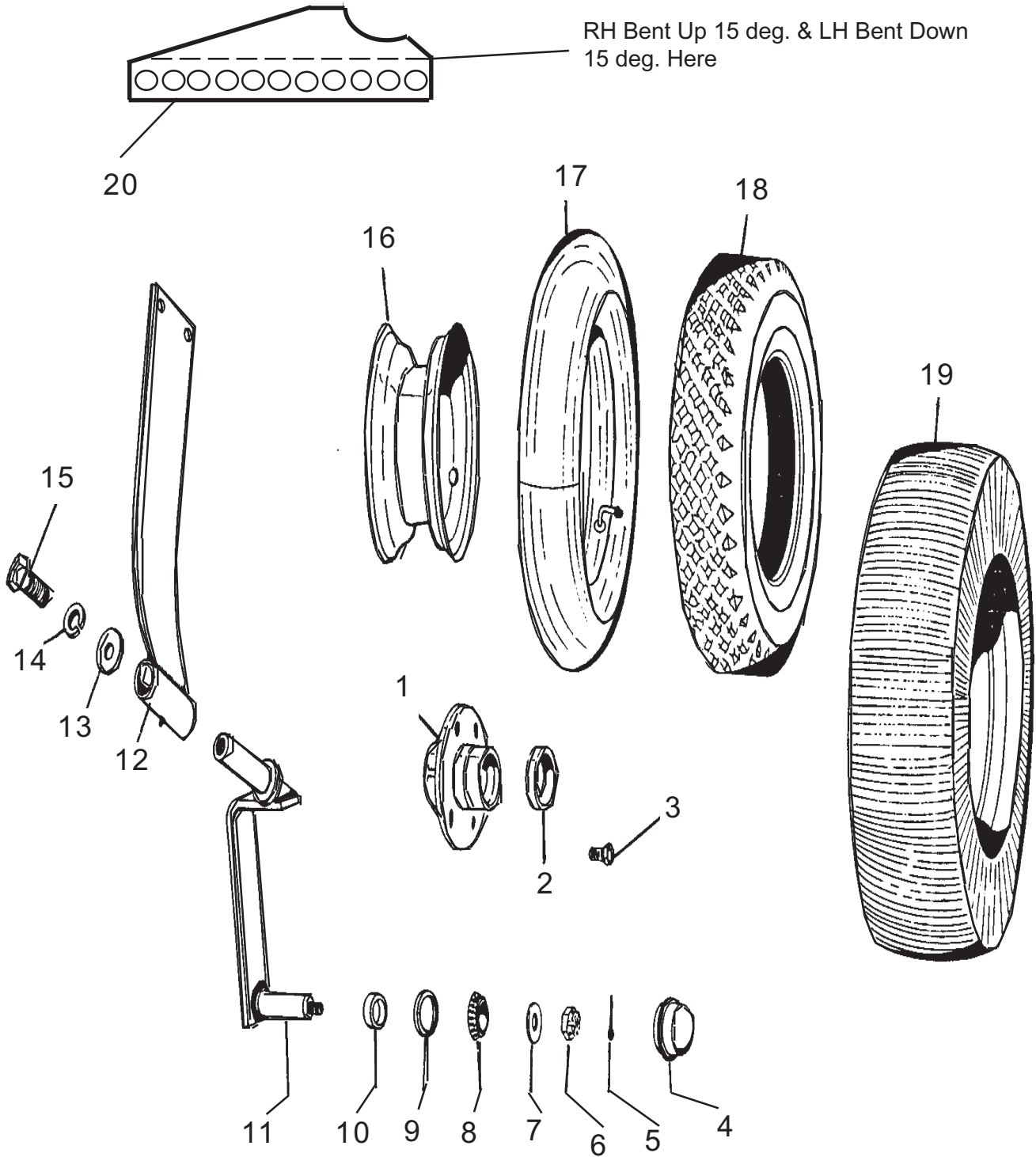
\* See Installation Instructions that were shipped with your unit for proper replacement part numbers.

# NOTES:

Feb. 1989  
to  
Current

# Caster Wheels Optional Equip.

SEE  
S/N Ship Dates  
in Back of Book



**USED ON REAR DECK ONLY 88" or 96"**



Feb. 1989  
to  
Current

# Caster Wheels Optional Equip.

SEE  
S/N Ship Dates  
in Back of Book

Item	Part No.	Qty	Qty	Qty	Qty	Description
		360 Lam	360 Pneu	180 Lam	180 Pneu	
1	000621	2	2	2	2	Hub w/ Bearing Cups
2	000226	4	4	4	4	Bearing Cups Inner & Outer
	702663	a/r	a/r	a/r	a/r	Bearing, Cup & Cone (item 2 & 8)
3	000622	8	8	8	8	Hub Bolt (with item 16)
	000554	8	8	8	8	Hub Bolt
	000520	8	8	8	8	Lockwasher
4	000247	2	2	2	2	Hub Cap
	000620	2	2	2	2	Hub Complete (includes 1,8-10,4)
	702272	2	2	2	2	Lower Fork Asy w/Hub (includes 1 thru 4 & 11)
5	000123	2	2	2	2	Cotter Pin
6	000122	2	2	2	2	Nut
7	101780	2	2	2	2	Washer
8	000225	4	4	4	4	Bearing Cone
	702663	a/r	a/r	a/r	a/r	Bearing, Cup & Cone (item 2 & 8)
9	000201	2	2	2	2	Seal
10	000573	2	2	2	2	Spacer
11	100141	2	2	2	2	Caster Fork Only
12	701058M	2	2	-	-	Caster Socket w/Fitting, 360 deg
	700191	-	-	2	2	Caster Socket w/Fitting, 180 deg.
	00749130	4	4	4	4	Bolt
	00001800	4	4	4	4	Locknut TLM 1/2 NC PLC
13	103767	2	2	2	2	Washer
14	000520	2	2	2	2	Lockwasher
15	000554	2	2	2	2	Bolt
16	000619	-	2	-	2	Wheel (tube type tire)
17	000623	-	2	-	2	Tube
18	000618	-	2	-	2	Tire (tube type)
	000617	-	2	-	2	Wheel, Tire, Tube Asy. (#'s 16-18)
19	700280	2	-	2	-	Laminated Tire/ Whl Asy. (optional)
20	100752	2	2	2	2	Bracket, RH (Weld On) Field Install
	100753	2	2	2	2	Bracket, LH (Weld On) Field install

## CASTER WHEEL Pkg. - (Rear Mower Only) Optional Equipment

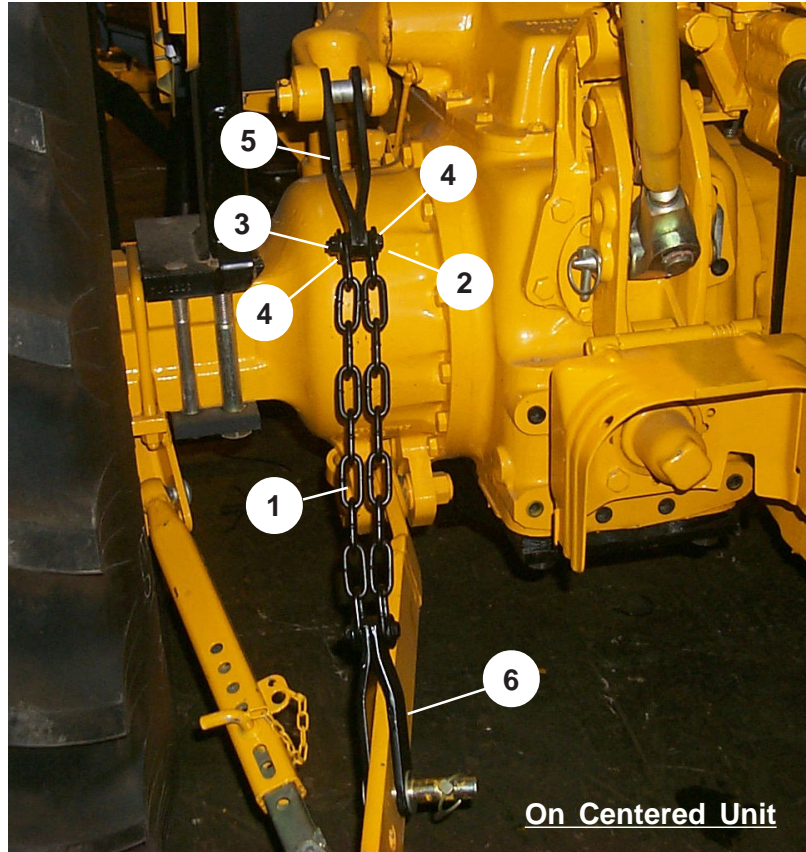
700500	Caster Wheel Pkg, Pneumatic, 180 Deg Swivel, Field Install (2 Wheels Complete)
700502	Caster Wheel Pkg, Laminated, 180 Deg Swivel, Field Install (2 Wheels Complete)
701056M	Caster Wheel Pkg, Pneumatic, 360 Deg Swivel, Field Install (2 Wheels Complete)
701057M	Caster Wheel Pkg, Laminated, 360 Deg Swivel, Field Install (2 Wheels Complete)

Mount Note: Caster Wheel Pkg. come with Fasteners and Field Install Brackets (item # 20), Welding WILL BE required to install Field Install pkg's to Decks, It is Best to order Caster Wheel Pkg's installed at time of initial Mower Purchase's of Units when brackets will be welded to Deck during production.

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# Check Chains Optional Equip.

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Two Assemblies required per Mower , Qty Below For One Side LH or RH

Item	Part No.	Qty	Qty	Qty	Description
	702264	1	-	-	Check Chain Asy. (Case - IH)
	701836	-	1	-	Check Chain Asy. (Ford)
	701150	-	-	1	Check Chain Asy. (John Deere)
1	103333	2	2	2	Chain - 9 Links
2	000413	4	2	2	Bolt
3	000414	4	2	2	Nut
4	101780	4	4	4	Washer
5	104736	2	-	4	Lift Chain Clevis, Upper or Lower (See Qty Req.)
6	104926	2	4	-	Lift Chain Clevis, Upper or Lower (See Qty Req.)

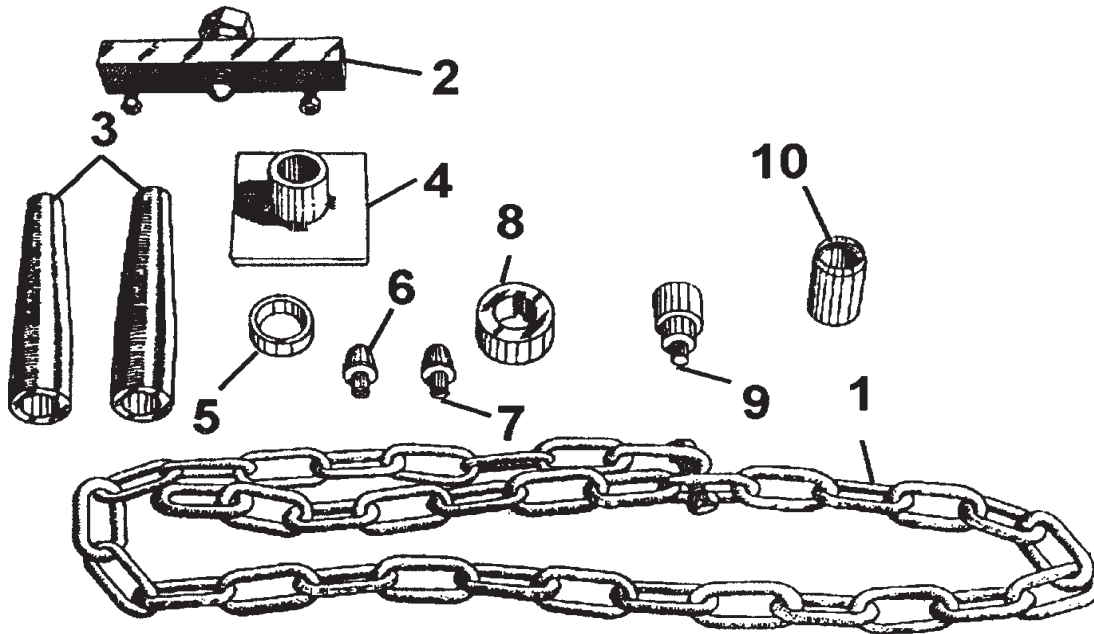
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# Special Tools Optional Equip.

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## SPECIAL TOOLS

Special tools for installing and servicing INTERSTATERS are illustrated below. If desired, tools may be obtained from Alamo on a made to order basis as Special Order Parts. Prices will be furnished on request. These Tools are design to be used on the Interstater. Some of These Tools will also work on other Alamo Model Flail Mowers.

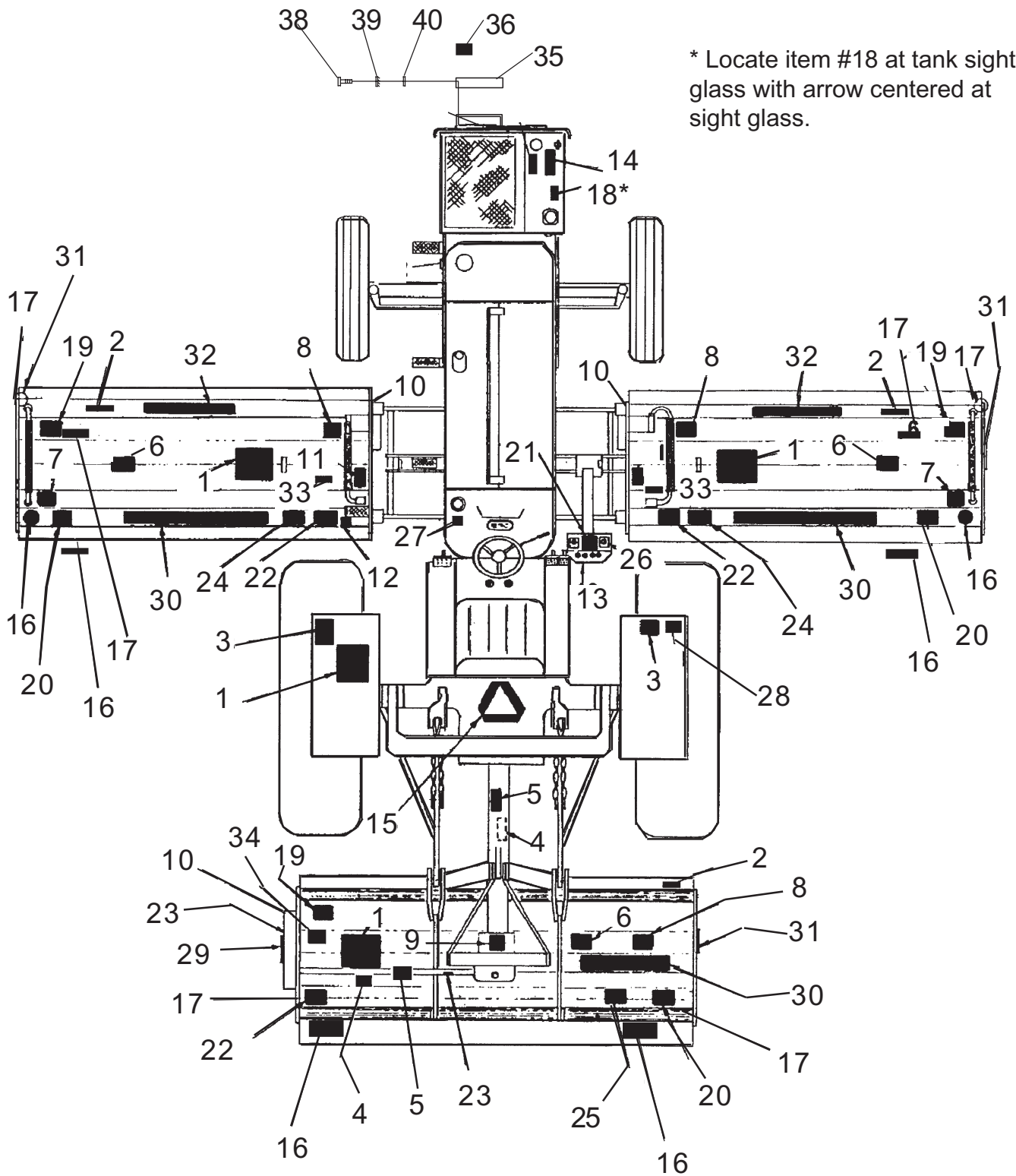


Item	Part No.	Description
1	701628	Lift Frame Asy Suspension Chain
2	701627	Cuttershaft Bearing Puller
3	104764	Lift Frame Alignment Pin (2)
4	104768	Rubber Bushing Support Base
5	104767	Rubber Bushing Compression Ring
6	104765	Rubber Bushing Expander (for Ford and Kubota Tractor)
7	104766	Rubber Bushing Expander (for I.H., Massey-Ferguson, & Case Tractors)
8	104769	Drive Shaft Installation Collar
9	104770	Rubber Bushing Installation Plug
10	103741	Seal Installation and Seating Tool
11	000802	Hydraulic Pressure Gauge, 3000 PSI (Not Shown)
12	102051	Cotter Pin Puller & Spreader (Not Shown)

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Item	Part No.	Qty	Description
1	002369	4	Danger, Multiple-Hazard
2	002425	3	Danger, Front Guard
3	00753840	2	Danger, Folding Wing/Wings Raised
4	00756004	2	Danger, D/L Shield Missing
5	00756005	2	Danger, Rotating D/L, Entanglement
6	00756007	3	Warning, Use/Repair Shields/Guards
7	00756059	3	Danger, Oil Penetration, Leaks
8	00756485	3	Danger, Cutting Blades, Thrown Objects
9	00756494	1	Danger, Driveline Hazards
10	00758194	3	Warning, Belt/Pulley Pinch Point
11	02962765	2	Danger, Crushing From Folding Hazard
12	03200285	2	Caution, Slipping on Step Hazard
13	03200328	1	Danger, Transport with Lever in Detent
14	02971123	1	Warning, Pressurized Tank
15	03200347	*	Reflector, SMV Reflector
16	1458392	4	Reflector, Red Decal
17	1458393	4	Reflector, Yellow Decal
18	02966305	1	Instruction, Hyd Oil and Type
19	03200432	3	Instruction, Genuine Alamo Flail Parts
20	002023	3	Instruction, Cutting Height Adjustment
21	001412	1	Instruction, Valve Lever Operating Plate
22	000108	3	Instruction, Flail Operation
23	000678	2	Instruction, Grease Fitting Inside
24	001829	2	Instruction, Wing Lube Chart
25	001830	1	Instruction, Rear Unit Lube Chart
26	02962748	2	Instruction, On/Off Switch
27	02965093	1	Instruction, Do Not Overspeed Engine
28	00763977	1	Instruction, Notice to Owner
29	001650	1	Logo, Alamo (Mott Flail)
30	001651	4	Logo, Alamo (Mott Flail)
31	02960766	3	Logo, Alamo
32	001660	2	Logo, Name Interstater
33	nfs	1 or 2	Serial Number Plate, Wing Mower
34	nfs	1	Serial Number Plate, Rear Mower
35	02977385	1	Parts Manual Canister
36	02977417	1	Instruction, Parts Manual Inside
37	803213C	1	Operators Manual, Interstater
38	10058000	4	Bolt
39	00017000	4	Lockwasher
40	0024100	4	Flatwasher

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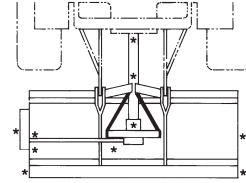
**ATTENTION**  
SERVICE HYDRAULIC SYSTEM  
WITH UNIVERSAL TRACTOR  
HYDRAULIC OIL.  
PART NUMBER 02966305

(18) 02966305 HYD. OIL TYPE

**GREASE  
FITTING  
INSIDE**

(23) 000678  
GREASE FITTING  
INSIDE

## LUBRICATION CHART



\* LUBRICATE ALL POINTS EVERY 8 HOURS OF OPERATION

(25) 001830 LUBRICATION - REAR

**IMPORTANT**

**ALAMO GENUINE FLAIL PARTS**

ALAMO INDUSTRIAL Flail Mowers use dynamically balanced and matched system components for Cutter Shafts, Knives, Knife Hangers, Rollers, Drivetrain components, Bearings, Belts, and Pulleys. ALAMO INDUSTRIAL parts are made and tested to meet close-tolerance specifications of balance, quality, and consistency that assure long, trouble-free service. The use of inferior "will fit" parts will void warranty for your ALAMO INDUSTRIAL implement and may cause premature or catastrophic failure which can result in serious injury or death. If you have any questions concerning the repair parts you are using, contact ALAMO INDUSTRIAL 1502 E. Walnut Seguin, TX 78155 (830) 372-3551.

(19) 03200432 GENUINE PARTS

**LUBRICATION CHART**

\* LUBRICATE ALL POINTS EVERY 8 HOURS OF OPERATION

(24) 001829 LUBRICATION - WING

**MOWER CUTTING HEIGHT ADJUSTMENT**

DESIRED CUTTING HEIGHT (INCHES)	ADJUSTMENT BRACKET HOLE	MOWER END PLATE HOLE
1/2	B	2
1	A	1
1-1/2	B	3
2	A	2
2-1/2	B	4
3	A	3
3-1/2	B	5
4	A	4
4-1/2	B	6
5	A	5
5-1/2	B	7
6	A	6

(20) 002023 CUT HEIGHT INSTRUCTION

LEFT SIDE		RIGHT SIDE	
TILT CYL	LIFT CYL	LIFT CYL	TILT CYL
FLOAT	FLOAT	FLOAT	FLOAT
↑	& DOWN	& DOWN	↑
OUT	HOLD	HOLD	OUT
↑	↓	↑	↑
HOLD	UP	UP	HOLD
↓			↓
IN			IN

(21) 001412 INSTRUCTION - VALVE OPERATION

**INTERSTATER**

(32) 001660 NAME

**CAUTION**  
**WATCH YOUR  
STEP**


(12) 03200285 WATCH YOUR STEP

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**⚠ DANGER**



- Stay clear when removing transport strap and lowering or raising wing. • Component failure or accidental operation of controls may allow wing to fall suddenly and cause bodily injury or death.
- Cylinders with Restrictors installed must be filled with oil for wings to lower slowly & safely.
- Lock Wings up securely for transporting.

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- Do not operate mower with wings raised with passersby in the area. • Contact with exposed rotating Blades and/or being hit by thrown objects may cause injury or death.

00753840

(3) 00753840 FOLDING WINGS

**⚠ WARNING**


USE PAPER OR CARDBOARD TO CHECK FOR LEAKS. **NEVER USE YOUR HAND.** IF OIL PENETRATES SKIN, GANGRENE OR OTHER SERIOUS INJURY COULD OCCUR. **GET IMMEDIATE MEDICAL ATTENTION.** See Operator's Manual. 00756059



(7) 00756059 DECAL LEAK DETECTION

**⚠ DANGER**

CUTTING BLADES THROWN OBJECTS



FLAIL ROTARY FLAIL ROTARY

**KEEP AWAY - ROTATING BLADES**

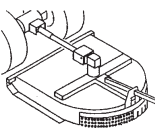
SERIOUS INJURY OR DEATH CAN RESULT FROM THROWN OBJECTS OR BLADE CONTACT.

- \* STOP MOWING IF PERSONS ARE NOT CLEAR OF THROWN OBJECTS.
- \* DO NOT STAND ON OR NEAR MACHINE WHEN IN OPERATION.
- \* DO NOT OPERATE WITH DEFLECTORS OR GUARDS REMOVED. 00756485

(8) 00756485 CUTTING BLADES

**⚠ WARNING**

WHENEVER THIS MACHINE IS OPERATED IN ANY AREA WHERE THROWN OBJECTS COULD INJURE PERSONS OR PROPERTY, SAFETY SHIELDING MUST BE INSTALLED AND IN GOOD REPAIR TO REDUCE THE POSSIBILITY OF INJURY FROM THROWN OBJECTS.



CHAIN GUARDS, SOLID BANDS, RUBBER FLAPS, AND OTHER GUARDS ARE SUBJECT TO WEAR AND LOST OR BROKEN PIECES. IT IS THE OPERATOR'S RESPONSIBILITY TO SEE THAT THESE ITEMS OF SAFETY EQUIPMENT ARE REPAIRED AND/OR REPLACED AS SOON AS DAMAGE OCCURS, OR YOU WILL BE OPERATING MACHINE THAT IS IN AN UNSAFE CONDITION. 00756007

(6) 00756007 REPAIR SHIELDS

**⚠ WARNING**

DO NOT OPERATE WITH BELT SHIELD REMOVED. FINGER(S) MAY BE PINCHED OFF IF CAUGHT BETWEEN V-BELT AND PULLEY. 00758194



(10) 00758194 PINCH POINTS



(15) 03200347 SMV SYMBOL



(26) 02962748 SWITCH - ON/OFF


**⚠ WARNING: PRESSURIZED TANK**

- ATTENTION: Oil Filler Cap Is Also the PRESSURE RELIEF CAP.
- Remove Cap slowly to relieve pressure before removing Cap completely.
- Stay clear to prevent being scalded with hot oil that may spray out of tank that is still pressurized and may cause serious injury to eyes, face, and exposed skin. 02971123

(14) 03200437 WARNING PRESS. TANK

**⚠ DANGER**

KEEP AWAY! IF FRONT DEFLECTOR SHIELD IS REMOVED FROM FLAIL HOUSING, SERIOUS INJURY TO OR AMPUTATION OF HANDS, FEET, OR LIMBS MAY OCCUR FROM BLADES CONTACT.



IF FRONT DEFLECTOR SHIELD IS REMOVED TO EFFECT A SUBSTANTIAL IMPROVEMENT IN PERFORMANCE IN VERY HIGH GRASS OR WEEDS, THE OPERATOR MUST BE AWARE OF THE RESULTING POTENTIAL HAZARD AND USE SPECIAL CARE TO MAKE CERTAIN THAT:

1. THE FLAIL MOWER IS NOT OPERATED IN THE VICINITY OF BYSTANDERS TO PREVENT CONTACT WITH BLADES AND RESULTING SERIOUS INJURY.
2. THE OPERATOR NEVER LEAVES THE SEAT NOR ALLOWS ANYONE TO APPROACH THE FLAIL MOWER UNTIL THE PTO AND HYDRAULIC POWER ARE DISENGAGED FROM ROTORS, FLAIL SECTIONS ARE LOWERED TO THE GROUND, ENGINE IS TURNED OFF, PARKING BRAKE IS SET, KEY IS REMOVED, AND ALL MOTION CEASES.
3. THE FRONT DEFLECTOR SHIELD IS REPLACED IN NORMAL MOWING CONDITIONS. 002425

(2) 002425 DECAL DISMOUNT INSTRUCTIONS

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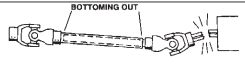

# DECALS

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**⚠ DANGER**

1. MAKE CERTAIN DRIVELINES ARE OF THE CORRECT LENGTH AND SECURELY ATTACHED. **DRIVELINE SEPARATION AND/OR PTO STUB SHAFT FAILURE CAN CAUSE INJURY OR DEATH.** (See Operator's Manual for procedure.)

\* SEE MANUAL FOR MINIMUM OVERLAP & MINIMUM/MAXIMUM LENGTHS



2. MAKE CERTAIN THAT DRIVELINE SHIELDS ARE **INSTALLED CORRECTLY** AND **TURN FREELY** TO PREVENT INJURY OR DEATH FROM ENTANGLEMENT



3. MAKE CERTAIN THAT DRIVELINE IS INSTALLED CORRECTLY ON TRACTOR PTO SHAFT. MOVE YOKE BACK AND FORTH UNTIL LOCKING COLLAR CLICKS FORWARD AND LOCKS YOKE IN PLACE

4. **540 PTO RPM** UNLESS SPECIFICALLY MARKED OTHERWISE. 00756494

(9) 00756494 DRIVELINE RPM

**OPERATING INSTRUCTIONS**


This Mower will give long satisfactory service with a minimum of upkeep cost if the following procedure is followed:

- KEEP PROPERLY LUBRICATED
  - BEARINGS - Use a lithium-based #2 Bearing Grease such as Shell Alvania #2, Sinclair Litholene, Mobil BRB, Texaco Marfak #2, Standard Stanolith #57, etc.
  - GEARBOX - Use SAE EP90 oil.
- KEEP FASTENERS TIGHTENED
  - Normally, if Fasteners loosen after being properly tightened, the Mower is vibrating more than is acceptable and permanent damage can occur rapidly.
  - See Bolt Chart for proper tightening torque.
- KEEP THE MOWER RUNNING SMOOTHLY AND QUIETLY.
  - After hitting any obstruction and at the first sign of any unusual vibration or noise, STOP THE MOWER, and do not operate again until the problem is found and corrected. VIBRATION CAN DESTROY THE ENTIRE MOWER IN A SHORT TIME.
  - Inspect for broken or missing Knives, Knives restricted from swinging freely, worn Bearings, a bent Shaft, or other conditions causing out-of-balance rotation.
  - See Bulletin #5 for details on causes and correction of vibration of Flail Mowers.

**NOTICE:** Warranty does not cover damage resulting from the failure to observe these reasonable procedures. 000108

(22) 000108 OPERATING INSTRUCTIONS

**⚠ DANGER**



**KEEP AWAY! IF FRONT DEFLECTOR SHIELD IS REMOVED FROM FLAIL HOUSING, SERIOUS INJURY TO OR AMPUTATION OF HANDS, FEET, OR LIMBS MAY OCCUR FROM BLADES CONTACT.**

IF FRONT DEFLECTOR SHIELD IS REMOVED TO EFFECT A SUBSTANTIAL IMPROVEMENT IN PERFORMANCE IN VERY HIGH GRASS OR WEEDS, THE OPERATOR MUST BE AWARE OF THE RESULTING POTENTIAL HAZARD AND USE SPECIAL CARE TO MAKE CERTAIN THAT:

- THE FLAIL MOWER IS NOT OPERATED IN THE VICINITY OF BYSTANDERS TO PREVENT CONTACT WITH BLADES AND RESULTING SERIOUS INJURY.
- THE OPERATOR NEVER LEAVES THE SEAT NOR ALLOWS ANYONE TO APPROACH THE FLAIL MOWER UNTIL THE PTO AND HYDRAULIC POWER ARE DISENGAGED FROM ROTORS, FLAIL SECTIONS ARE LOWERED TO THE GROUND, ENGINE IS TURNED OFF, PARKING BRAKE IS SET, KEY IS REMOVED, AND ALL MOTION CEASES. THE FRONT DEFLECTOR SHIELD IS REPLACED IN NORMAL MOWING CONDITIONS. 002425

(2) 002425 FRONT GUARD

**⚠ DANGER**



**GUARD MISSING  
DO NOT OPERATE**

00756004

**⚠ DANGER**



**GUARD MISSING  
DO NOT OPERATE**

00756004

**⚠ DANGER**

(4) 00756004 SHIELD MISSING

**⚠ DANGER**



**ROTATING DRIVELINE  
CONTACT CAN CAUSE DEATH  
KEEP AWAY!**

**DO NOT OPERATE WITHOUT —**

- ALL DRIVELINE, TRACTOR AND EQUIPMENT SHIELDS IN PLACE
- DRIVELINES SECURELY ATTACHED AT BOTH ENDS
- DRIVELINE SHIELDS THAT TURN FREELY ON DRIVELINE

00756005

(5) 00756005 ROTATING DRIVELINE



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## NOTICE TO OWNER

An OPERATOR'S MANUAL (with Repair Parts Listing) and a WARRANTY REGISTRATION CARD were attached to this implement during final inspection at the factory.

If they were not attached at the time of purchase, please contact your selling dealer at once.

1. Read and understand Manual before operating the implement.
2. Complete, sign, and mail the Warranty Registration Card in today. 00763977

(28) 00763977 NOTICE TO OWNER

## ATTENTION!

TO PREVENT PREMATURE HYDRAULIC COMPONENT FAILURE, DO NOT OVERSPEED ENGINE. WHEN USING THE MOWER ATTACHMENT, OPERATE TRACTOR AT THE ENGINE SPEED WHICH WILL DELIVER 540 PTO RPM ON THE TACHOMETER. OVERSPEEDING THE ENGINE AND PUMP WHEN OPERATING THE MOWER WILL OVERHEAT AND RAPIDLY RUIN THE OIL WHICH WILL DECREASE THE LIFE OF HYDRAULIC COMPONENTS

02965093

(27) 02965093 OVERSPEED ENGINE



## DANGER

TRANSPORT WITH LEVER IN NEUTRAL POSITION TO PREVENT INADVERTENT UNFOLDING

03200328

(13) 03200328 TRANSPORT W/LEVER IN DETENT



# DANGER

CRUSHING AND PINCH POINTS



MOVING MACHINERY PARTS CAN PINCH OR CRUSH OR FALL- WHICH MAY CAUSE INJURY OR DEATH.

02962765

(11) 02962765 FOLDING HAZARD

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# Pump Drive Shafts Interstater

1. This Section ONLY COVERS Units that were **built after Feb. 1989**, For Units built PRIOR to this it will be required to use DIFFERENT parts books, To DETERMINE IF UNIT IS OLDER than Feb, 1989, The best way is to looked at the front of Unit (Tractor) or the Wing Decks.
  - A. The front of the unit (Tractor) will have independant Oil Coolers (1 for Single Wing & 2 for Dual Wings) mounted on them. These Oil Coolers had Squirrel Cage type fans in them.
  - B. The Wing Decks DID NOT have the Tubes welded to them for OIL Cooling as the Later Models DID, In Feb 1989 the Fan Oil Collers were removed from the front of the Tractor and the Tubes added to the Wing Decks, These Tubes were used to cool Oil by allowing the Air to Flow over the Tubes, The Air and material passing under the deck also help remove the Heat
2. This Section List Installation Drawing Numbers that Should have Been Shipped with the Tractor and Mower when it was purchased. If These Installation Drawing were not saved or cannot be found, The Drawings listed in this Book will replace the Original Drawings. Some components that are on the Drawings arte listed here but NOT ALL parts.
3. Read All insructions & Notes that are listed in this section and that are listed on the Drawings.
4. The Drawings May have been updated or changed since the original Drawings were sent with original Unit, This means that some parts may have been changed or redesigned.
5. Installation was designed for Tractor Specifications as listed on Drawings, In some cases these units were mounted on and/or modified to fit Tractors that varied from these specifications, This was done by Factory on Special Orders, Some by Dealers when they mounted Units and also Some have been modified by the end User's of the equipment. Some of these modifications may not be listed or shown.
6. IMPORTANT: There is two options for the way Lift & Tilt Hydraulic functions are operated.
  - A. Operated by optional Aux Pump (most common way)
  - B. Operated by theTractors Hydraulic System. (least common way)If operating using Aux Pump this is the smaller pump mounted above the primary Pump on front of Tractor. IF operating off the Tractor Hydraulic System there will be NO Aux Pump. This will make a difference in the Coupler that is used to connect Pump to Drive Shaft. When the Aux Pump is Used a Coupler and Pulley Weldment is used (most Common) and without the Aux Pump just a Coupler is used (most Common). While there are Some cases where a Coupler & Pulley Weldment is used without the Aux Pump (Rare)
7. The Drive Belt and Pulley for the Aux. Pump is the same Part No. on all Models, These same part # being shown in all listings is not an entry error.
8. Always review the original Installation Drawing sent with the Unit if possible. If you do not have the original Drawing or the required parts are not found in this Quick Reference list it is recom mended that a replacement Drawing be ordered. These Drawings are also available in the Interstater Installation Drawing Book. Call your Customer Service Dept about this Book.

The Installation Drawing Part Numbers are Listed here for Refeence and ARE NOT SHOWN in this parts Book See Original Installation Drawings Shipped With Unit or Order the ones listed in this Section as Replacements

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## Pump Drive Shafts Interstater CASE - IH

### CASE - 585, 685, 885

#### Type **2- WD - ROPS - Utility - Fabricated Front Bolster - With Aux Pump**

**Tractor Equipped** Utility w/ Fabricated Front Bolster / Cast I-Beam Front Axle  
8 X 4 Transmission w/ 16.9 - 24 Rear Tire, 11L - 15 Front Tire  
9" Frame Ground Clearance, w/ Vertical Exhaust

**Mower Equipped** RHO - Single Right Hand Wing Only **w/ Aux. Pump**

Components	Part No.	Qty.	Description
	803192	1	Installation Drawing
	106581	1	Coupler Pulley Weldment (Aux. Pump Drive)
	107232	1	Drive Shaft
	02958391	1	Pulley Adapter (Connects to Crank Shaft Pulley)
	02766400	4	Bolt (F/ 02958391 Pulley Adapter)
	000018	4	Lockwasher (F/ 02958391 Pulley Adapter)
	02702900	1	Hub Adapter, Splined (Connects to Pulley Adapter)
	00022500	4	Bolt (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

### CASE - 585, 685 & 885

#### Type **2- WD - ROPS - Utility - New Utility Axle - With Aux Pump**

**Tractor Equipped** Utility w/ New Utility Axle  
**Mower Equipped** Dual Wing or RHO = LH & RH Wing (Dual Wing)  
**w/o Aux. Pump, Use Tractor Hyd for Lift & Tilt**

Components	Part No.	Qty	Description
	803108	1	Installation Drawing, <b>Use w/ Dual Wing (685, 885)</b>
	803110	1	Installation Drawing, <b>Use w/ RHO Wing (685, 885)</b>
	803127	1	Installation Drawing, <b>Use w/ RHO Wing (585)</b>
	106514	1	Coupler, Splined, <b>Use w/ Dual Wing</b> (w/o Aux. Pump Only)
	702828	1	Coupler, Splined, <b>Use w/ RHO Wing</b> (w/o Aux Pump)
	106838	1	Drive Shaft, <b>Use w/ Dual Wing (685, 885)</b>
	106843	1	Drive Shaft, <b>Use w/ RHO Wing (685, 885)</b>
	106905	1	Drive Shaft, <b>Use w/ RHO Wing (585)</b>
	02958391	1	Pulley Adapter (Connects to To Crankshaft Pulley)
	02766400	4	Bolt (F/ 02958391 Pulley Adapter)
	000018	4	Lockwasher (F/ 02958391 Pulley Adapter)
	02702900	1	Hub Adapter, Splined (To 02958391 Pulley Adapter)
	00022500	4	Bolt (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

### CASE - 585, 595, 685, 695, 885, 895

#### Type **2- WD - ROPS - Utility - Row Crop Front Bolster - With Aux Pump**

**Tractor Equipped** Utility w/ Row Crop Front Bolster Straight Adj. Front Axle  
8 X 4 Transmission w/ 16.9 - 30 Rear Tire, 9.5L - 15 F1 Front Tire  
12-3/4" Frame Ground Clearance, w/ Vertical Exhaust

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# Pump Drive Shafts Interstater CASE - IH

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<b>Mower Equipped Components</b>	RHO - Single Right Hand Wing Wing w/ Aux. Pump		
	<b>Part No.</b>	<b>Qty</b>	<b>Description</b>
	803126	1	Installation Drawing, <b>Use on 85 Series</b>
	803280	1	Installation Drawing, <b>Use on 95 Series</b>
	106581	1	Coupler Pulley Weldment (Aux. Pump Drive)
	106904	1	Drive Shaft, <b>Use on 85 Series</b>
	107496	1	Drive Shaft, <b>Use on 95 Series</b>
	02702900	1	Hub (To Crankshaft Drive)
	00022500	4	Bolt (F/ 02702900 Hub)
	001095	4	Lockwasher (F/ 02702900 Hub)
	02958391	1	Hub Adapter (F/ 02702900 Hub)
	02766400	4	Bolt (F/ 02958391 Hub Adapter)
	000018	4	Lockwasher (F/ 02958391 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## CASE - 685, 695, 885, 895

### Type **2- WD - ROPS - Utility - Utility Front Bolster - With Aux Pump**

**Tractor Equipped** Utility w/ Utility Front Bolster / Straight Adj. Front Axle  
8 X 4 Transmission w/ 18.4 - 30 R1 Rear Tire, 7.5 - 18 12 Front Tire  
10" Frame Ground Clearance, w/ Vertical Exhaust

**Mower Equipped** Dual Wing or RH 1st = LH & RH Wing or Single Right Hand 1st Wing  
w/ Aux. Pump

<b>Components</b>	<b>Part No.</b>	<b>Qty</b>	<b>Description</b>
	803109	1	Installation Drawing, <b>Use on 85 Series w/ RH 1st Wing</b>
	803107	1	Installation Drawing, <b>Use on 85 Series w/ Dual Wing</b>
	802282	1	Installation Drawing, <b>Use on 95 Series w/ RH 1st Wing</b>
	803281	1	Installation Drawing, <b>Use on 95 Series w/ Dual Wing</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use on 85 or 95 Series w/ Dual Wing</b>
	106581	1	Coupler Pulley Wldmnt, <b>Use on 85 or 95 Series w/ RH 1st Wing</b>
	106838	1	Drive Shaft, <b>Use on 85 Series w/ Dual Wing</b>
	106926	1	Drive Shaft, <b>Use on 95 Series w/ Dual Wing</b>
	106843	1	Drive Shaft, <b>Use on 85 Series w/ RH 1st Wing</b>
	106954	1	Drive Shaft, <b>Use on 95 Series w/ RH 1st Wing</b>
	02702900	1	Hub (To Crankshaft Drive)
	00022500	4	Bolt (F/ 02702900 Hub)
	001095	4	Lockwasher (F/ 02702900 Hub)
	02958391	1	Hub Adapter (F/ 02702900 Hub)
	02766400	4	Bolt (F/ 02958391 Hub Adapter)
	000018	4	Lockwasher (F/ 02958391 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater CASE - IH

## CASE - 585, 595, 685, 695, 885, 895

**Type** 4-WD - ROPS - Mech Front Drive Bolster - With Aux Pump

**Tractor Equipped** Mech Front Drive, Mech Front Drive Bolster, Mech Front Drive Axle  
8 X 4 Transmission w/ 16.9 - 30 R1 Rear Tire, 9.5 - 24 R1 Front Tire  
8" Frame Ground Clearance, w/ Vertical Exhaust

**Mower Equipped** Dual Wing or RH 1st = LH & RH Wing or Single Right Hand 1st Wing  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803221	1	Installation Drawing, <b>Use on 85 Series w/ Dual Wing</b>
	803220	1	Installation Drawing, <b>Use on 85 Series w/ RH 1st Wing</b>
	803286	1	Installation Drawing, <b>Use on 95 Series w/ Dual Wing</b>
	803285	1	Installation Drawing, <b>Use on 95 Series w/ RH 1st Wing</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use on 85 or 95 Series w/ Dual Wing</b>
	106581	1	Coupler Pulley Wldmnt, <b>Use on 85 or 95 Series w/ RH 1st Wing</b>
	106838	1	Drive Shaft, <b>Use on 85 Series w/ Dual Wing</b>
	106843	1	Drive Shaft, <b>Use on 85 Series w/ RH 1st Wing</b>
	106926	1	Drive Shaft, <b>Use on 95 Series w/ Dual Wing</b>
	106954	1	Drive Shaft, <b>Use on 85 Series w/ RH 1st Wing</b>
	107496	1	Drive Shaft
	02702900	1	Hub (To Crankshaft Drive)
	00022500	4	Bolt (F/ 02702900 Hub)
	001095	4	Lockwasher (F/ 02702900 Hub)
	02958391	1	Hub Adapter (F/ 02702900 Hub)
	02766400	4	Bolt (F/ 02958391 Hub Adapter)
	000018	4	Lockwasher (F/ 02958391 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## CASE - 585, 595, 685, 695, 885, 895

**Type** 2-WD - CAB - Utility or Row Crop - w/ Utility Front Bolster -  
With Aux Pump

**Tractor Equipped** w/ Utility Front Bolster, Straight Adj. Axle  
8 X 4 Transmission w/ 16.9 - 28 R1 Rear Tire, 7.5 X 16SL I1 Front Tire  
8" Frame Ground Clearance, w/ Vertical Exhaust

**Mower Equipped** Dual Wing or RH 1st = LH & RH Wing or Single Right Hand 1st Wing  
w/ Aux. Pump for Lift & Tilt

Components	Part No.	Qty	Description
	803196	1	Installation Drawing, <b>Use on 85 Series w/ Dual Wing</b>
	803197	1	Installation Drawing, <b>Use on 85 Series w/ RH 1st Wing</b>
	803283	1	Installation Drawing, <b>Use on 95 Series w/ Dual Wing</b>
	803284	1	Installation Drawing, <b>Use on 95 Series w/ RH 1st Wing</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use on 85 or 95 w/ Dual or RH 1st Wing</b>
	107303	1	Drive Shaft, <b>Use on 85 Series w/ Dual or RH 1st Wing</b>
	106838	1	Drive Shaft, <b>Use on 95 Series w/ Dual or RH 1st Wing</b>
	02963995	1	Pulley Adapter (To Crankshaft Drive)
	02960881	4	Insert Bushing / Grommet (F / 02963995 Pulley Adapter)
	02044900	4	Bolt (F/ 02963995 Pulley Adapter)

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# Pump Drive Shafts Interstater CASE - IH

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Components	Part No.	Qty	Description
	00011700	4	Lockwasher (F/ 02963995 Pulley Adapter)
	00023500	4	Flatwasher (F/ 02963995 Pulley Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## CASE - 5120

### Type

### 4-WD - ROPS - WithOut Aux Pump

### Tractor Equipped

8 X 4 Transmission w/ 16.9 - 34 Max. Rear Tire, 13.6 - 24 Max. Front Tire  
12" Frame Ground Clearance

### Mower Equipped

RHO = RH Wing Only w/ 8" RH Offset Mainframe

**WITH OUT Aux. Pump, Tractor Hyd's used for Lift & Tilt.**

### Components

Part No.	Qty	Description
803332	1	Installation Drawing, <b>Use w/ RHO Wing &amp; Tractor Hyd Lift &amp; Tilt</b>
702785	1	Coupler Pulley Wldmnt (use even though there is <b>no Aux. Pump</b> )
107658	1	Drive Shaft, <b>Use w/ RHO Wing</b>
02963665	1	Pulley Adapter (Connects to Crank Shaft)
02963666	4	Spacer (F/ 02963665 Pulley Adapter)
02964955	4	Bolt (F/ 02963665 Pulley Adapter)
00022200	4	Lockwasher (F/ 02963665 Pulley Adapter)
02702900	1	Hub Adapter, Splined (Connects to Pulley Adapter)
00022500	4	Bolt (F/ 02702900 Hub Adapter)
00022200	4	Lockwasher (F/ 02702900 Hub Adapter)

## CASE - 5120

### Type

### 4-WD - ROPS - With Aux Pump

### Tractor Equipped

8 X 4 Transmission w/ 16.9 - 34 Max. Rear Tire, 13.6 - 24 Max. Front Tire  
12" Frame Ground Clearance

### Mower Equipped

RHO = RH Wing Only w/ 8" RH Offset Mainframe

**WITH Aux. Pump F/ Lift & Tilt**

### Components

Part No.	Qty	Description
803334	1	Installation Drawing, <b>Use w/ RHO Wing</b>
702785	1	Coupler Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux. Pump Drive)
107658	1	Drive Shaft, <b>Use w/ RHO Wing</b>
02963665	1	Pulley Adapter (Connects to Crank Shaft)
02963666	4	Spacer (F/ 02963665 Pulley Adapter)
02964955	4	Bolt (F/ 02963665 Pulley Adapter)
00022200	4	Lockwasher (F/ 02963665 Pulley Adapter)
02702900	1	Hub Adapter, Splined (Connects to Pulley Adapter)
00022500	4	Bolt (F/ 02702900 Hub Adapter)
00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
106599	1	Pulley, (Aux Pump)
001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts

## Interstater

### CASE - IH

#### CASE - C-70, C-80, C-90, C-100

**Type** 2-WD - ROPS - Utility Front Bolster - With Aux Pump

**Tractor Equipped** w/ 16.9 - 28 Max Rear Tire, 11L X 16 Max. Front Tire, w/ 9" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st = LH & RH Wing or Single Right Hand 1st Wing

w/ Aux. Pump, Use 88" Centered Rear Head

Components	Part No.	Qty	Description
	*_____	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	*_____	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	02976821	1	Driveline, <b>Use w/ Dual Wing</b>
	02977492	1	Driveline, <b>Use w/RH 1st Wing</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux. Pump Drive)
	106581	1	Coupler Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> ( Aux. Pump Drive)
	02970426	1	Pulley Adapter, <b>Use w/ RH 1st Wing</b> (To Crankshaft)
	02978123	1	Pulley Adapter, <b>Use w/ Dual Wing</b> (To Crankshaft)
	02960881	4	Insert Bushing / Grommet (F / 02970426 or 02978123 Pulley Adapter)
	02957042	4	Bolt, (F/ 02970426 or 02978123 Pulley Adapter)
	00012101	4	Lockwasher, (F/ 02970426 or 02978123 Pulley Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

\* Installation Drawing is NOT available for these Models at this time (02-15-02)

#### CASE - MX-100, 110 & 120

**Type** 2-WD - CAB - With Aux Pump - With Aux Pump

**Tractor Equipped** 18.4 - 34 Max Rear Tire, 11L X 16 SL Max. Front Tire

12" Frame Ground Clearance,

**Mower Equipped** Dual Wing = LH & RH Wing w/ 5" Offset Frame R & L w/ Aux. Pump, Use 96" Centered Rear Head

Components	Part No.	Qty	Description
	*_____	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	02978420	1	Driveline, <b>Use w/ Dual Wing</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux. Pump Drive)
	02971815	1	Pulley Adapter, Use w/ 02964616 Hub Adapter
	02964616	1	Hub Adapter, Use w/ 02971815 Pulley Adapter
	02954520	4	Steel Sleeve & Rubber Grommet (F/ 02964616 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

\* Installation Drawing is NOT available for these Models at this time (02-15-02)

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## Pump Drive Shafts Interstater FORD - NH

### FORD - 250C, 260C & NEW HOLLAND - 145D, 445D, 545D

#### Type **2-WD - ROPS - With Aux Pump**

**Tractor Equipped** 6 Speed Transmission w/ 18.4 - 30 Max Rear Tire, 7.5 X 16SL Max Front Tire  
12-3/4" Frame Ground Clearance

**Mower Equipped** LH 1st or RH 1st = LH or RH 1st Wing (Single Wing) w/ Aux. Pump, w/ 88" Rear  
or 96" Rear

Components	Part No.	Qty	Description
	02977015	1	Installation Drawing, <b>Use w/ RH 1st w/ 88" Rear Offset RH 8-1/2" &amp; RH 1st w/ 96" Rear Offset LH 5"</b>
	02977016	1	Installation Drawing, <b>Use w/ LH 1st w/ 96" Rear Offset LH 5"</b>
	106581	1	Coupler Pulley Wldmnt,(Aux Pump Drive)
	106583	1	Drive Shaft
	02702900	1	Hub Adapter (To Crankshaft Drive)
	02977017	4	Bolt (F/ 02702900 Hub Adapter)
	00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

### FORD - 3910

#### Type **2-WD - ROPS - With Aux Pump**

**Tractor Equipped** 8 Speed Transmission w/ 13.6 - 28 Rear Tire, 6.0 X 16SL F-2 Front Tire  
11-3/4" Frame Ground Clearance

**Mower Equipped** RHO = Right Hand Wing Only (Single Wing) 8-3/8" RH Offset Mainframe  
w/ Aux. Pump, w/ 88" Rear

Components	Part No.	Qty	Description
	803183	1	Installation Drawing, <b>Use w/ RHO</b>
	106582	1	Coupler Pulley Wldmnt,(Aux Pump Drive)
	106583	1	Drive Shaft
	02702900	1	Hub Adapter (To Crankshaft Drive)
	00022500	4	Bolt (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

### FORD - 3930, 4610 & 4630

#### Type **2-WD - ROPS - With Aux Pump**

**Tractor Equipped** 8 X 2 Transmission w/ 14.9 - 28 R-1 Rear Tire, 7.5 X 16 F-2 Front Tire  
16" Frame Ground Clearance

**Mower Equipped** RHO = Right Hand Wing Only (Single Wing)  
w/ Aux. Pump, w/ 88" Rear

Components	Part No.	Qty	Description
	803079	1	Installation Drawing, <b>Use w/ RHO</b>
	106582	1	Coupler Pulley Wldmnt,(Aux Pump Drive)
	106583	1	Drive Shaft
	02702900	1	Hub Adapter (To Crankshaft Drive)
	00022500	4	Bolt (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater FORD - NH

## FORD - 4610 AP

### Type

### 2-WD - ROPS - With Out Aux Pump

### Tractor Equipped

8 X 2 Transmission w/ 14.9 - 28 R-1 Rear Tire, 7.5 X 16 F-2 Front Tire  
16" Frame Ground Clearance

### Mower Equipped

RHO = Right Hand Wing Only (Single Wing)

**With Out Aux. Pump** Use Tractor Hyd F/ Tilt & Lift, w/ 88" Rear

### Components

Part No.	Qty	Description
803092	1	Installation Drawing, <b>Use w/ RHO</b>
106514	1	Coupler, Splined, ( w/o Aux Pump)
00752228	1	Pin, (Used w/ 106514 Coupler)
106733	1	Drive Shaft
02702900	1	Hub Adapter (To Crankshaft Drive)
00022500	4	Bolt (F/ 02702900 Hub Adapter)
001095	4	Lockwasher (F/ 02702900 Hub Adapter)

## FORD - 4630

### Type

### 4-WD - CAB or ROPS - With Aux Pump

### Tractor Equipped

8 X 2 Transmission w/ 13.6 - 28 Max Rear Tire, 9.5 X 24 Max  
Front Tire, 10" Frame Ground Clearance

### Mower Equipped

RHO = Right Hand Wing Only (Single Wing)

w/ Aux. Pump, w/ 88" Rear

### Components

Part No.	Qty	Description
803226	1	Installation Drawing, <b>Use w/ RHO</b>
106581	1	Coupler Pulley Wldmnt, (Aux Pump Drive)
106583	1	Drive Shaft
702826	1	Hub Adapter (To Crankshaft Drive)
00022500	4	Bolt (F/ 702826 Hub Adapter)
001095	4	Lockwasher (F/ 702826 Hub Adapter)
106599	1	Pulley, (Aux Pump)
001767	1	Drive Belt, (Aux Pump)

## FORD - 5030

### Type

### 2-WD - CAB or ROPS - With Aux Pump

### Tractor Equipped

8 X 2 Transmission w/ 16.9 - 30 R-1 Rear Tire, 7.5 X 16 F-2 Front Tire  
13" Frame Ground Clearance

### Mower Equipped

RH 1st or Dual Wing = Right Hand Wing (Single Wing) or RH & LH Wing  
w/ Aux. Pump

### Components

Part No.	Qty	Description
803359	1	Installation Drawing, <b>Use w/ Dual Wing (Rops)</b>
803364	1	Installation Drawing, <b>Use w/ Dual Wing (Cab)</b>
803361	1	Installation Drawing, <b>Use w/ RH 1st Wing (Rops)</b>
803365	1	Installation Drawing, <b>Use w/ RH 1st Wing (Cab)</b>
702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
106581	1	Coupler Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)

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## Pump Drive Shafts Interstater FORD - NH

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Components	Part No.	Qty	Description
	106585	1	Drive Shaft, <b>Use w/ Dual Wing (Cab or Rops)</b>
	106583	1	Drive Shaft, <b>Use w/ RH 1st Wing (Cab or Rops)</b>
	02702900	1	Hub Adapter (To Crankshaft Drive) <b>(All)</b>
	00022500	4	Bolt (F/ 02702900 Hub Adapter)
	00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

### FORD - 5610, 6610 & 7610

#### Type **2-WD - ROPS - With Out Aux Pump**

**Tractor Equipped** 8 X 2 Transmission w/ 18.4 - 30 Max. Rear Tire, 7.5 X 16 Max. Front Tire  
12" Frame Ground Clearance

**Mower Equipped** Dual Wing, RHO = RH or LH Wing (Dual Wing), RH Wing Only (RHO)  
**With Out Aux. Pump, Use Tractor Hyd F Lift & Tilt**

Components	Part No.	Qty	Description
	803089	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803091	1	Installation Drawing, <b>Use w/ RHO Wing</b>
	106514	1	Coupler Splined, <b>Use w/ Dual Wing</b> (w/o Aux Pump)
	106577	1	Coupler Splined, <b>Use w/ RHO Wing</b> (w/o Aux Pump)
	00752228	1	Pin (Use w/ 106514 or 106577 Coupler)
	106584	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	106733	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02702900	1	Hub Adapter (Connect to Crankshaft)
	00022500	4	Bolt (F/ 02702900 Hub Adapter)
	00022200	4	Lockwasher (F/ 02702900 Hub Adapter)

### FORD - 5610-S, 6610-S & 7610-S

#### Type **2-WD - ROPS - With Aux Pump**

**Tractor Equipped** 8 X 2 Transmission w/ 18.4 - 30 Max. Rear Tire, 7.5 X 16 Max. Front Tire  
12" Frame Ground Clearance

**Mower Equipped** Dual Wing, RH 1st or LH 2nd = Right or Left Hand Wing (Single Wing) or RH & LH Wing  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803391	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803393	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	803391	1	Installation Drawing, <b>Use w/ LH 2nd Wing</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use w/ All</b> (Aux Pump Drive)
	108070	1	Drive Shaft, <b>Use w/ Dual Wing or LH 2nd</b>
	108071	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02966404	1	Pulley Spacer, (To Crankshaft Drive)
	02702900	1	Hub Adapter (To Crankshaft Drive)
	02965355	4	Bolt (F/ 02702900 Hub Adapter)
	00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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## Pump Drive Shafts Interstater FORD - NH

### FORD - 5640-S, 6640-S & 7740-S w/ SL & SLE Package

**Type** 2-WD - CAB & ROPS - With Aux Pump

**Tractor Equipped** 8 X 2 , 16 X 4, 12 X 12, 16 X 16, w/ 18.4 - 34 Max. Rear Tire, 11L X 16 Max. Front Tire  
ROPS = 13" Frame Ground Clearance, CAB = 12-1/2" Frame Ground Clearance

**Mower Equipped** Dual Wing, RH 1st or LH 2nd = Right 1st or Left Hand 2nd Wing (Single to Double Wing)  
or RH & LH Wing (Dual Wing) w/ Aux. Pump for Lift & Tilt

Components	Part No.	Qty	Description
	803329	1	Installation Drawing, <b>Use w/ Dual Wing (CAB)</b>
	803325	1	Installation Drawing, <b>Use w/ Dual Wing or LH 2nd (ROPS)</b>
	803338	1	Installation Drawing, <b>Use w/ RH 1st Wing (CAB)</b>
	803326	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual or LH 2nd (Aux Pump Drive)</b>
	106581	1	Coupler Pulley Wldmnt, <b>Use w/ RH 1st Wing</b>
	107622	1	Drive Shaft, <b>Use w/ Dual or LH 2nd Wing</b>
	107623	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02966404	1	Pulley Spacer, (To Crankshaft Drive)
	02965689	1	Pulley Spacer, <b>Use on 5460 Tractor Only</b> (To Crankshaft Drive)
	02702900	1	Hub Adapter (To Crankshaft Drive)
	02965355	4	Bolt (F/ 02702900 Hub Adapter) <b>Use on 6640 &amp; 7740 Tractor Only</b>
	00753321	4	Bolt (F/ 02702900 Hub Adapter) <b>Use on 5640 Tractor Only</b>
	00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

### FORD - 5640, 6640 & 7740 w/ SL & SLE Package

**Type** 4-WD - CAB & ROPS - With Aux Pump

**Tractor Equipped** 8 X 2 , 16 X 4, 12 X 12, 16 X 16, w/ 18.4 - 34 Max. Rear Tire, 11.2 X 24 Max. Front Tire  
13" Frame Ground Clearance

**Mower Equipped** Dual Wing, or RH 1st or RHO = Right 1st Wing (Single Wing) or RH & LH Wing (Dual Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803406	1	Installation Drawing, <b>Use w/ Dual Wing (CAB)</b>
	803357	1	Installation Drawing, <b>Use w/ Dual Wing (ROPS)</b>
	803338	1	Installation Drawing, <b>Use w/ RHO Wing (CAB)</b>
	803326	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual (Aux Pump Drive)</b>
	106581	1	Coupler Pulley Wldmnt, <b>Use w/ RH 1st Wing (Aux Pump Drive)</b>
	107622	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	107623	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02966404	1	Pulley Spacer, (To Crankshaft Drive)
	02965689	1	Pulley Spacer, <b>Use on 5460 Tractor Only</b> (To Crankshaft Drive)
	02702900	1	Hub Adapter (To Crankshaft Drive)
	02965355	4	Bolt (F/ 02702900 Hub Adapter) <b>Use on 6640 &amp; 7740 Tractor Only</b>
	00753321	4	Bolt (F/ 02702900 Hub Adapter) <b>Use on 5640 Tractor Only</b>
	00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater FORD - NH

## FORD - 6610

**Type** **2-WD - ROPS - With Aux Pump**  
**Tractor Equipped** 8 X 2 Transmission, w/ 18.4 - 34 Max. Rear Tire, 11.2 X 24 Max. Front Tire  
16" Frame Ground Clearance  
**Mower Equipped** Dual Wing, or RH 1st = Right 1st Wing (Single Wing) or RH & LH Wing (Dual Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803088	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803090	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	702785	1	Coupler Pulley Widmnt, <b>Use w/ Dual</b> (Aux Pump Drive)
	106581	1	Coupler Pulley Widmnt, <b>Use w/ RH 1st Wing</b>
	107622	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	107623	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02702900	1	Hub Adapter (To Crankshaft Drive)
	02965355	4	Bolt (F/ 02702900 Hub Adapter)
	00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## FORD - 6610, 7610

**Type** **2-WD - CAB - With Aux Pump**  
**Tractor Equipped** 8 X 2 Transmission w/ 18.4 - 34 Max. Rear Tire, 11L X 16 Max. Front Tire  
10" Frame Ground Clearance  
**Mower Equipped** Dual Wing, RH 1st or LH 2nd = RH & LH Wing (Dual Wing) RH 1st or LH 2nd Wing  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803380	1	Installation Drawing, <b>Use w/ Dual or LH 2nd Wing</b>
	803081	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	106582	1	Coupler Pulley Widmnt, <b>Use w/ Dual, RH 1st or LH 2nd Wing</b> (Aux Pump Drive)
	106740	1	Drive Shaft, <b>Use w/ Dual or LH 2nd Wing</b>
	106738	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02702900	1	Hub Adapter (To Crankshaft Drive)
	000267	4	Bolt (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater FORD - NH

## FORD - 7610

### Type

### 2-WD - ROPS - With Aux Pump

### Tractor Equipped

8 X 2 Transmission w/ 18.4 - 34 Max. Rear Tire, 10 X 16 Max. Front Tire  
11-1/2" Frame Ground Clearance

### Mower Equipped

Dual Wing = RH & LH Wing (Dual Wing)  
w/ Aux. Pump or Tractor Hydraulics for Lift & Tilt

### Components

Part No.	Qty	Description
803080	1	Installation Drawing, <b>Use w/ Dual Wing</b>
106582	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
106740	1	Drive Shaft, <b>Use w/ Dual Wing</b>
02702900	1	Hub Adapter (To Crankshaft Drive)
000267	4	Bolt (F/ 02702900 Hub Adapter)
001095	4	Lockwasher (F/ 02702900 Hub Adapter)
106599	1	Pulley, (Aux Pump)
001767	1	Drive Belt, (Aux Pump)

## FORD - 7710

### Type

### 4-WD - CAB w/ A/C - With Out Aux Pump

### Tractor Equipped

8 X 2 Transmission w/ 18.4 - 34 R-1 Rear Tire, 13.6 X 24 Front Tire  
13-1/4" Frame Ground Clearance

### Mower Equipped

Dual Wing or RHO = RH & LH Wing (Dual Wing) or RH Wing Only (RHO)  
**WITH OUT Aux. Pump, Use Tractor Hyd F/ Lift & Tilt**

### Components

Part No.	Qty	Description
803171	1	Installation Drawing, <b>Use w/ Dual Wing</b>
803173	1	Installation Drawing, <b>Use w/ RHO Wing</b>
702830	1	Coupler, Splined, <b>Use w/ Dual Wing</b> (w/o Aux Pump)
702828	1	Coupler, Splined, <b>Use w/ RHO Wing</b> (w/o Aux Pump)
106926	1	Drive Shaft, <b>Use w/ Dual Wing</b>
106927	1	Drive Shaft, <b>Use w/ RHO Wing</b>
02702900	1	Hub Adapter (To Crankshaft Drive)
000267	4	Bolt (F/ 02702900 Hub Adapter)
001095	4	Lockwasher (F/ 02702900 Hub Adapter)

## FORD - 7710 Series II

### Type

### 2-WD - CAB - With Aux Pump

### Tractor Equipped

8 X 2 Transmission w/ 18.4 - 34 R-1 Rear Tire, 10 X 16 Front Tire  
15-1/4" Frame Ground Clearance

### Mower Equipped

Dual Wing = RH & LH Wing (Dual Wing)  
**WITH Aux. Pump F/ Lift & Tilt**

### Components

Part No.	Qty	Description
803133	1	Installation Drawing, <b>Use w/ Dual Wing</b>
702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
106926	1	Drive Shaft, <b>Use w/ Dual Wing</b>
02702900	1	Hub Adapter (To Crankshaft Drive)
02718900	4	Bolt (F/ 02702900 Hub Adapter)
001095	4	Lockwasher (F/ 02702900 Hub Adapter)
106599	1	Pulley, (Aux Pump)
001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater FORD - NH

## FORD - 7710 Series II

<b>Type</b>	<b>2-WD - CAB - w/ A/C - With Out Aux Pump</b>		
<b>Tractor Equipped</b>	8 X 2 Transmission w/ 18.4 - 34 R-1 Rear Tire, 10 X 16 Front Tire 15-1/4" Frame Ground Clearance		
<b>Mower Equipped</b>	Dual Wing or RHO = RH & LH Wing (Dual Wing), RH Wing Only (Single Wing) <b>WITH OUT Aux. Pump, Tractor Hyd F/ Lift &amp; Tilt</b>		
<b>Components</b>	<b>Part No.</b>	<b>Qty</b>	<b>Description</b>
	803135	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803136	1	Installation Drawing, <b>Use w/ RHO Wing</b>
	702830	1	Coupler, Splined, <b>Use w/ Dual Wing</b> (w/o Aux Pump)
	702828	1	Coupler, Splined, <b>Use w/ RHO Wing</b> (w/o Aux Pump)
	106926	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	106927	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02702900	1	Hub Adapter (Connect to Crankshaft Pulley)
	001094	4	Bolt (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher (F/ 02702900 Hub Adapter)

## FORD - 7710 Series II

<b>Type</b>	<b>4-WD - CAB - w/ A/C - With Aux Pump</b>		
<b>Tractor Equipped</b>	8 X 2 Transmission w/ 18.4 - 34 R-1 Rear Tire, 13.6 X 24 Front Tire 13-1/4" Frame Ground Clearance		
<b>Mower Equipped</b>	Dual Wing or RHO = RH & LH Wing (Dual Wing) or RH Wing Only (RHO) <b>WITH Aux. Pump F/ Lift &amp; Tilt</b>		
<b>Components</b>	<b>Part No.</b>	<b>Qty</b>	<b>Description</b>
	803169	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803172	1	Installation Drawing, <b>Use w/ RHO Wing</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106581	1	Coupler Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux Pump Drive)
	106926	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	106927	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02702900	1	Hub Adapter (To Crankshaft Drive)
	000267	4	Bolt (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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## Pump Drive Shafts Interstater FORD - NH

### FORD - 7810-S

#### Type

#### 2-WD - ROPS - With Aux Pump

#### Tractor Equipped

8 X 2 Transmission w/ 18.4 - 34 Max. Rear Tire, 10 X 16 Max. Front Tire  
12" Frame Ground Clearance

#### Mower Equipped Components

Dual Wing = RH & LH Wing, w/ Aux. Pump, Mainframe Centered

Part No.	Qty	Description
803391	1	Installation Drawing, <b>Use w/ Dual Wing</b>
702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
108070	1	Drive Shaft, <b>Use w/ Dual Wing</b>
02966404	1	Pulley Spacer, (To Crankshaft Drive)
02702900	1	Hub Adapter (To Crankshaft Drive)
02965355	4	Bolt (F/ 02702900 Hub Adapter)
00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
106599	1	Pulley, (Aux Pump)
001767	1	Drive Belt, (Aux Pump)

### FORD - 7840-S, 8240-S & 8340-S w/ SL & SLE Package

#### Type

#### 4-WD - CAB - With Aux Pump

#### Tractor Equipped

18.4 - 34 Max. Rear Tire, 14.9 X 24 Max. Front Tire  
13-1/2" Frame Ground Clearance

#### Mower Equipped

Dual Wing = RH & LH Wing (Dual Wing),  
w/ Aux. Pump

#### Components

Part No.	Qty	Description
803345	1	Installation Drawing, <b>Use w/ Dual Wing</b>
702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
107622	1	Drive Shaft, <b>Use w/ Dual Wing</b>
02966404	1	Pulley Spacer, (To Crankshaft Drive)
02702900	1	Hub Adapter (To Crankshaft Drive)
02965355	4	Bolt (F/ 02702900 Hub Adapter)
00022200	4	Lockwasher (F/ 02702900 Hub Adapter)
106599	1	Pulley, (Aux Pump)
001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater FORD - NH

## FORD / NEW HOLLAND - TN55, TN65, TN70 & TN75

### Type **2-WD - ROPS - With Aux Pump**

Tractor Equipped 16.9 X 30 Max. Rear Tire, 11L X 15 Max. Front Tire

Mower Equipped RHO = RH Wing Only (RHO) w/ 88" Rear Offset 8-1/2" to Right  
w/ Aux. Pump

Components	Part No.	Qty	Description
	*-----	1	Installation Drawing, <b>Use w/ RHO Wing</b>
	106581	1	Coupler Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux Pump Drive)
	107622	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02975110	1	Pulley Adapter (To Crankshaft Drive)
	02977632	1	Spacer, (Use w/ 02975110 Pulley Adapter)
	02960881	3	Grommet, (Use w/ 02975110 Pulley Adapter)
	02977675	3	Bolt, (Attach Spacer to Crankshaft Pulley)
	00022200	3	Lockwasher, (Attach Spacer to Crankshaft Pulley)
	02957042	3	Bolt, (Attach Pulley Adapter to Spacer)
	00022200	3	Lockwasher, (Attach Pulley Adapter to Spacer)
	02975133	1	Drawing, Pulley Adapter & Spacer Installation
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \* Installation Drawing is Not Available at this Time for this Model (02-12-02)

## FORD / NEW HOLLAND - TN55D, TN65D & TN75D

### Type **2-WD - CAB - With Aux Pump**

Tractor Equipped 16.9 X 30 Max. Rear Tire, 9.5L X 15 F2 Max. Front Tire

Mower Equipped RHO = RH Wing Only (RHO) w/ 88" Rear Offset 8-1/2" to Right  
w/ Aux. Pump

Components	Part No.	Qty	Description
	*-----	1	Installation Drawing, <b>Use w/ RHO Wing</b>
	106581	1	Coupler Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux Pump Drive)
	107385	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02975110	1	Pulley Adapter (To Crankshaft Drive)
	02977632	1	Spacer, (Use w/ 02975110 Pulley Adapter)
	02960881	3	Grommet, (Use w/ 02975110 Pulley Adapter)
	02977675	3	Bolt, (Attach Spacer to Crankshaft Pulley)
	00022200	3	Lockwasher, (Attach Spacer to Crankshaft Pulley)
	02957042	3	Bolt, (Attach Pulley Adapter to Spacer)
	00022200	3	Lockwasher, (Attach Pulley Adapter to Spacer)
	02975133	1	Drawing, Pulley Adapter & Spacer Installation
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \* Installation Drawing is Not Available at this Time for this Model (02-12-02)

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# Pump Drive Shafts Interstater FORD - NH

## FORD - TS90, TS100 & TS110

<b>Type</b>	<b>4-WD - CAB &amp; ROPS - With Aux Pump</b>		
<b>Tractor Equipped</b>	16.9 X 30 Max. Rear Tire, 11.2 X 24 Max. Front Tire 11" Frame Ground Clearance		
<b>Mower Equipped</b>	Dual Wing or RHO Wing = RH & LH Wing (Dual Wing) or RH Wing Only (RHO) w/ Aux. Pump		
<b>Components</b>	<b>Part No.</b>	<b>Qty</b>	<b>Description</b>
	803420	1	Installation Drawing, <b>Use w/ Dual Wing (CAB)</b>
	803421	1	Installation Drawing, <b>Use w/ Dual Wing (ROPS)</b>
	803418	1	Installation Drawing, <b>Use w/ RHO Wing (CAB)</b>
	803419	1	Installation Drawing, <b>Use w/ RHO Wing (ROPS)</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106581	1	Coupler Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux Pump Drive)
	108440	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	108454	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02964616	1	Pulley Adapter (To Crankshaft Drive)
	02966404	1	Spacer, (Use w/ 02964616 Pulley Adapter)
	02965355	4	Bolts, (F/ 02964616 & 02966404)
	00022200	4	Lockwasher, (F/ 02964616 & 02966404)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** Installation Drawing for Cab & Rops Model are Different but componets listed here are same

## FORD - TS90, TS100 & TS110

<b>Type</b>	<b>2-WD - CAB &amp; ROPS - With Aux Pump</b>		
<b>Tractor Equipped</b>	18.4 X 30 Max. Rear Tire, 10.00 X 16 Max. Front Tire 11" Frame Ground Clearance		
<b>Mower Equipped</b>	Dual Wing or RHO Wing = RH & LH Wing (Dual Wing) or RH Wing Only (RHO) w/ Aux. Pump		
<b>Components</b>	<b>Part No.</b>	<b>Qty</b>	<b>Description</b>
	803416	1	Installation Drawing, <b>Use w/ Dual Wing (CAB)</b>
	803417	1	Installation Drawing, <b>Use w/ Dual Wing (ROPS)</b>
	803418	1	Installation Drawing, <b>Use w/ RHO Wing (CAB)</b>
	803419	1	Installation Drawing, <b>Use w/ RHO Wing (ROPS)</b>
	702785	1	Coupler Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106581	1	Coupler Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux Pump Drive)
	108440	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	108454	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02964616	1	Pulley Adapter (To Crankshaft Drive)
	02966404	1	Spacer, (Use w/ 02964616 Pulley Adapter)
	02965355	4	Bolts, (F/ 02964616 & 02966404)
	00022200	4	Lockwasher, (F/ 02964616 & 02966404)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 2355, 2555 & 2755 (12 GPM Pump)

### Type **2-WD - CAB - With Aux Pump**

**Tractor Equipped** 8.X 4 Transmission, 18.4 X 28 R-4 Rear Tire, 11L X 16 F-3 Front Tire  
16-3/8" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)  
With Aux. Pump F/ Lift & Tilt

Components	Part No.	Qty	Description
	803184	1	Installation Drawing, <b>Use w/ Dual or LH 2nd Wing (CAB)</b>
	803185	1	Installation Drawing, <b>Use w/ RH 1st Wing (CAB)</b>
	106683	1	Sprocket & Pulley Wldmnt, <b>Use w/ Dual Wing (Aux Pump Drive)</b>
	106757	1	Sprocket & Pulley Wldmnt, <b>Use w/ RH 1st Wing (Aux Pump Drive)</b>
	106679	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106683 or 106757)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02959992	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02959991	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## JOHN DEERE - 2355, 2555 & 2755 (12 GPM Pump)

### Type **2-WD - ROPS - With Aux Pump**

**Tractor Equipped** 8.X 4 Transmission, 16.9 X 30 R-1 Rear Tire, 8.0 X 16 F-3 Front Tire  
16" Frame Ground Clearance

**Mower Equipped** Dual Wing, RH 1st or LH 2nd Wing = RH & LH Wing (Dual Wing) or RH 1st Wing  
(Single Wing), LH 2nd (Add LH Wing to RH 1st)  
With Aux. Pump F/ Lift & Tilt

Components	Part No.	Qty	Description
	803067	1	Installation Drawing, <b>Use w/ Dual or LH 2nd Wing (ROPS)</b>
	803068	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	106683	1	Sprocket & Pulley Wldmnt, <b>Use w/ Dual Wing (Aux Pump Drive)</b>
	106757	1	Sprocket & Pulley Wldmnt, <b>Use w/ RH 1st Wing (Aux Pump Drive)</b>
	106679	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106683 or 106757)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02959992	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02959991	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 2555 & 2755 (12 GPM Pump)

**Type** 2-WD - ROPS - With Out Aux Pump

**Tractor Equipped** 8.X 4 Transmission, 16.9 X 30 R-1 Rear Tire, 8.0 X 16 F-3 Front Tire  
16" Frame Ground Clearance

**Mower Equipped** Dual Wing, RH 1st or LH 2nd Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing), LH 2nd (Add LH Wing to RH 1st)

**WITH OUT Aux. Pump Use Tractor Hyd F/ Lift & Tilt**

Components	Part No.	Qty	Description
	803071	1	Installation Drawing, <b>Use w/ Dual or LH 2nd Wing (ROPS)</b>
	803072	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	106682	1	Sprocket Wldmnt, <b>Use w/ Dual Wing</b> (w/o Aux Pump)
	106756	1	Sprocket Wldmnt, <b>Use w/ RH 1st Wing</b> (w/o Aux Pump)
	106679	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106682 or 106756)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ 106680, 106682 & 106756)
	02959992	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02959991	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)

## JOHN DEERE - 2555 & 2755 (12 GPM Pump)

**Type** 4-WD - ROPS - With Out Aux Pump

**Tractor Equipped** 8.X 4 Transmission, 17.5L X 24 R-4 Rear Tire, 10.5/80 X 16 Front Tire  
8-3/4" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)

**With Out Aux. Pump, Use Tractor Hyd F/ Lift & Tilt**

Components	Part No.	Qty	Description
	803099	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803100	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	106682	1	Sprocket Wldmnt, <b>Use w/ Dual Wing</b>
	106756	1	Sprocket Wldmnt, <b>Use w/ RH 1st Wing</b>
	106679	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106682 or 106756)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02959992	1	Splined Coupler, Connect to Crank Shaft Pulley
	02959993	1	Bushing, Use w/ Both Couplers Drive Shaft End
	02959991	1	Bushing, Use w/ 02959992 Crank Shaft Pulley End

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 2555 & 2755 (23 GPM Pump)

**Type** 2-WD - ROPS - With Out Aux Pump

**Tractor Equipped** 8.X 4 Transmission, 16.9 X 30 R-1 Rear Tire, 8.0 X 16 F-3 Front Tire  
16" Frame Ground Clearance

**Mower Equipped** Dual Wing, RH 1st or LH 2nd Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing), LH 2nd (Add LH Wing to RH 1st)

**WITH OUT Aux. Pump Use Tractor Hyd F/ Lift & Tilt**

Components	Part No.	Qty	Description
	803073	1	Installation Drawing, <b>Use w/ Dual or LH 2nd Wing (ROPS)</b>
	803074	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	106682	1	Sprocket Wldmnt, <b>Use w/ Dual Wing</b> (w/o Aux Pump)
	106756	1	Sprocket Wldmnt, <b>Use w/ RH 1st Wing</b> (w/o Aux Pump)
	106686	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106682 or 106756)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02961107	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02961106	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)

## JOHN DEERE - 2355, 2555 & 2755 (23 GPM Pump)

**Type** 2-WD - ROPS - With Aux Pump

**Tractor Equipped** 8.X 4 Transmission, 16.9 X 30 R-1 Rear Tire, 8.0 X 16 F-3 Front Tire  
16" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)  
With Aux. Pump F/ Lift & Tilt

Components	Part No.	Qty	Description
	803069	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803070	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	106683	1	Sprocket & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106757	1	Sprocket & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	106686	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106683 or 106757)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02959992	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02959991	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 2355, 2555 & 2755 (23 GPM Pump)

**Type** 2-WD - CAB - With Aux Pump

**Tractor Equipped** 8.X 4 Transmission, 18.4 X 28 R-4 Rear Tire, 11L X 16 F-3 Front Tire  
16-3/8" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)  
With Aux. Pump F/ Lift & Tilt

Components	Part No.	Qty	Description
	803186	1	Installation Drawing, <b>Use w/ Dual or LH 2nd Wing</b>
	803187	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	106683	1	Sprocket & Pulley Wldmnt, <b>Use w/ Dual Wing (Aux Pump Drive)</b>
	106757	1	Sprocket & Pulley Wldmnt, <b>Use w/ RH 1st Wing (Aux Pump Drive)</b>
	106686	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106683 or 106757)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02959992	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02959991	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## JOHN DEERE - 2555 & 2755 (23 GPM Pump)

**Type** 4-WD - ROPS - With Out Aux Pump

**Tractor Equipped** 8.X 4 Transmission, 17.5L X 24 R-4 Rear Tire, 10.5/80 X 16 Front Tire  
8-3/4" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)  
**With Out Aux. Pump, Use Tractor Hyd F/ Lift & Tilt**

Components	Part No.	Qty	Description
	803101	1	Installation Drawing, <b>Use w/ Dual Wing (23 GPM Pump)</b>
	803102	1	Installation Drawing, <b>Use w/ RH 1st Wing (23 GPM Pump)</b>
	106682	1	Sprocket Wldmnt, <b>Use w/ Dual Wing (23 GPM Pump)</b>
	106756	1	Sprocket Wldmnt, <b>Use w/ RH 1st Wing (23 GPM Pump)</b>
	106686	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing (23 GPM Pump)</b>
	106680	1	Sprocket (Use w/ 106682 or 106756)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02961107	1	Splined Coupler, Connect to Crank Shaft Pulley
	02959993	1	Bushing, Use w/ Both Couplers Drive Shaft End
	02961106	1	Bushing, Use w/ 02961107 Crank Shaft Pulley End

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 2355, 2555 & 2755 (12 GPM or 23 GPM Pump)

**Type** 4-WD - ROPS - With Aux Pump

**Tractor Equipped** 8.X 4 Transmission, 17.5L X 24 R-4 Rear Tire, 10.5/80 X 16 Front Tire  
8-3/4" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)  
With Aux. Pump F/ Lift & Tilt

Components	Part No.	Qty	Description
	803097	1	Installation Drawing, <b>Use w/ Dual Wing (23 GPM Pump)</b>
	803095	1	Installation Drawing, <b>Use w/ Dual Wing (12 GPM Pump)</b>
	803098	1	Installation Drawing, <b>Use w/ RH 1st Wing (23 GPM Pump)</b>
	803096	1	Installation Drawing, <b>Use w/ RH 1st Wing (12 GPM Pump)</b>
	106683	1	Sprocket & Pulley Wldmnt, <b>Use w/ Dual Wing (Aux Pump Drive)</b>
	106757	1	Sprocket & Pulley Wldmnt, <b>Use w/ RH 1st Wing (Aux Pump Drive)</b>
	106679	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106683 or 106757)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02959992	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02959991	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## JOHN DEERE - 2955 (23 GPM Pump)

**Type** 2-WD - CAB - With Aux Pump

**Tractor Equipped** 8.X 4 Transmission, 18.4 X 34 R-1 Rear Tire, 10.0 X 16 F-2 Front Tire  
14-1/2" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)  
With Aux. Pump F/ Lift & Tilt

Components	Part No.	Qty	Description
	803270	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803271	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing (Aux Pump Drive)</b>
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing (Aux Pump Drive)</b>
	108212	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	108213	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02961107	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02961106	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 2355, 2555 & 2755 (12 GPM or 23 GPM Pump)

### Type **4-WD - ROPS - With Aux Pump**

**Tractor Equipped** 8.X 4 Transmission, 17.5L X 24 R-4 Rear Tire, 10.5/80 X 16 Front Tire  
8-3/4" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803097	1	Installation Drawing, <b>Use w/ Dual Wing (23 GPM Pump)</b>
	803095	1	Installation Drawing, <b>Use w/ Dual Wing (12 GPM Pump)</b>
	803098	1	Installation Drawing, <b>Use w/ RH 1st Wing (23 GPM Pump)</b>
	803096	1	Installation Drawing, <b>Use w/ RH 1st Wing (12 GPM Pump)</b>
	106683	1	Sprocket & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106757	1	Sprocket & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	106679	1	Drive Shaft, <b>Use w/ Dual or RH 1st Wing</b>
	106680	1	Sprocket (Use w/ 106683 or 106757)
	00265000	1	Key, (Use w/ 106680 Sprocket)
	00012400	2	Set Screw, (Use w/ 106680 Sprocket)
	02956992	1	Bolt, (Use w/ 106680 Sprocket)
	02959924	1	Nut, (Use w/ 106680 Sprocket & 02956992 Bolt)
	02873800	1	Chain, (Use w/ Sprocket & Sprocket Pulley)
	02959992	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02959991	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## JOHN DEERE - 2955 (23 GPM Pump)

### Type **2-WD - CAB - With Aux Pump**

**Tractor Equipped** 8.X 4 Transmission, 18.4 X 34 R-1 Rear Tire, 10.0 X 16 F-2 Front Tire  
14-1/2" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = RH & LH Wing (Dual Wing) or RH 1st Wing (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803270	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803271	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	108212	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	108213	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02961107	1	Splined Coupler (Drive Shaft to Crankshaft Connecting)
	02959993	1	Bushing (Use w/ 02959992 Coupler Drive Shaft End)
	02961106	1	Bushing (Use w/ 02959992 Coupler Crankshaft Pulley End)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 5200, 5300, 5400

### Type **2-WD - ROPS - With Aux Pump**

**Tractor Equipped** 9.X 3 Transmission, 14.9 X 28 Rear Tire, 11L X 15 Front Tire  
12" Frame Ground Clearance

**Mower Equipped** RHO Wing = RH Wing Only (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803375	1	Installation Drawing, <b>Use w/ RHO Wing</b>
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux Pump Drive)
	02976379	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02973992	1	Pulley Adapter, ( Connect to Crank Shaft)
	02702900	1	Hub, Splined, (Use w/ 02973992 Pulley Adapter)
	02976344	4	Bolt, (F/ 02702900 Hub)
	00022200	4	Lockwasher, (F/ 02976344 Bolt)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## JOHN DEERE - 5420 & 5520

### Type **2-WD - CAB - With Aux Pump**

**Tractor Equipped** STD. Tire Option = 16.9 X 30 Max Rear Tire, 7.50 X 16 Max Front Tire or  
TURF Tire Option = 22.5LL X 16.1 Max. Rear Tire, 27/12LL X 15 Max Front Tire  
9" Frame Ground Clearance w/ Turf Tire Option

**Mower Equipped** Dual Wing = RH & LH Wing (Dual Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	*_____	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	02970440	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	02973992	1	Pulley Adapter, (Connects to Crankshaft Pulley, Remove existing Spacer & Use The Existing Bolts to Install New Spacer)
	02964604	1	Splined Hub Adapter, (Connects to Pulley Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

NOTE: \* Installation Drawing is Not Available at this Time for this Model (02-12-02)

## JOHN DEERE - 5420 & 5520

### Type **4-WD - CAB - With Aux Pump**

**Tractor Equipped** 16.9 X 30 Max Rear Tire, 11.2 X 24 Max Front Tire  
11" Frame Ground Clearance w/ Turf Tire Option

**Mower Equipped** RHO = RH Wing Only (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	02978185	1	Installation Drawing, <b>Use w/ RHO Wing</b>
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux Pump Drive)
	02965016	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	02973992	1	Pulley Adapter, (Connects to Crankshaft Pulley, Remove existing Spacer & Use The Existing Bolts to Install New Spacer)
	02702900	1	Splined Hub Adapter, (Connects to Pulley Adapter)
	02976344	4	Bolt, (F/ 02702900 Hub Adapter)
	00022200	4	Lockwasher, (F/ 02702900 Hub Adapter)

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 6200, 6300 & 6400

### Type **2-WD - ROPS - With Aux Pump**

**Tractor Equipped** 12 X 4 / 16 X 12 Transmission, 18.4 X 30 Max Rear Tire, 11L X 16 Max Front Tire  
12" Frame Ground Clearance

**Mower Equipped** Dual or RH 1st Wing = LH & RH Wing (Dual Wing), RH Wing 1st (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803384	1	Installation Drawing, <b>Use w/ Dual Wing (ROPS)</b>
	803386	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	107967	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual or RH 1st Wing</b> (Aux Pump Drive)
	*AL70461	1-ref	Drive Shaft Kit, <b>Use w/ Dual or RH 1st Wing</b> , *Order From JD <b>John Deere D/L Kit # AL70461 = Includes the Following Parts</b>
		1	Drive Shaft, (JD Part # Order From JD)
		1	Crankshaft Pulley, (JD Part # Order From JD)
		1	Front Shield w/ Hole F/ Drive Shaft, (JD Part # Order From JD)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \*Use w/ Dual or RH 1st Wing, Special Aux Drive Shaft order as Factory Assemble with Tractor is Order Code No. 8762, Drive Shaft Kit No. AL70461 is for replacement Parts or Field Install Kit Only.

## JOHN DEERE - 6200, 6300 & 6400

### Type **2-WD - CAB - With Aux Pump**

**Tractor Equipped** 12 X 4 / 16 X 12 Transmission, 18.4 X 30 Max Rear Tire, 11L X 16 Max Front Tire  
12-1/2" Frame Ground Clearance

**Mower Equipped** Dual or RH 1st Wing = LH & RH Wing (Dual Wing), RH Wing 1st (Single Wing)  
w/ Aux. Pump, w/ Vertical Exhaust on Left side of Hood.

Components	Part No.	Qty	Description
	803369	1	Installation Drawing, <b>Use w/ Dual Wing (CAB)</b>
	803371	1	Installation Drawing, <b>Use w/ RH 1st Wing (CAB)</b>
Components	Part No.	Qty	Description
	107967	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	107931	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	*AL70461	1-ref	Drive Shaft Kit, <b>Use w/ Dual or RH 1st Wing</b> , *Order From JD <b>John Deere D/L Kit # AL70461 = Includes the Following Parts</b>
		1	Drive Shaft, (JD Part # Order From JD)
		1	Crankshaft Pulley, (JD Part # Order From JD)
		1	Front Shield w/ Hole F/ Drive Shaft, (JD Part # Order From JD)
	704072	1	Special Fuel Tank Kit, <b>Required w/ Dual Wing Installation</b>
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \*Use w/ Dual or RH 1st Wing, Special Aux Drive Shaft order as Factory Assemble with Tractor is Order Code No. 8762, Drive Shaft Kit No. AL70461 is for replacement Parts or Field Install Kit Only.

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 6200, 6300 & 6400

### Type 4-WD - ROPS - With Aux Pump

**Tractor Equipped** 12 X 14 X 12 Transmission, 18.4 X 30 Max Rear Tire, 12.4 X 24 Max Front Tire  
10" Frame Ground Clearance

**Mower Equipped** Dual or RH 1st Wing = LH & RH Wing (Dual Wing), RH Wing 1st (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803383	1	Installation Drawing, <b>Use w/ Dual Wing (ROPS)</b>
	803388	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	107967	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual or RH 1st Wing</b> (Aux Pump Drive)
	*AL70461	1-ref	Drive Shaft Kit, <b>Use w/ Dual or RH 1st Wing</b> , *Order From JD <b>John Deere D/L Kit # AL70461</b> = Includes the Following Parts
		1	Drive Shaft, (JD Part # Order From JD)
		1	Crankshaft Pulley, (JD Part # Order From JD)
		1	Front Shield w/ Hole F/ Drive Shaft, (JD Part # Order From JD)
	704179	1	Special Fuel Tank Kit, <b>Required w/ Dual Wing Installation</b>
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE: \*Use w/ Dual or RH 1st Wing**, Special Aux Drive Shaft order as Factory Assemble with Tractor is Order Code No. 8762, Drive Shaft Kit No. AL70461 is for Replacement Parts or Field Install Kit Only.

## JOHN DEERE - 6200, 6300 & 6400

### Type 4-WD - CAB - With Aux Pump

**Tractor Equipped** 12 X 14 X 12 Transmission, 18.4 X 34 Max Rear Tire, 13.6 X 24 Max Front Tire  
10" Frame Ground Clearance

**Mower Equipped** Dual or RH 1st Wing = LH & RH Wing (Dual Wing), RH Wing 1st (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803447	1	Installation Drawing, <b>Use w/ Dual Wing (CAB)</b>
	803450	1	Installation Drawing, <b>Use w/ RH 1st Wing (CAB)</b>
	107967	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
Components	Part No.	Qty	Description
	02975261	1	Drive Shaft, <b>Use w/ RH 1st Wing Only</b>
	*AL70461	1-ref	Drive Shaft Kit, <b>Use w/ Dual Wing Only</b> , *Order From JD <b>John Deere D/L Kit # AL70461</b> = Includes the Following 3 Parts
		1	Drive Shaft, (JD Part # Order From JD)
		1	Crankshaft Pulley, (JD Part # Order From JD)
		1	Front Shield w/ Hole F/ Drive Shaft, (JD Part # Order From JD)
	704179	1	Special Fuel Tank Kit, <b>Required w/ Dual Wing Installation</b>
	*02973891	1	Pulley Adapter, <b>Use w/ Dual &amp; RH 1st</b> , (Connects to Crank Shaft Pulley)
	108612	1	Pulley Adapter, <b>Use w/ RH 1st Only</b> , (Connects to 02973891)
	02702900	1	Hub Adapter, <b>Use w/ RH 1st Wing Only</b> , (Connects to 108612)
	00765672	4	Bolts (F/ 02702900 Hub Adapter)
	00754586	4	Lockwashers (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE: \*Use w/ Dual Wing**, Special Aux Drive Shaft order as Factory Assemble with Tractor is Order Code No. 8762, Drive Shaft Kit No. AL70461 is for Replacement Parts or Field Install Kit Only. No. 02973891 is a John Deere Pulley Adapter and is Required to Mount these Models

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 6210, 6310 & 6410

### Type **2-WD - ROPS - With Aux Pump**

**Tractor Equipped** 12 X 4 / 16 X 12 Transmission, 18.4 X 30 Max Rear Tire, 11L X 16 Max Front Tire  
12" Frame Ground Clearance

**Mower Equipped** Dual or RH 1st Wing = LH & RH Wing (Dual Wing), RH Wing 1st (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803422	1	Installation Drawing, <b>Use w/ Dual Wing (ROPS)</b>
	803424	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	107967	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual or RH 1st Wing</b> (Aux Pump Drive)
	*AL70461	1-ref	Drive Shaft Kit, <b>Use w/ Dual or RH 1st Wing</b> , *Order From JD <b>John Deere D/L Kit # AL70461 = Includes the Following Parts</b>
		1	Drive Shaft, (JD Part # Order From JD)
		1	Crankshaft Pulley, (JD Part # Order From JD)
		1	Front Shield w/ Hole F/ Drive Shaft, (JD Part # Order From JD)
	*02973891	1	Pulley Adapter, <b>Use w/ Dual &amp; RH 1st</b> , (Connects to Crank Shaft Pulley)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \***Use w/ Dual Wing**, Special Aux Drive Shaft order as Factory Assemble with Tractor is Order Code No. 8762, Drive Shaft Kit No. AL70461 is for Replacement Parts or Field Install Kit Only. No. 02973891 is a John Deere Pulley Adapter and is Required to Mount these Models.

## JOHN DEERE - 6210, 6310 & 6410

### Type **2-WD - CAB - With Aux Pump**

**Tractor Equipped** 12 X 4 / 16 X 12 Transmission, 18.4 X 30 Max Rear Tire, 11L X 16 Max Front Tire  
12-1/2" Frame Ground Clearance

**Mower Equipped** Dual or RH 1st Wing = LH & RH Wing (Dual Wing), RH Wing 1st (Single Wing)  
w/ Aux. Pump, w/ Vertical Exhaust on Left side of Hood.

Components	Part No.	Qty	Description
	803426	1	Installation Drawing, <b>Use w/ Dual Wing (CAB)</b>
	803428	1	Installation Drawing, <b>Use w/ RH 1st Wing (CAB)</b>
	107967	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	107931	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	*AL70461	1-ref	Drive Shaft Kit, <b>Use w/ Dual or RH 1st Wing</b> , *Order From JD <b>John Deere D/L Kit # AL70461 = Includes the Following Parts</b>
		1	Drive Shaft, (JD Part # Order From JD)
		1	Crankshaft Pulley, (JD Part # Order From JD)
		1	Front Shield w/ Hole F/ Drive Shaft, (JD Part # Order From JD)
	*02973891	1	Pulley Adapter, <b>Use w/ Dual &amp; RH 1st</b> , (Connects to Crank Shaft Pulley)
	704072	1	Special Fuel Tank Kit, <b>Required w/ Dual Wing Installation</b>
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \***Use w/ Dual Wing**, Special Aux Drive Shaft order as Factory Assemble with Tractor is Order Code No. 8762, Drive Shaft Kit No. AL70461 is for Replacement Parts or Field Install Kit Only. No. 02973891 is a John Deere Pulley Adapter and is Required to Mount these Models.

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# Pump Drive Shafts Interstater JOHN DEERE

## JOHN DEERE - 6210, 6310 & 6410

**Type** 4-WD - ROPS - With Aux Pump

**Tractor Equipped** 12 X 14 X 12 Transmission, 18.4 X 30 Max Rear Tire, 12.4 X 24 Max Front Tire  
10" Frame Ground Clearance

**Mower Equipped** Dual or RH 1st Wing = LH & RH Wing (Dual Wing), RH Wing 1st (Single Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803430	1	Installation Drawing, <b>Use w/ Dual Wing (ROPS)</b>
	803432	1	Installation Drawing, <b>Use w/ RH 1st Wing (ROPS)</b>
	107967	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual or RH 1st Wing</b> (Aux Pump Drive)
	704179	1	Special Fuel Tank Kit, <b>Required w/ Dual Wing Installation</b>
	*AL70461	1-ref	Drive Shaft Kit, <b>Use w/ Dual or RH 1st Wing</b> , *Order From JD <b>John Deere D/L Kit # AL70461 = Includes the Following Parts</b>
		1	Drive Shaft, (JD Part # Order From JD)
		1	Crankshaft Pulley, (JD Part # Order From JD)
		1	Front Shield w/ Hole F/ Drive Shaft, (JD Part # Order From JD)
	*02973891	1	Pulley Adapter, <b>Use w/ Dual &amp; RH 1st</b> , (Connects to Crank Shaft Pulley)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \*Use w/ Dual Wing, Special Aux Drive Shaft order as Factory Assemble with Tractor is Order Code No. 8762, Drive Shaft Kit No. AL70461 is for Replacement Parts or Field Install Kit Only. No. 02973891 is a John Deere Pulley Adapter and is Required to Mount these Models.

## JOHN DEERE - 7210 & 7410

**Type** 2-WD - CABb - With Aux Pump

**Tractor Equipped** 18.4 X 34 Max Rear Tire, 11.00 X 16 Max Front Tire

**Mower Equipped** Dual Wing = LH & RH Wing (Dual Wing) w/ 96" Centered Rear Mower  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803447	1	Installation Drawing, <b>Use w/ Dual Wing (CAB)</b>
	107967	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	*AL70461	1-ref	Drive Shaft Kit, <b>Use w/ Dual Wing Only</b> , *Order From JD <b>John Deere D/L Kit # AL70461 = Includes the Following 3 Parts</b>
		1	Drive Shaft, (JD Part # Order From JD)
		1	Crankshaft Pulley, (JD Part # Order From JD)
		1	Front Shield w/ Hole F/ Drive Shaft, (JD Part # Order From JD)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \*Use w/ Dual Wing, Special Aux Drive Shaft order as Factory Assemble with Tractor is Order Code No. 8762, Drive Shaft Kit No. AL70461 is for Replacement Parts or Field Install Kit Only.

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# Pump Drive Shafts Interstater MASSEY FERGUSON

## MASSEY FERGUSON - 253

**Type** 2-WD - CAB & ROPS (LAURIN CAB) - With Aux Pump

**Tractor Equipped** 8 X 2 Transmission, 14.9 X 24 R-1 Rear Tire, 7.50 X 16 F-2 Front Tire  
9-1/2" Frame Ground Clearance

**Mower Equipped** RHO = RH Wing Only (Single Wing) w/ Mainframe Offset 14-3/4" Right  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803366	1	Installation Drawing, <b>Use w/ RHO Wings</b>
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RHO Wing</b> (Aux Pump Drive)
	106904	1	Drive Shaft, <b>Use w/ RHO Wing</b>
	107832	1	Pulley Adapter, (Connects to Crank Shaft)
	02960881	3	Bushing / Grommet, (F/ 107832 Pulley Adapter)
	00023100	3	Bolt, (F/ 107832 Pulley Adapter)
	00001300	3	Lockwasher, (F/ 107832 Pulley Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## MASSEY FERGUSON - 283

**Type** 2-WD - ROPS - With Aux Pump

**Tractor Equipped** 8 X 2 Transmission, 18.4 X 30 R-1 Rear Tire, 7.50 X 16 F-2 Front Tire  
12" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = LH & RH Wing (Dual Wing), RH 1st (Single Wing)  
w/ Mainframe Centered, w/ Aux. Pump

Components	Part No.	Qty	Description
	803300	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803302	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	107402	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	107543	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02957693	1	Pulley Adapter, (Connects to Crank Shaft Pulley)
	00007000	4	Bolts, (F/ 02957693 Pulley Adapter)
	000019	4	Lockwasher, (F/ 02957693 Pulley Adapter)
	02702900	1	Hub Adapter, Splined (Connect to Pulley Adapter)
	02957264	4	Bolts, (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher, (F/ 02702900 Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater MASSEY FERGUSON

## MASSEY FERGUSON - 285

**Type** 2-WD - ROPS - With Aux Pump

**Tractor Equipped** 8 X 2 Transmission, 18.4 X 34 R-1 Rear Tire, 10.00 X 16 Front Tire  
13-3/4" Frame Ground Clearance

**Mower Equipped** Dual Wing or RHO Wing= LH & RH Wing (Dual Wing) or Right Wing Only (RHO)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803209	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803210	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	107297	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	107298	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	107294	1	Pulley Adapter, (Connects to Crank Shaft Pulley)
	000131	4	Bolts, (F/ 107294 Pulley Adapter)
	000019	4	Lockwashers (F/ Pulley Adapter)
	02702900	1	Hub Adapter, Splined (Connect to Pulley Adapter)
	00022500	4	Bolts, (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher, (F/ 02702900 Hub Adapter)
	00023500	4	Flatwasher, (F/ 02960878 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## MASSEY FERGUSON - 375 & 383

**Type** 2-WD - ROPS - With Aux Pump

**Tractor Equipped** 8 X 2 Transmission, 15.5 X 38 R-1 Rear Tire, 7.50 X 16 F-2 Front Tire  
11-1/2" Frame Ground Clearance

**Mower Equipped** Dual Wing or RH 1st Wing = LH & RH Wing (Dual Wing), RH 1st (Single Wing)  
w/ Mainframe Centered, w/ Aux. Pump

Components	Part No.	Qty	Description
	803235	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	803233	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	106581	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	107401	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	107385	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02960878	1	Hub Adapter, Splined (Connect to Crank Shaft Pulley)
	000131	4	Bolts, (F/ 02960878 Hub Adapter)
	000019	4	Lockwasher, (F/ 02960878 Hub Adapter)
	00023500	4	Flatwasher, (F/ 02960878 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater MASSEY FERGUSON

## MASSEY FERGUSON - 375 & 383

<b>Type</b>	<b>4-WD - ROPS - With Aux Pump</b>		
<b>Tractor Equipped</b>	8 X 2 Transmission, 18.4 X 30 R-1 Max Rear Tire, 11.2 X 24 R-1 Max Front Tire 11-3/4" Frame Ground Clearance		
<b>Mower Equipped</b>	Dual Wing or RH 1st Wing = LH & RH Wing (Dual Wing), RH 1st (Single Wing) w/ Mainframe Centered, w/ Aux. Pump		
<b>Components</b>	<b>Part No.</b>	<b>Qty</b>	<b>Description</b>
	803340	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	*-----	1	Installation Drawing, <b>Use w/ RH 1st Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	*-----	1	Coupler & Pulley Wldmnt, <b>Use w/ RH 1st Wing</b> (Aux Pump Drive)
	107401	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	*-----	1	Drive Shaft, <b>Use w/ RH 1st Wing</b>
	02960878	1	Splined Hub Adapter (Connects to Crank Shaft Pulley)
	LH081288	4	Bolt, (F/ 02960878 Hub Adapter)
	00022200	4	Lockwasher, (F/ 02960878 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

**NOTE:** \***Use w/ RH 1st Wing**, There are no Part Numbers listed for RH 1st as of this time 02-12-02 even though this Mower combination is listed in Whole Goods Menu.

## MASSEY FERGUSON - 4000 SRS

<b>Type</b>	<b>2-WD - ROPS - With Aux Pump</b>		
<b>Tractor Equipped</b>	N/A		
<b>Mower Equipped</b>	Dual Wing = LH & RH Wing (Dual Wing) w/ Aux. Pump		
<b>Components</b>	<b>Part No.</b>	<b>Qty</b>	<b>Description</b>
	803434	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	108621	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	02974786	1	Hub Adapter, Splined (Connect to Crank Shaft Pulley)
	02957264	4	Bolts, (F/ 02974786 Hub Adapter)
	00022200	4	Lockwasher, (F/ 02974786 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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# Pump Drive Shafts Interstater HESSTON

## HESSTON - 140-90

### Type **2-WD - CAB - With Aux Pump**

**Tractor Equipped** 16 Speed Transmission, 18.4 X 38 R-1 Rear Tire, 11.00 X 16 F-2M Front Tire  
13-1/2" Frame Ground Clearance

**Mower Equipped** Dual Wing = LH & RH Wing (Dual Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803170	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	107402	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	<b>02958360</b>	<b>1</b>	<b>Pulley Adapter, (Connects to Crank Shaft Pulley)</b>
	<b>000018</b>	<b>4</b>	<b>Bolt, (F/ 02958360 Pulley Adapter)</b>
	<b>02958784</b>	<b>4</b>	<b>Lockwasher, (F/ 02958360 Pulley Adapter)</b>
	02702900	1	Splined Hub Adapter (Connects to Pulley Adapter)
	00022200	4	Bolt, (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher, (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

## HESSTON - 140-90

### Type **4-WD - CAB - With Aux Pump**

**Tractor Equipped** 16 Speed Transmission, 18.4 X 38 R-1 Rear Tire, 11.00 X 16 F-2M Front Tire  
13-1/2" Frame Ground Clearance

**Mower Equipped** Dual Wing = LH & RH Wing (Dual Wing)  
w/ Aux. Pump

Components	Part No.	Qty	Description
	803159	1	Installation Drawing, <b>Use w/ Dual Wing</b>
	702785	1	Coupler & Pulley Wldmnt, <b>Use w/ Dual Wing</b> (Aux Pump Drive)
	107402	1	Drive Shaft, <b>Use w/ Dual Wing</b>
	<b>02958360</b>	<b>1</b>	<b>Pulley Adapter, (Connects to Crank Shaft Pulley)</b>
	<b>000018</b>	<b>4</b>	<b>Bolt, (F/ 02958360 Pulley Adapter)</b>
	<b>02958784</b>	<b>4</b>	<b>Lockwasher, (F/ 02958360 Pulley Adapter)</b>
	02702900	1	Splined Hub Adapter (Connects to Pulley Adapter)
	00022200	4	Bolt, (F/ 02702900 Hub Adapter)
	001095	4	Lockwasher, (F/ 02702900 Hub Adapter)
	106599	1	Pulley, (Aux Pump)
	001767	1	Drive Belt, (Aux Pump)

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## CONTROL OPERATIONS

4 Section Control Valve shown. **Figure 1.**

- 1. RH Wing Mower ON/OFF Switch
- 2. LH Wing Mower ON/OFF Switch
- 3. RH Wing Tilt Control Lever
- 4. RH Wing Lift Control Lever
- 5. LH Wing Lift Control Lever
- 6. LH Wing Tilt Control Lecer

RH = Right Hand  
LH = Left Hand

*NOTE: ON/OFF switch is a PULL/PUSH type, PULL is ON, PUSH is OFF. Tractor Starter will not engage unless switch is in the OFF position.*

### Tilt Levers:

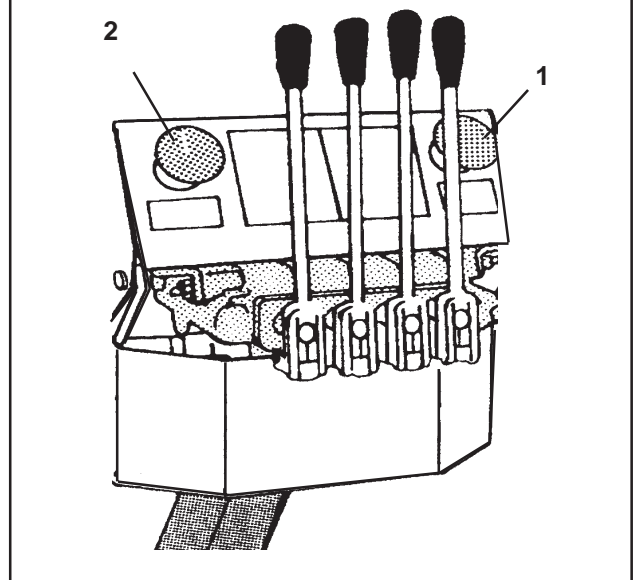
A TILT section has four positions.

"FLOAT"- allows Cutter to "float" while mowing.

"OUT" - lowers outside edge of Cutter unit.

"HOLD" - holds Cutter unit at present angle.

**FIGURE 1**



LEFT SIDE		RIGHT SIDE	
TILT CYL	LIFT CYL	LIFT CYL	TILT CYL
FLOAT	FLOAT	FLOAT	FLOAT
▲	▲	▲	▲
OUT	& DOWN	& DOWN	OUT
▲	▲	▲	▲
HOLD	HOLD	HOLD	HOLD
▼	▼	▼	▼
IN	UP	UP	IN

"IN" - raises outside edge of cutter unit.

*NOTE: A spring in TILT section returns lever to "HOLD" position from "IN" or "OUT" position. A detent holds lever in "FLOAT" position.*

### Lift Levers:

A LIFT section has three positions.

"FLOAT" - allows lift frame to "float" while mowing.

"DOWN" - lowers lift frame & cutter unit.

"HOLD" - holds lift frame & cutter unit at present position.

"UP" - raises lift frame & cutter unit.

*NOTE: A spring in LIFT section returns lever to "HOLD" position from "UP" position only. A detent holds lever in "FLOAT" position.*

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## MODELS CUTTING WIDTHS; Optional Combinations of Decks

11' (IS11).....	50" Wing (1) & 88" Rear (1)	12' (IS12).....	62" Wing (1) & 88" Rear (1)
13' (IS13).....	74" Wing (1) & 88" Rear (1)	14' (IS14).....	88" Wing (1) & 88" Rear (1)
14' - 10" (IN19).....	50" Wing (2) & 88" Rear (1)	16' - 10" (IN17).....	62" Wing (2) & 88" Rear (1)
18' - 10" (IN19).....	74" Wing (2) & 88" Rear (1)	21' - 2" (IN21).....	88" Wing (2) & 88" Rear (1)

**Model Note;** .....In some cases 96" Model Rear Mower is used and not an 88", This is standard on some Installations BUT NOT Most, The 88" Rear is most common, it is done to accomodate modifications to Mounting Frame so Interstater can be mounted to a particular Model Tractor. This could change Cutting width by up to 10" with the Wing frame Modified. Just adding a 96" Mower to rear WILL NOT change cutting width without the Wing Frame Modifications it will only increase the amount of over lap in cutting.

**CUTTER SHAFT :** ..... Speed: ..... 2000 - 2400 RPM  
Cutter Shaft Options: ..... Fine Cut or Coarse Cut (Different Cutter Shaft Used)  
Knife Options: Fine Cut:..... Pin Mounted Standard (Fine Cut)  
Ring Mounted Optional (Rock & Trash)  
Detaching Optional (Pin Mounted Only)  
Course Cut..... Ring Mounted Standard (Coarse Cut)  
Ring Mounted Optional Extreme Service (HD)  
Ring Mounted Detaching Optional (Renovating)  
Bearing: ..... Roller, Self Aligning (in Brg Hsg)  
Drive: ..... Belt Drive W/ Auto Spring Adjusting Idler Pulley

## PUMP - Lift & Tilt, LH or RH Wing, Optional Pump

Drive: ..... Belt Drive Via Front Tractor Engine Drive  
Belt Adjust: ..... Manual, Slotted Bracket & Bolt  
Speed: ..... Tractor Engine RPM Operating & 3500RPM Max.  
Type: ..... Gear Type Fixed Displacement: .44 cu. in. / revolution  
Pressure: ..... 2000 PSI Maximum Operating  
HP: ..... 4.4 HP Normal & 7.6 HP Max. Output  
Flow GPM: ..... 4 GPM Normal @ 2000 RPM & 7 GPM Max. Flow

## PUMP - Wing Motor Supply LH or RH

Speed: ..... 1900 - 2400 RPM  
Rotation: ..... Clockwise (Viewed From Shaft End)  
Type ..... Piston Type Fixed Displ. 2.77 cu.in. / revolution  
HP: ..... 70 HP (Max. Rated Hydraulic HP)  
Flow: ..... 30 GPM (Max. Rated Flow)  
Relief Valve: ..... 4000 PSI Setting  
Speed: ..... 3000 RPM Max.

## MOTOR - LH or RH Wing

Speed: ..... 3600 RPM (Operating)  
Type: ..... Piston Type Fixed Displ. :2.48 cu.in. / revolution  
Rotation:..... Viewed From Shaft End  
Forward Rotation: ..... LH Wing - Clockwise & RH Wing - Counter Clockwise  
Reverse Rotation:..... LH Wing - Counter Clockwise & RH Wing - Clockwise  
Pressure Rating: ..... Operating 4000 PSI at the Motor & Max. 5000 PSI  
Flow Rating: ..... Operating 25 GPM at the Motor & Max. 38 GPM  
Relief Valve Setting: ..... 4000 PSI  
Wing Cut Off ..... Electric Cam Operated Cut off Switch  
Wing Operation..... Up to 60 Deg. Up, Off after 60 Deg Folded

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## CONTROL VALVE ; Motor.....

Pressure: ..... 5000 PSI  
Type: ..... Cartridge Type, Electric Operated  
Open: ..... Electric Solenoid  
Solenoid Requirements: ..... 12 Volt DC  
Fuse Rating:..... 6 Amps 32 Volts Max.  
Switch Rating: ..... 15 Amps 125 Volts AC

## CONTROL VALVE; Wing Lift and / or Fold

Type: ..... Open Center Type  
Construction: ..... Sectional, Bolt on Sections w/ Tie Rods  
Controls: ..... 2 or 4 depending on 1 or 2 Wing Mowers  
Pressure: ..... 2500 PSI  
Flow: ..... 4 GPM Normal Flow & 7 GPM Maximum

## CONTROL CIRCUIT PARAMETERS;

Hyd Gear Pump Speed: ..... 1800 - 2200 RPM  
Hyd oil Flow: ..... 4 GPM at Control Valve  
Relief Valve: ..... 1200 PSI Setting

## PRESSURE RELIEF VALVE ;

Type: ..... Direct Acting Differential Piston Type  
Relief Pressure: ..... 4000 PSI Setting  
Flow Rating: ..... 40 GPM

## FILTRATION;.....

Type: ..... Full Flow  
Size: ..... 10 Micron Absolute  
Location: ..... Return Line Filter

## Hydraulic Cylinders ;

Type:..... Double Acting  
Size: ..... Lift, 3" Bore X 8" Stroke  
Tilt, 3.5" Bore X 9" Stroke  
Pressure: ..... 1500 PSI

## MOWER CUTTING HEIGHT ;

Range: ..... 1/2" to 6 " (1/2" Increments)  
Height Adjustment: ..... Roller and / or Caster Wheel

## ROLLER; Standard & Optional

Type:..... Standard..... Steel, Steel  
Option..... Rubber Covered (1/4" Thick Pad)  
Shaft..... Hex (old style was round)  
Bearing: ..... Bearing in Sealable Housing  
Adjustment: ..... Bracket w/ Selection of Holes for Height.

## CASTER WHEELS; Optional Only

Type: ..... Solid or Pneumatic Option  
Adjustment: ..... Series of Bolt Holes  
Brackets : ..... Weld to Deck  
Available: ..... For Wings or Rear Decks

## GREASE ; Required

Type: ..... # 2 Lithium Base Brg Grease / EP90 Gear Oil

## HYDRAULIC OIL ;.....

Capacity: ..... 25 Gal. Total System Fill Capacity.  
Type: ..... Hydraulic Oil  
Temperature: ..... 190 Deg. F. Max. (Operating)  
Level Indicator..... Sight Glass Mounted on Side of Tank

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## HOSE END FITTING TORQUE SPECS: Hose End Type:37 Degree Angle

End Steel Hose End Fittings\*




Dash Size	Nominal Cyl. Size (in.)	Torque in. lbs.	Torque ft .lbs.
-4	1/4"	140	12
-6	3/8"	230	19
-8	1/2"	450	38
-10	5/8"	650	54
-12	3/4"	900	75
-16	1"	1200	100
-20	1-1/4"	1600	133
-24	1-1/2"	2000	167
-32	2"	2800	233

\* Straight Threads do not always seal better when higher torques are used. Too much torque causes distortion and may lead to leakage. DO NOT over torque fittings and DO NOT allow any contaminations to enter system through fittings when installing them.





## TORQUE VALUES - BOLTS: Recommended Torque, Ft lbs & (Nm)

**IMPORTANT !** Listed below IS DRY BOLT TORQUE and NOT APPLICATION TORQUE, Component Application Torque will vary depending on what is bolted down and the type material (Metal) that is being bolted together. Thread condition and lubrication will make Torque vary.

### Inche Sizes

Bolt Dia. inch	2 (B)	5 (D)	8 (F)
	 Plain Head	 3 Dashes	 6 Dashes
1/4	5.5 (7.5)	10 (14)	14 (19)
5/16	11 (15)	20 (27)	30 (41)
3/8	20 (27)	35 (47)	50 (68)
7/16	35 (47)	55 (75)	80 (108)
1/2	55 (75)	85 (115)	120 (163)
9/16	75 (102)	130 (176)	175 (230)
5/8	105 (142)	170 (230)	240 (325)
3/4	185 (251)	300 (407)	425 (576)
7/8	160 (217)	445 (603)	685 (929)
1	250 (339)	670 (908)	1030 (1396)
1-1/8	330 (447)	910 (1234)	1460 (1979)
1-1/4	480 (651)	1250 (1695)	2060 (2793)
1-3/8	700 (949)	1550 (2100)	2550 (3457)
1-1/2	930 (1261)	2100 (2847)	3350 (4542)

### Metric Sizes

Bolt Dia. mm	 4.8	 8.8	 10.9	 12.9
	6	5	7	12
8	11	20	25	35
10	20	40	58	70
12	37	70	105	120
14	60	100	140	190
16	92	155	200	300
18	118	216	280	410
20	160	270	355	580
22	215	330	430	800
24	285	500	700	1000
27	450	875	1000	1500
30	600	1200	1700	2000
33	800	1600	2300	2900
36	900	2100	3000	3900

(Newton-Meters) To Convert from ft. lbs to Newton Meters Multiply ft. lbs by 1.356

**ALWAYS CHECK MARKINGS ON TOP OF BOLT HEAD  
OR OTHER BOLT DESCRIPTIONS**

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1. See Serial Numbers & Serial Number Model Prefix in these Pages to determine when Unit was shipped, after this is determined use that Date to match the Dates at the top of the Parts Page to determine what Parts are needed.
2. S/N's will include Prefix (Example IN19-55604), The prefix determines which Heads are used and must be used to determine which size Unit you have. See Prefix Below for size.

IS50 = 11 ft.	Used	1 - 50" Wing	&	1 - 88" Rear (Rare Model)	also IS11
IS62 = 12 ft.	Used	1 - 62" Wing	&	1 - 88" Rear (or 96" Rear)	also IS12
IS74 = 13 ft.	Used	1 - 74" Wing	&	1 - 88" Rear (or 96" Rear)	also IS13
IS88 = 14 ft.	Used	1 - 88" Wing	&	1 - 88" Rear (or 96" Rear)	also IS14
IN15 = 15 ft.	Used	2 - 50" Wings	&	1 - 88" Rear (Rare Model)	
IN17 = 17 ft.	Used	2 - 62" Wings	&	1 - 88" Rear (or 96" Rear)	
IN19 = 19 ft.	Used	2 - 74" Wings	&	1 - 88" Rear (or 96" Rear)	
IN21 = 21 ft.	Used	2 - 88" Wings	&	1 - 88" Rear (or 96" Rear)	

**ALLWAYS INCLUDE THE PREFIX IN WITH SERIAL NUMBER, The same Serial Number is used on DIFFERENT SIZE UNIT but the Prefix WILL NOT be the Same on different size Units!**

3. Model Identification, The best way is to see the Serial Number Plates on Decks. If this is not available measure the over all with of Decks from outside side skirt to opposite outside side skirt, DEDUCT about 5 to 6 " from this and it will give you an approximate cutting width for each Deck, Check these widths against Chart above to determine which model you have.
4. S/N's with "L" or "R" in them indicate Left or Right Wing, These are usually refered to as RHO (RH Wing Only). But there is also a RH 1st. (RH Wing First) which means that it will use the same frames and many of the same components as the Dual Wing will. It is important to know which model you have when ordering mounting parts and/or components.
5. S/N's ending with "D" indicate Duplicate, This S/N was used twice. In some cases there was time between the usage and sometime within the same time frame.
6. S/N's with Prefix IN15, IN17, IN19, IN21 are Dual Wings (L & R) with a 88" Rear deck & in some cases a 96" Rear Deck. The numbers in prefix is the cutting width. Note: a 96" Rear Deck will not effect the cutting width so much because it is used on some units only because the Wing Decks have to be moved out for Tractor Clearence.  
S/N's with IS50, IS62, IS74 & IS88 are single Wing (L or R Only but not both) Units and will have a 88" Rear Deck or can also have the 96" in some case to accomidate the Tractor Mounting.
7. When ordering Parts that are Tractor Mounting Components or Hydraulic Pump Drive Components it WILL be required to know what Type & Model of Tractor as well as how Tractor was equipped, This could include Tire sizes, Cab or Rops, Factory Cab or Add on Cab, 2 Wheel or 4 Wheel Drive, Axle Type, Bolster Type, Transmission Type, Equipped with or with out Aux. Pump Option, as well as other information as required.
8. When ordering Parts for Deck it will be required to know what size they are (see above Prefix.) and in some cases it will be rquired to know what the part looks like or how it is shaped. In this book there are a number of descriptions and/or statements about how something is built or shaped. a good example is the Cutter Shaft & Knives. There are 2 DIFFERENT Cutter Shafts that use DIFFERENT Knives and Knife Hangers, These WILL NOT interchange between these two Cutter Shafts. Course Cut WILL ONLY use Course Cut Knives anf Fine Cut WILL ONLY use Fine Cut Knives
9. There are possible some Serial Numbers that are not listed and there are possible some Serial Numbers that wer enever used.

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### S/N 0000 to S/N 18370

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
0000.....	IN19.....	09/98	13342.....	IN21.....	05/91	17263.....	IS74.....	04/97
0000.....	IS88.....	09/97	13344.....	IN21.....	06/91	17294.....	IN21.....	07/97
00000.....	IN19.....	08/99	13348.....	IN19.....	06/91	17503.....	IN19.....	02/98
0001.....	IN19.....	09/98	13349.....	IN21.....	06/91	17506.....	IN19.....	02/98
00762.....	IN19.....	12/98	13350.....	IN21.....	06/91	17611.....	IS74.....	11/97
00763.....	IN19.....	12/98	13351.....	IN21.....	06/91	17612.....	IN21.....	11/97
00777.....	IS74.....	01/99	13363.....	IN19.....	06/91	17615.....	IS74.....	11/97
00802.....	IN19.....	04/99	13364.....	IN19.....	06/91	17616.....	IN21.....	01/98
00835.....	IN21.....	06/99	13368.....	IN21.....	06/91	17617.....	IN21.....	01/98
00853.....	IN21.....	11/99	13369.....	IN17.....	06/91	17931.....	IN21.....	09/98
00854.....	IN21.....	11/99	13371.....	IN19.....	06/91	17933.....	IN21.....	11/98
00856.....	IN19.....	09/99	13372.....	IN19.....	06/91	17935.....	IN21.....	10/98
00879.....	IN21.....	12/99	13373.....	IN19.....	06/91	17981.....	IN21.....	02/99
01018.....	IN19.....	03/00	13374.....	IN19.....	06/91	17982.....	IS74.....	09/98
01030.....	IN21.....	05/00	13375.....	IN19.....	06/91	17994.....	IN19.....	08/98
01071.....	IN21.....	05/00	14103.....	IS74.....	09/92	17998.....	IS74.....	11/97
01072.....	IN21.....	05/00	15405.....	IN21.....	06/96	18001.....	IN21.....	08/98
01073.....	IN21.....	05/00	16406.....	IN21.....	04/96	18002.....	IN21.....	08/98
045940B....	IN19.....	12/96	16484.....	IN21.....	04/96	18006.....	IN21.....	08/98
049361B....	IN19.....	12/96	16485.....	IN21.....	04/96	18024.....	IS88.....	08/98
049362B....	IN19.....	12/96	16540.....	IN19.....	06/96	18059.....	IN19.....	10/98
052243.....	IS74.....	03/00	16542.....	IN21.....	07/96	18073.....	IS88.....	08/98
055680.....	IN21.....	03/95	16551.....	IN19.....	06/98	18074.....	IS88.....	09/98
055781.....	IN21.....	07/96	16552.....	IN19.....	06/96	18090.....	IN17.....	10/98
056024.....	IN19.....	01/95	16557.....	IS74.....	10/97	18112.....	IS88.....	11/98
056441.....	IS74.....	05/96	16607.....	IN21.....	10/96	18116.....	IS88.....	11/98
064567B....	IN19.....	09/97	16686.....	IS74.....	04/97	18117.....	IS88.....	11/98
1.....	IN19.....	09/98	16689.....	IN21.....	10/96	18118.....	IN21.....	12/98
1.....	IN21.....	09/99	16811.....	IN21.....	10/96	18119.....	IS88.....	11/98
1.....	IS74.....	03/96	16819.....	IS74.....	10/97	18120.....	IS88.....	11/98
10005.....	IS74.....	02/00	16841.....	IN17.....	10/96	18121.....	IS88.....	11/98
10021.....	IN19.....	01/00	16850.....	IS74.....	10/97	18122.....	IN21.....	11/98
1010175....	IN19.....	09/99	16853.....	IS74.....	10/97	18122.....	IS88.....	11/98
10676.....	IN21.....	10/96	16854.....	IS74.....	10/97	18123.....	IS88.....	11/99
11761.....	IN19.....	03/89	16855.....	IS74.....	10/97	18124.....	IS88.....	11/98
11773.....	IN19.....	03/89	16856.....	IS74.....	10/97	18125.....	IS88.....	11/98
125080B....	IS62.....	07/99	16683.....	IN19.....	08/97	18143.....	IN21.....	02/99
13198.....	IS74.....	03/00	16865.....	IN19.....	11/96	18144.....	IN21.....	02/99
H-13198....	IS74.....	03/00	17019.....	IN21.....	08/97	18145.....	IN21.....	02/99
13198-H....	IS74.....	03/00	17022.....	IS74.....	08/97	18146.....	IN21.....	02/99
13264.....	IN17.....	05/91	17026.....	IN19.....	07/97	18147.....	IN21.....	12/98
13266.....	IN19.....	05/91	17052.....	IN19.....	07/97	18170.....	IS88.....	12/98
13267.....	IN19.....	05/91	17084.....	IN19.....	04/97	18171.....	IS88.....	12/98
13308.....	IN19.....	05/91	17190.....	IN19.....	07/97	18172.....	IS88.....	12/98
13321.....	IN19.....	06/91	17200.....	IN19.....	07/97	18251.....	IN21.....	03/99
13322.....	IN19.....	06/91	17211.....	IN19.....	07/97	18284.....	IN21.....	05/99
13325.....	IN19.....	05/91	17254.....	IS74.....	04/97	18368.....	IS74.....	04/98
13334.....	IN19.....	06/91	17258.....	IS74.....	04/97	18369.....	IS74.....	04/98
13341.....	IN21.....	05/91	17262.....	IS74.....	04/97	18370.....	IS74.....	04/98

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## S/N 18371 to S/N 55527

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
18371.....	IS74.....	04/98	4.....	IN19.....	03/02	55436.....	IN19.....	05/91
18372.....	IS74.....	04/98	44691.....	IN21.....	01/00	55438.....	IN19.....	05/91
18373.....	IS74.....	04/98	45940B....	IN19.....	12/96	55439.....	IN19.....	06/91
18441.....	IN21.....	05/99	46156.....	IS74.....	09/95	55440.....	IN21.....	06/91
18443.....	IS88.....	05/99	49361B....	IN19.....	12/96	55442.....	IN19.....	08/91
18444.....	IN21.....	05/99	49362B....	IN19.....	12/96	55443.....	IN19.....	05/91
18461.....	IN21.....	10/99	5.....	IN19.....	03/02	55444.....	IN19.....	05/91
18505.....	IN21.....	07/99	51354L.....	IN17.....	08/98	55446.....	IN19.....	06/91
18506.....	IN21.....	07/99	51355R....	IN17.....	08/98	55447.....	IN19.....	05/91
18507.....	IN21.....	07/99	51356.....	IS62.....	08/98	55448.....	IN19.....	05/91
18508.....	IN21.....	09/99	51357.....	IS62.....	09/98	55449.....	IN21.....	06/91
18509.....	IN21.....	07/99	51372.....	IS62.....	03/99	55451.....	IN21.....	06/91
18510.....	IN21.....	07/99	51373.....	IS62.....	04/99	55452.....	IN21.....	06/91
18511.....	IN21.....	07/99	513742....	IN17.....	05/99	55453.....	IN21.....	05/91
18514R....	IS88.....	08/99	51394.....	IS62.....	09/99	55454.....	IN21.....	05/91
18515RH..	IN21.....	09/99	51395.....	IS62.....	10/99	55450.....	IN21.....	06/91
18516.....	IN21.....	08/99	51396.....	IS62.....	10/99	55455.....	IN19.....	06/91
18573.....	IS88.....	08/99	51397.....	IS62.....	08/99	55457.....	IN19.....	06/91
18590.....	IN21.....	09/99	51398.....	IS62.....	10/99	55457.....	IS74.....	03/92
18591.....	IN21.....	09/99	51399.....	IS62.....	09/99	55466.....	IN19.....	06/91
18592.....	IS88.....	08/99	52243.....	IS74.....	03/00	55467.....	IN19.....	06/91
18655.....	IN19.....	01/00	53972.....	IN19.....	01/90	55468.....	IN19.....	06/91
18659.....	IN19.....	01/00	53973.....	IN19.....	01/90	55470.....	IN19.....	06/91
18690.....	IN19.....	01/00	53974.....	IN19.....	01/90	55471.....	IS88.....	01/93
18693.....	IN19.....	01/00	53975.....	IN19.....	02/90	55491.....	IN19.....	06/91
19317.....	IN21.....	06/00	53976.....	IN19.....	02/90	55500.....	IS62.....	08/91
19355.....	IN21.....	06/00	53977.....	IN19.....	02/90	55501.....	IS62.....	08/91
2.....	IN21.....	09/99	53978.....	IN19.....	02/90	55502.....	IS62.....	08/91
2.....	IN19.....	03/02	53979.....	IN19.....	02/90	55503.....	IS62.....	09/91
20382.....	IS88.....	06/02	53980.....	IN19.....	02/90	55504.....	IS62.....	11/91
21173.....	IS74.....	03/00	53981.....	IN19.....	02/90	55505.....	IS62.....	03/92
H-21173...	IS74.....	03/00	53982.....	IN19.....	02/90	55506.....	IS62.....	03/92
21173-H...	IS74.....	03/00	53983.....	IN19.....	03/90	55507.....	IS62.....	04/92
282490....	IN19.....	05/91	53984.....	IN19.....	03/90	55508.....	IS62.....	06/92
3.....	IN19.....	03/02	55016.....	IN19.....	11/95	55509.....	IS62.....	07/92
30238.....	IS74.....	08/01	55042.....	IN19.....	09/95	55510.....	IN17.....	11/92
L-30238....	IS74.....	08/01	55085.....	IN19.....	11/89	55511.....	IS62.....	12/92
30238-L....	IS74.....	08/01	55088.....	IN19.....	05/95	55512.....	IN17.....	01/93
310641M...	IS74.....	05/99	55089.....	IN19.....	05/95	55513.....	IS62.....	04/93
310642M...	IS74.....	05/99	55206.....	IS88.....	07/96	55514.....	IS62.....	05/93
311722M...	IS74.....	01/00	5533.....	IS74.....	10/95	55515.....	IS62.....	05/93
311723M...	IS74.....	01/00	55342.....	IN19.....	09/91	55516.....	IS62.....	05/93
311724M...	IS74.....	01/00	55343.....	IN19.....	06/91	55517.....	IS62.....	05/93
311805M...	IS74.....	01/00	55345.....	IS74.....	09/92	55518.....	IS62.....	05/93
35804.....	IN21.....	04/97	55346.....	IN19.....	10/92	55519.....	IN17.....	08/93
35805.....	IN21.....	04/97	55347.....	IN19.....	10/92	55520.....	IN17.....	05/93
363214M...	IN19.....	01/00	55372.....	IN17.....	05/91	55522.....	IS62.....	07/93
363215M...	IN19.....	01/00	55373.....	IN17.....	06/91	55523.....	IS62.....	08/93
363216M...	IN19.....	01/00	55384.....	IS62.....	01/93	55524.....	IN17.....	08/93
363217M...	IN19.....	01/00	55385.....	IS62.....	01/93	55525.....	IN17.....	08/93
363218M...	IN19.....	01/00	55386.....	IS62.....	01/93	55526.....	IN17.....	08/93
363221M...	IN19.....	01/00	55387.....	IS62.....	01/93	55527.....	IN17.....	08/93

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### S/N 55528 to S/N 55654

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
55528.....	IN17.....	08/93	55580.....	IS62.....	05/96	55625.....	IN21.....	05/93
55529.....	IN17.....	08/93	55580.....	IS88.....	09/91	55625.....	IS74.....	07/91
55530.....	IN17.....	08/93	55581.....	IS62.....	05/96	55626.....	IN21.....	05/93
55531.....	IN17.....	08/93	55581.....	IS88.....	09/91	55626.....	IS74.....	08/91
55532.....	IS62.....	09/93	55582.....	IN21.....	10/91	55627.....	IN21.....	05/93
55533.....	IS62.....	10/93	55582.....	IS62.....	05/96	55627.....	IS74.....	07/91
55534.....	IN19.....	11/93	55583.....	IS62.....	05/96	55628.....	IN21.....	05/93
55535.....	IS62.....	01/94	55583.....	IS88.....	09/91	55628.....	IS74.....	08/91
55539.....	IS62.....	03/94	55584.....	IS62.....	05/96	55629.....	IN21.....	05/93
55540.....	IS62.....	05/94	55585.....	IS62.....	05/96	55630.....	IN21.....	06/93
55541.....	IS62.....	05/94	55585.....	IS88.....	11/91	55630.....	IS74.....	08/91
55541.....	IS62.....	05/94	55586.....	IN21.....	02/92	55631.....	IN21.....	06/93
55543.....	IS62.....	05/94	55586.....	IS62.....	05/96	55631.....	IS74.....	08/91
55544.....	IS62.....	04/94	55587.....	IN21.....	02/92	55632.....	IS74.....	08/91
55545.....	IS62.....	04/94	55587.....	IS62.....	05/96	55633.....	IN21.....	07/93
55546.....	IS62.....	06/94	55588.....	IS62.....	05/96	55633.....	IS74.....	08/91
55547.....	IS62.....	07/94	55588.....	IS88.....	02/92	55634.....	IN21.....	07/93
55548.....	IN19.....	10/95	55589.....	IS62.....	01/96	55634.....	IS74.....	08/91
55548.....	IN17.....	08/94	55589.....	IS88.....	02/92	55635.....	IN21.....	09/93
55551.....	IS62.....	09/94	55590.....	IN21.....	04/92	55635.....	IS74.....	08/91
55553.....	IS62.....	09/94	55590.....	IS62.....	05/96	55636.....	IN21.....	07/93
55554.....	IS62.....	10/94	55591.....	IS62.....	05/96	55636.....	IS74.....	08/91
55555.....	IS62.....	11/94	55591.....	IS88.....	04/92	55637.....	IS88.....	08/93
55556.....	IS62.....	11/94	55592.....	IN21.....	04/92	55637.....	IS74.....	08/91
55557.....	IN17.....	11/94	55592.....	IS62.....	05/96	55638.....	IN21.....	09/93
55558.....	IN17.....	11/94	55593.....	IN21.....	04/92	55638.....	IS74.....	08/91
55559.....	IN17.....	12/94	55593.....	IS62.....	05/96	55639.....	IN21.....	09/93
55559.....	IS62.....	01/96	55594.....	IS62.....	05/96	55639.....	IS74.....	08/91
55560.....	IN17.....	12/94	55594.....	IS88.....	05/92	55640.....	IS74.....	08/91
55560.....	IS62.....	01/96	55595.....	IS62.....	05/96	55641.....	IS74.....	09/91
55561.....	IS62.....	03/95	55595.....	IS88.....	05/92	55642.....	IS74.....	09/91
55562.....	IS62.....	03/95	55596.....	IS62.....	11/99	55643.....	IN21.....	10/93
55563.....	IS62.....	04/95	55596.....	IS88.....	06/92	55643.....	IS74.....	09/91
55564.....	IS62.....	04/95	55598.....	IS88.....	05/92	55644.....	IS88.....	11/93
55565.....	IS62.....	04/96	55599.....	IS88.....	05/92	55644.....	IS74.....	09/91
55566.....	IN17.....	05/95	55600.....	IS88.....	05/92	55645.....	IN21.....	12/93
55566.....	IS74.....	09/95	55601.....	IS88.....	05/92	55645.....	IS74.....	09/91
55567.....	IN19.....	01/96	55602.....	IS88.....	06/92	55646.....	IS88.....	12/93
55568.....	IS62.....	11/95	55604.....	IN21.....	08/92	55646.....	IS74.....	09/91
55570.....	IS74.....	07/96	55605.....	IN21.....	08/92	55647.....	IS74.....	09/91
55572.....	IS62.....	01/96	55608.....	IN21.....	11/92	55648.....	IS74.....	10/91
55573.....	IS62.....	11/95	55609.....	IS88.....	12/92	55649.....	IN21.....	12/93
55574.....	IS62.....	11/95	55610.....	IS88.....	12/92	55649.....	IS74.....	10/91
55575.....	IS62.....	12/95	55614.....	IN21.....	01/93	55650.....	IS74.....	10/91
55575.....	IS88.....	08/91	55615.....	IN21.....	01/93	55651.....	IS88.....	02/94
55576.....	IS62.....	04/96	55616.....	IN21.....	01/93	55651.....	IS74.....	10/91
55576.....	IS88.....	08/91	55619.....	IS88.....	04/93	55652.....	IS88.....	02/94
55577.....	IS62.....	05/96	55620.....	IS88.....	04/93	55652.....	IS74.....	10/91
55577.....	IS88.....	08/91	55621.....	IS88.....	04/93	55653.....	IS88.....	02/94
55578.....	IS62.....	05/96	55622.....	IS88.....	03/93	55653.....	IS74.....	09/91
55579.....	IS62.....	05/96	55623.....	IS88.....	04/93	55654.....	IS88.....	02/94
55579.....	IS88.....	08/91	55624.....	IS88.....	04/93	55654.....	IS74.....	09/91

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### S/N 55655 to S/N 55770

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
55655	IS88	02/94	55682	IN21	02/95	55712	IS74	05/92
55655	IS74	09/91	55682	IS74	12/91	55713	IS74	03/92
55656	IS88	02/94	55683	IS88	05/95	55715	IS74	04/92
55656	IS74	09/91	55683	IS74	12/91	55716	IS74	04/92
55657	IS88	02/94	55684	IN21	05/95	55717	IN21	01/00
55657	IS74	09/91	55684	IS74	12/91	55717	IS74	04/92
55658	IN21	02/94	55685	IN21	10/95	55718	IS74	05/92
55658	IS74	09/91	55685	IS74	01/92	55719	IN19	04/92
55659	IN21	03/94	55686	IN21	05/95	55720	IN19	04/92
55659	IS74	09/91	55686	IS74	01/92	55720	IN21	01/00
55660	IS74	09/91	55687	IN19	01/92	55721	IN19	04/92
55661	IN21	04/94	55688	IN19	01/92	55722	IN19	04/92
55661	IS74	09/91	55688	IN21	10/95	55724	IS74	04/92
55662	IN21	04/94	55689	IN19	02/92	55725	IS74	04/92
55662	IS74	09/91	55689	IN21	11/95	55726	IS74	04/92
55663	IN21	04/94	55690	IN19	02/92	55727	IS74	05/92
55663	IS74	09/91	55691	IN19	02/92	55728	IS74	04/92
55664	IN19	10/91	55691	IN21	04/96	55729	IS74	04/92
55664	IN21	12/95	55692	IN21	11/95	55730	IS74	04/92
55665	IS88	04/94	55692	IS74	06/92	55731	IS74	05/92
55665	IS74	09/91	55693	IN21	12/95	55732	IS74	05/92
55666	IS88	06/94	55693	IS74	02/92	55733	IS74	05/92
55666	IS74	09/91	55694	IN19	02/92	55734	IS74	05/92
55667	IN21	07/94	55694	IN21	12/95	55737	IS74	05/92
55667	IS74	10/91	55695	IN21	11/95	55738	IS74	05/92
55668	IN21	08/94	55695	IS74	02/92	55739	IS74	05/92
55668	IS74	10/91	55696	IN21	07/96	55740	IS74	05/92
55669	IN21	08/94	55697	IN19	03/92	55741	IS74	06/92
55670	IN19	10/91	55697	IN21	12/95	55742	IS74	06/92
55670	IN21	08/94	55698	IN19	03/92	55743	IS74	05/92
55671	IN21	08/94	55698	IN21	01/96	55744	IS74	06/92
55671	IS74	10/91	55699	IN19	03/92	55745	IS74	06/92
55672	IN21	08/94	55699	IN21	01/96	55746	IS74	08/92
55672	IS74	10/91	55700	IN19	03/92	55747	IN19	04/92
55673	IN21	09/94	55700	IN21	03/96	55748	IN19	09/92
55673	IS74	10/91	55701	IN19	03/92	55749	IS74	06/92
55674	IN21	09/94	55701	IN21	03/96	55750	IS74	06/92
55674	IS74	11/91	55702	IN19	03/92	55751	IS74	07/92
55675	IN21	09/94	55702	IN21	03/96	55752	IS74	07/92
55675	IS74	11/91	55703	IN21	01/96	55753	IS74	07/92
55676	IN21	12/94	55703	IS74	03/92	55754	IS74	07/92
55676	IS74	12/91	55704	IN21	01/96	55759	IS74	07/92
55677	IN21	12/94	55704	IS74	03/92	55760	IS74	02/92
55677	IS74	11/91	55705	IN21	03/96	55761	IS74	07/92
55678	IN21	12/94	55706	IS88	04/96	55762	IS74	07/92
55678	IS74	11/91	55706	IS74	03/92	55763	IS74	07/92
55679	IN21	12/94	55707	IN19	04/92	55764	IS74	07/92
55679	IS74	11/91	55708	IS74	03/92	55765	IN19	08/92
55680	IN21	12/95	55709	IS74	05/92	55766	IN19	08/92
055680	IN21	03/95	55710	IS74	05/92	55767	IN19	08/92
55681	IN21	02/95	55711	IS88	05/96	55769	IS74	08/92
55681	IS74	11/91	55711	IS74	05/92	55770	IS74	08/92

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### S/N 55771 to S/N 55855

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
55771.....	IN19.....	09/92	55803.....	IN21.....	01/97	55836.....	IN21.....	11/99
55772.....	IN19.....	09/92	55803.....	IS74.....	01/93	55837.....	IN19.....	05/93
55773.....	IN19.....	08/92	55804.....	IS74.....	01/93	55837.....	IN21.....	05/93
55774.....	IS74.....	09/92	55805.....	IN19.....	12/92	55837.....	IS88.....	12/99
55775.....	IS74.....	08/92	55806.....	IN19.....	01/93	L-55837....	IS88.....	12/99
55776.....	IS74.....	08/92	55807.....	IN21.....	04/97	55837-L....	IS88.....	12/99
55777.....	IS74.....	08/92	55808.....	IS88.....	04/97	55838.....	IN19.....	04/93
55778.....	IN19.....	09/92	55809.....	IN21.....	07/97	L55838....	IS88.....	01/00
55778.....	IS74.....	05/96	55809D....	IN21.....	07/97	55838L....	IS88.....	01/00
55779.....	IN19.....	09/92	55810.....	IN21.....	06/97	55839.....	IN19.....	05/93
55779.....	IN21.....	05/96	55811.....	IS74.....	01/93	55840.....	IN19.....	05/93
55747.....	IN19.....	04/92	55811.....	IN21.....	06/97	55841.....	IS74.....	05/93
55748.....	IN19.....	09/92	55812.....	IN21.....	06/97	55842.....	IN21.....	02/00
55765.....	IN19.....	08/92	55812.....	IS74.....	01/93	55842.....	IS74.....	05/93
55766.....	IN19.....	08/92	55813.....	IS74.....	02/93	55843.....	IN21.....	02/00
55780.....	IN19.....	09/92	55813D....	IS74.....	06/97	55843.....	IS74.....	04/93
55781.....	IN21.....	07/96	55814.....	IS74.....	02/93	55844.....	IN21.....	03/00
55781.....	IS74.....	09/92	55815.....	IN21.....	08/97	55844.....	IS74.....	05/93
55782.....	IN21.....	09/96	55815.....	IS74.....	02/93	55845.....	IN21.....	03/00
55782.....	IS88.....	09/96	55816.....	IS88.....	06/97	55845.....	IS74.....	07/93
55782.....	IS74.....	09/92	55816.....	IS74.....	03/93	55846.....	IN19.....	06/93
55783.....	IN21.....	07/96	55817.....	IN21.....	10/97	55846.....	IS88.....	05/00
55783.....	IS74.....	09/92	55817.....	IS74.....	03/93	55846-L....	IS88.....	05/00
55784.....	IN21.....	09/96	55818.....	IN19.....	02/93	55847.....	IN21.....	09/00
55784.....	IS74.....	09/92	55818.....	IN21.....	10/97	55848.....	IN21.....	05/00
55785.....	IN19.....	09/92	55819.....	IS88.....	04/98	55848.....	IS74.....	05/93
55785.....	IN21.....	09/96	55820.....	IN21.....	10/97	55849.....	IS88.....	05/00
55787.....	IN19.....	10/92	55820.....	IS74.....	03/93	55850.....	IS88.....	05/00
55788.....	IN19.....	10/92	55822.....	IN21.....	10/97	55850.....	IS74.....	05/93
55789.....	IN21.....	09/96	55823.....	IN19.....	03/93	55851.....	IS88.....	05/00
55790.....	IN21.....	09/96	55823.....	IS88.....	10/97	55851.....	IS74.....	05/93
55790.....	IS74.....	10/92	55824.....	IN19.....	06/93	55852.....	IS62.....	07/96
55792.....	IN21.....	10/96	55824.....	IN21.....	11/97	55852.....	IS88.....	05/00
55793.....	IN19.....	10/92	55825.....	IS88.....	12/97	55852.....	IS74.....	05/93
55793.....	IN21.....	10/96	55826.....	IN19.....	04/93	55853.....	IN21.....	06/00
55791.....	IN19.....	10/92	55826.....	IN21.....	01/98	55853.....	IS62.....	07/96
55792.....	IN19.....	10/92	55827.....	IN21.....	01/98	55853.....	IS88.....	06/00
55794.....	IN19.....	11/92	55827.....	IS74.....	04/93	55853.....	IS74.....	05/93
55794.....	IN21.....	10/96	55828.....	IN19.....	04/93	55853-L....	IS88.....	06/00
55795.....	IN21.....	10/96	55829.....	IN21.....	02/98	55853-R....	IS88.....	06/00
55796.....	IN19.....	11/92	55829.....	IS74.....	04/93	55854.....	IN21.....	07/00
55797.....	IS88.....	11/96	55830.....	IN19.....	04/93	55854.....	IS62.....	08/96
55797.....	IS74.....	10/92	55831.....	IN19.....	04/93	55854.....	IS74.....	05/93
55798.....	IN21.....	11/96	55831.....	IS88.....	04/98	55854.....	IS88.....	06/00
55798.....	IS74.....	10/92	55832.....	IN19.....	04/93	R-55854....	IS88.....	06/00
55799.....	IN21.....	12/96	55832.....	IS88.....	02/99	55854-R....	IS88.....	06/00
55799.....	IS74.....	12/92	55833.....	IN19.....	04/93	L-55854....	IS88.....	06/00
55800.....	IN19.....	12/92	55833.....	IS88.....	03/99	55854-L....	IS88.....	06/00
55800.....	IN21.....	12/96	55834.....	IN19.....	04/93	55855.....	IN19.....	08/93
55801.....	IN19.....	01/93	55834.....	IS88.....	03/99	55855.....	IN21.....	06/00
55802.....	IN19.....	12/92	55835.....	IN19.....	04/93	55855.....	IS62.....	10/96
55802.....	IN21.....	02/97	55835.....	IN21.....	05/99			

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## S/N 55856 to S/N 55904

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
55856	IN19	08/93	55874	IN19	07/93	55891-L	IS88	06/01
55856	IN21	07/00	55874	IS62	04/97	55892	IN19	08/93
55856	IS62	10/96	55874	IN21	08/02	55892	IS62	06/97
LR-55856	IS88	07/00	55875	IN19	07/93	55892	IS88	07/01
55856-R	IS88	07/00	55875	IS62	04/97	55892	IS74	08/93
55859-L	IS88	07/00	55875	IS88	06/01	55893	IN19	08/93
55857	IN19	05/93	55876	IN19	09/93	55893	IN21	08/01
55857	IN17	10/96	55876	IN21	07/01	55894	IN17	07/97
55857	IN21	07/00	55876	IS62	04/97	55894	IN19	08/93
LR-55857	IS88	07/00	55877	IN21	05/01	55894	IS88	09/01
55857-R	IS88	07/00	55877	IS62	04/97	55895	IS88	09/01
55857-L	IS88	07/00	55877	IS88	07/01	55895	IS74	08/93
55858	IS62	11/96	55877	IS74	07/93	55896	IN19	08/93
55858	IS74	06/93	55878	IS62	04/97	55895	IN17	08/97
55858	IS88	07/00	55878	IS74	07/93	55896	IN17	08/97
55859	IN19	07/00	L-55878	IS88	05/01	55896-R	IS88	03/02
55859	IS74	06/93	55878-L	IS88	05/01	55896-L	IS88	03/02
55859	IS62	11/96	55879	IN21	06/01	55896	IN21	03/02
55860	IN19	07/00	55879	IS62	04/97	55897	IS62	10/97
55860	IS74	06/93	55879	IS74	07/93	55897	IS74	08/93
55861	IN21	09/00	55880	IN21	04/01	55897-L	IS88	03/02
55861	IS74	06/93	55880	IS62	04/97	55897-R	IS88	03/02
55862	IS62	11/96	55880	IS74	07/93	55897	IN21	03/02
55862	IS74	05/93	55881	IN21	04/01	55898	IS74	08/93
55863	IN19	06/93	55881	IS62	04/97	55898	IS88	07/02
55863	IS62	11/96	55882	IS62	04/97	55899	IS74	08/93
55864	IN19	05/93	L-55882	IS88	06/01	55900	IN21	10/01
55864	IS62	11/96	55882-L	IS88	06/01	55900	IS62	12/97
55865	IS74	05/93	55883	IN21	05/01	55900	IS74	08/93
55866	IN21	09/00	55883	IS62	04/97	55900	IS88	10/01
55866	IS74	06/93	55883	IS74	07/93	55901	IN17	02/98
55867	IN19	07/93	55884	IN19	07/93	55901D	IN17	07/98
55867	IN21	09/00	55884	IS62	04/97	55901	IN21	02/98
55867	IS62	03/97	55885	IS62	04/97	55901	IS62	03/99
55868	IS62	03/97	55885	IS74	07/93	55901	IS74	08/93
55868	IS88	10/00	55886	IS62	04/97	55901	IS88	10/01
55868	IS74	06/93	55886	IS74	07/93	55902	IN17	02/98
55869	IS62	03/97	55887	IS62	04/97	55902	IN19	08/93
55869	IS88	10/00	55887	IS74	07/93	55902	IN21	10/01
55869	IS74	07/93	55888	IN21	06/01	55902	IS62	03/99
55870	IN21	01/01	55888	IS62	04/97	55903	IN17	04/98
55870	IS62	04/97	55888	IS74	07/93	55903	IN21	12/01
55870	IS74	07/93	55889	IS62	04/97	55903	IS62	06/00
55871	IN21	06/01	R-55889	IS88	06/01	55903	IS74	08/93
55871	IS62	04/97	55889-R	IS88	06/01	55903-R	IS88	12/01
55871	IS74	07/93	55890	IN21	06/01	55903-L	IS88	12/01
55872	IN21	06/01	55890	IS62	04/97	55903	IN21	12/01
55872	IS62	04/97	55890	IS74	08/93	55904	IN21	12/01
55872	IS74	07/93	55891	IS62	06/97	55904	IS62	05/00
55873	IN19	07/93	55891	IS74	08/93	55904	IS74	08/93
55873	IS62	04/97	55891	IS88	06/01	55904-L	IS88	12/01
55873	IS88	07/02	L-55891	IS88	06/01	55904-R	IS88	12/01

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### S/N 55904 to S/N 56015

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
55904.....	IN21.....	12/01	55924.....	IS62.....	06/01	55963.....	IS74.....	04/94
55905.....	IN17.....	04/98	55925.....	IN19.....	02/94	55964.....	IS74.....	05/94
55905.....	IS62.....	06/00	55925.....	IS62.....	07/01	55965.....	IS74.....	05/94
55905.....	IS74.....	08/93	55926.....	IN19.....	02/94	55966.....	IS74.....	05/94
55905-L.....	IS88.....	12/01	55920.....	IS62.....	07/01	55967.....	IS74.....	05/94
55905.....	IN21.....	12/01	55927.....	IN19.....	01/91	55968.....	IS74.....	05/94
55906.....	IN19.....	09/93	55927.....	IS62.....	09/01	55969.....	IS74.....	05/94
55906.....	IS62.....	06/00	55928.....	IN19.....	02/94	55970.....	IS74.....	05/94
55907.....	IN19.....	11/93	55928.....	IS62.....	10/01	55971.....	IS74.....	05/94
55907-R.....	IS88.....	12/01	55929.....	IN19.....	02/94	55972.....	IS74.....	05/94
55907-L.....	IS88.....	12/01	55929-L.....	IS88.....	08/02	55973.....	IS74.....	05/94
55907.....	IN21.....	12/01	55930.....	IS74.....	02/94	55974.....	IS74.....	05/94
55907.....	IS62.....	06/00	55930-L.....	IS88.....	08/02	55975.....	IS74.....	05/94
55908.....	IS62.....	08/00	55931.....	IS62.....	12/01	55976.....	IS74.....	05/94
55909.....	IS62.....	07/00	55931.....	IS74.....	02/94	55977.....	IS74.....	05/94
55908-R.....	IS88.....	02/02	55932.....	IS62.....	12/01	55978.....	IS74.....	05/94
55908-L.....	IS88.....	02/02	55932.....	IS74.....	02/94	55979.....	IN19.....	06/94
55909.....	IS74.....	10/93	55933.....	IN19.....	02/94	55980.....	IN19.....	06/94
55909.....	IN21.....	06/02	55934.....	IN19.....	02/94	55971.....	IN19.....	05/94
55910.....	IS74.....	10/93	55934.....	IS74.....	02/94	55982.....	IN19.....	05/94
55910D.....	IS74.....	08/00	55935.....	IN19.....	02/94	55983.....	IS74.....	06/94
55910.....	IN21.....	06/02	55936.....	IN19.....	02/94	55984.....	IS74.....	05/94
55911.....	IS62.....	08/00	55937.....	IS74.....	02/94	55985.....	IN19.....	06/94
55911.....	IS74.....	10/93	55938.....	IN19.....	03/94	55986.....	IN19.....	06/94
55911-R.....	IS88.....	08/02	55938-R.....	IS62.....	02/02	55987.....	IN19.....	06/94
55912.....	IN17.....	09/00	55939.....	IN19.....	03/94	55988.....	IN19.....	07/94
55912.....	IN19.....	11/93	55940.....	IS74.....	03/94	55989.....	IN19.....	06/94
55912.....	IS88.....	08/02	55941.....	IS74.....	03/94	55990.....	IN19.....	08/94
55913.....	IS74.....	11/93	55942.....	IS74.....	03/94	55990.....	IN21.....	02/96
55913-R.....	IS88.....	03/02	55943.....	IS74.....	03/94	55991.....	IN19.....	08/94
55913-R.....	IS88.....	03/02	55943.....	IS62.....	07/02	55992.....	IS74.....	06/94
55913.....	IN21.....	03/02	55944.....	IS74.....	03/94	55993.....	IS74.....	07/94
55914.....	IS74.....	12/93	55944.....	IS62.....	07/02	55994.....	IS74.....	11/94
55915.....	IS74.....	12/93	55945.....	IN19.....	03/94	55995.....	IS74.....	09/95
55915-R.....	IS88.....	08/02	55945.....	IS62.....	07/02	55995.....	IN19.....	07/94
55916.....	IN19.....	12/93	55946.....	IN19.....	06/94	55996.....	IN19.....	07/94
55916.....	IS62.....	11/00	55947.....	IN19.....	04/94	55997.....	IN19.....	07/94
55917.....	IN19.....	12/93	55948.....	IS74.....	03/94	55998.....	IN19.....	07/94
55917.....	IS62.....	11/00	55949.....	IS74.....	03/94	55999.....	IN19.....	07/94
55918.....	IS62.....	11/00	55950.....	IN19.....	07/94	56000.....	IN19.....	07/94
55918.....	IS74.....	01/94	55951.....	IN19.....	04/94	56001.....	IS74.....	07/95
55918.....	IS88.....	09/02	55952.....	IS74.....	05/94	56002.....	IS74.....	07/95
55918.....	IN21.....	08/02	55953.....	IS74.....	05/94	56003.....	IS74.....	07/95
55919.....	IN17.....	03/01	55954.....	IS74.....	05/94	56004.....	IS74.....	08/95
55920.....	IS62.....	03/01	55955.....	IS74.....	05/94	56006.....	IS74.....	07/95
55921.....	IN19.....	01/94	55956.....	IN19.....	04/94	56007.....	IS74.....	08/95
55921.....	IS62.....	06/01	55957.....	IN19.....	05/94	56008.....	IS74.....	07/95
55922.....	IS62.....	03/01	55958.....	IN19.....	06/94	56010.....	IN19.....	08/94
55922.....	IS74.....	01/94	55959.....	IN19.....	06/94	56011.....	IS74.....	08/95
55923.....	IN17.....	02/01	55960.....	IS74.....	05/94	56012.....	IS74.....	08/95
55923.....	IS74.....	01/94	55961.....	IS74.....	05/94	56013.....	IS74.....	08/95
55924.....	IN19.....	02/94	55962.....	IS74.....	05/94	56014.....	IS74.....	09/95
						56015.....	IS74.....	09/95

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### Interstater

### S/N 56016 to S/N 56192

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
56016.....	IN19.....	10/94	56061.....	IN19.....	03/95	56122.....	IS74.....	11/95
56016.....	IS74.....	09/95	56062.....	IN19.....	03/95	56123.....	IN19.....	10/95
56017.....	IN19.....	10/94	56062.....	IS74.....	02/96	56123.....	IS74.....	09/95
56018.....	IN19.....	10/94	56063.....	IN19.....	03/95	56124.....	IS74.....	07/95
56019.....	IN19.....	10/94	56064.....	IN19.....	03/95	56125.....	IS74.....	07/95
56020.....	IN19.....	11/94	56065.....	IN19.....	03/95	56126.....	IS74.....	07/95
56021.....	IN19.....	11/94	56066.....	IN19.....	03/95	56128.....	IN19.....	10/95
56022.....	IS74.....	11/94	56066.....	IS74.....	08/96	56129.....	IS74.....	12/95
56023.....	IN19.....	01/95	56067.....	IN19.....	03/95	56140.....	IS74.....	10/95
56024.....	IN19.....	01/95	56068.....	IN19.....	04/95	56146.....	IN19.....	12/95
56024.....	IS74.....	09/95	56069.....	IN19.....	04/95	56147.....	IS74.....	10/95
056024.....	IN19.....	01/95	56070.....	IN19.....	04/95	56149.....	IN19.....	06/96
56025.....	IN19.....	11/94	56070.....	IS74.....	10/95	56149.....	IS74.....	10/95
56027.....	IN19.....	12/94	56071.....	IN19.....	04/95	56149D.....	IS74.....	02/96
56029.....	IN19.....	12/94	56072.....	IN19.....	04/95	56150.....	IN19.....	08/95
56030.....	IN19.....	12/94	56073.....	IS74.....	04/95	56152.....	IS74.....	09/95
56030.....	IS74.....	09/95	56074.....	IN19.....	04/95	56154.....	IS74.....	09/95
56031.....	IN19.....	12/94	56075.....	IS74.....	04/95	56155.....	IS74.....	09/95
56032.....	IN19.....	12/94	56076.....	IS74.....	05/95	56156.....	IS74.....	11/95
56033.....	IN19.....	12/94	56077.....	IS74.....	05/95	56157.....	IN19.....	09/95
56034.....	IS74.....	12/94	56079.....	IN19.....	05/95	56158.....	IS74.....	09/95
56035.....	IN19.....	12/94	56080.....	IS74.....	05/95	56159.....	IN19.....	09/95
56036.....	IN19.....	12/94	56081.....	IS74.....	05/95	56159.....	IS74.....	12/95
56037.....	IN19.....	12/95	56083.....	IN19.....	05/95	56160.....	IS74.....	09/95
56037.....	IS74.....	02/95	56084.....	IN19.....	05/95	56161.....	IS74.....	09/95
56038.....	IS74.....	02/95	56085.....	IN19.....	05/95	56163.....	IN19.....	09/95
56039.....	IN19.....	01/95	56086.....	IS74.....	05/95	56164.....	IN19.....	09/95
56040.....	IN19.....	01/95	56087.....	IN19.....	05/95	56165.....	IN19.....	09/95
56040.....	IS74.....	11/95	56090.....	IS74.....	05/95	56167.....	IS74.....	02/96
56041.....	IN19.....	01/95	56091.....	IN19.....	05/95	56168.....	IN19.....	11/95
56042.....	IS74.....	02/95	56092.....	IN19.....	05/95	56169.....	IN19.....	06/95
56043.....	IS74.....	02/95	56092.....	IS74.....	09/95	56169.....	IS74.....	11/95
56044.....	IS74.....	02/95	56093.....	IN19.....	05/95	56170.....	IS74.....	11/95
56045.....	IN19.....	11/95	56094.....	IN19.....	05/95	56171.....	IN19.....	11/95
56045.....	IS74.....	02/95	56095.....	IN19.....	05/95	56171.....	IS74.....	11/95
56046.....	IS74.....	02/95	56096.....	IS74.....	05/95	56172.....	IN19.....	11/95
56047.....	IS74.....	02/95	56097.....	IS74.....	05/95	56173.....	IN19.....	11/95
56048.....	IN19.....	02/95	56098.....	IS74.....	05/95	56174.....	IN19.....	11/95
56049.....	IS74.....	02/95	56099.....	IS74.....	05/95	56175.....	IN19.....	11/95
56050.....	IS74.....	02/95	56100.....	IS74.....	05/95	56176.....	IN19.....	11/95
56051.....	IS74.....	02/95	56101.....	IN19.....	05/95	56177.....	IN19.....	12/95
56052.....	IS74.....	02/95	56102.....	IS74.....	05/95	56178.....	IN19.....	12/95
56053.....	IS74.....	02/95	56103.....	IS74.....	05/95	56179.....	IN19.....	12/95
56054.....	IS74.....	02/95	56105.....	IS74.....	10/95	56180.....	IN19.....	12/95
56055.....	IN19.....	02/95	56108.....	IN19.....	06/95	56181.....	IN19.....	12/95
56056.....	IS74.....	02/95	56108.....	IS74.....	10/95	56183.....	IN19.....	12/95
56057.....	IS74.....	02/95	56109.....	IN19.....	06/95	56184.....	IN19.....	12/95
56058.....	IS74.....	02/95	56112.....	IS74.....	11/95	56185.....	IN19.....	05/96
56059.....	IN19.....	03/95	56113.....	IS74.....	09/95	56186.....	IS74.....	01/96
56059.....	IN19.....	01/96	56114.....	IN19.....	09/95	56187.....	IS74.....	01/96
56059.....	IS74.....	11/95	56117.....	IS74.....	10/95	56190.....	IS74.....	03/96
56060.....	IN19.....	03/95	56119.....	IS74.....	11/95	56192.....	IN19.....	05/96
						56192.....	IS74.....	06/96

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### S/N 56193 to S/N 56557

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
56194.....	IN19.....	05/96	56446.....	IN19.....	06/96	56505.....	IS74.....	04/97
56196.....	IS74.....	01/96	56447.....	IS74.....	06/96	56506.....	IS74.....	04/97
56198.....	IS74.....	04/96	56448.....	IS74.....	05/96	56507.....	IS74.....	04/97
56199.....	IS74.....	04/96	56449.....	IS74.....	05/96	56508.....	IS74.....	04/97
56200.....	IS74.....	04/96	56450.....	IS74.....	05/96	56509.....	IS74.....	04/97
56201.....	IS74.....	04/96	56451.....	IN19.....	06/96	56510.....	IS74.....	04/97
56202.....	IS74.....	04/96	56452.....	IN19.....	06/96	56511.....	IS74.....	08/97
56204.....	IN19.....	05/96	56453.....	IS74.....	06/96	56512.....	IS74.....	04/97
56207.....	IS74.....	05/96	56454.....	IS74.....	06/96	56513.....	IS74.....	04/97
56208.....	IN19.....	05/96	56455.....	IS74.....	06/96	56514.....	IS74.....	04/97
56209.....	IN19.....	05/96	56456.....	IS74.....	06/96	56515.....	IN19.....	05/97
56210.....	IS74.....	05/96	56457.....	IS74.....	05/96	56516.....	IN19.....	05/97
56211.....	IS74.....	05/96	56458.....	IS74.....	06/96	56517.....	IN19.....	04/97
56215.....	IS74.....	05/96	56459.....	IN19.....	06/96	56518.....	IS74.....	04/97
56216.....	IS74.....	05/96	56460.....	IS74.....	06/96	56519.....	IS74.....	04/97
56217.....	IS74.....	05/96	56463.....	IN19.....	07/96	56519D.....	IS74.....	04/97
56218.....	IS74.....	05/96	56464.....	IN19.....	07/96	56520.....	IN19.....	05/97
56220.....	IS74.....	06/96	56465.....	IS74.....	08/96	56521.....	IN19.....	04/97
56221.....	IS74.....	05/96	56466.....	IN19.....	07/96	56522.....	IN19.....	04/97
56222.....	IS74.....	05/96	56467.....	IN19.....	08/96	56523.....	IS74.....	05/97
56224.....	IS74.....	05/96	56468.....	IN19.....	08/96	56525.....	IS74.....	06/97
56225.....	IS74.....	05/96	56469.....	IS74.....	08/96	56526.....	IS74.....	06/97
56232.....	IS74.....	05/96	56470.....	IS74.....	08/96	56527.....	IS74.....	11/97
56236.....	IN19.....	05/96	56471.....	IS74.....	08/96	56528.....	IS74.....	06/97
56237.....	IS74.....	05/96	56472.....	IN19.....	09/96	56529.....	IS74.....	06/97
56238.....	IN19.....	06/96	56473.....	IS74.....	09/96	56530.....	IS74.....	06/97
56239.....	IN19.....	06/96	56474.....	IN19.....	09/96	56531.....	IS74.....	06/97
56240.....	IS74.....	05/96	56478.....	IN19.....	09/96	56532.....	IS74.....	06/97
56241.....	IS74.....	05/96	56479.....	IN19.....	09/96	56533.....	IS74.....	06/97
56242.....	IS74.....	05/96	56480.....	IN19.....	09/96	56534.....	IS74.....	06/97
56243.....	IS74.....	05/96	56481.....	IS74.....	09/96	56535.....	IS74.....	06/97
56244.....	IS74.....	05/96	56482.....	IS74.....	09/96	56536.....	IS74.....	06/97
56245.....	IS74.....	05/96	56483.....	IS74.....	10/96	56537.....	IS74.....	06/97
56246.....	IS74.....	05/96	56484.....	IN19.....	11/96	56538.....	IS74.....	06/97
56247.....	IS74.....	05/96	56485.....	IS74.....	11/96	56539.....	IS74.....	06/97
56422.....	IN19.....	12/99	56486.....	IS74.....	11/96	56540.....	IN19.....	06/97
56430.....	IS74.....	06/96	56487.....	IN19.....	11/96	56541.....	IN19.....	06/97
56431.....	IN19.....	06/96	56489.....	IN19.....	11/96	56543.....	IN19.....	06/97
56431.....	IS74.....	05/96	56490.....	IS74.....	11/96	56544.....	IN19.....	06/97
56432.....	IN19.....	05/96	56491.....	IN19.....	12/96	56545.....	IS74.....	06/97
56433.....	IN19.....	05/96	56492.....	IN19.....	12/96	56546.....	IN19.....	06/97
56434.....	IS74.....	05/96	56493.....	IN19.....	12/96	56547.....	IN19.....	06/97
56435.....	IS74.....	06/96	56494.....	IN19.....	12/96	56547.....	IS74.....	06/97
56436.....	IN19.....	06/96	56495.....	IS74.....	12/96	56548.....	IS74.....	06/97
56436.....	IS74.....	05/96	56496.....	IN19.....	12/96	56549.....	IN19.....	07/97
56438.....	IN19.....	05/96	56497.....	IN19.....	12/96	56550.....	IN19.....	07/97
56239.....	IN19.....	06/96	56498.....	IN19.....	03/97	56551.....	IN19.....	07/97
56440.....	IN19.....	04/96	56499.....	IS74.....	03/97	56552.....	IN19.....	07/97
56441.....	IS74.....	05/96	56500.....	IS74.....	03/97	56553.....	IN19.....	07/97
56442.....	IS74.....	06/96	56501.....	IN19.....	03/97	56554.....	IS74.....	08/97
56443.....	IS74.....	06/96	56502.....	IN19.....	03/97	56555.....	IS74.....	08/97
56444.....	IN19.....	05/96	56503.....	IN19.....	04/97	56556.....	IS74.....	08/97
56445.....	IN19.....	05/96	56504.....	IN19.....	04/97	56557.....	IS74.....	08/97

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### S/N 56558 to S/N 58707

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
56558.....	IS74.....	08/97	56613.....	IS74.....	01/98	56672.....	IS74.....	06/98
56559.....	IS74.....	08/97	56614.....	IS74.....	01/98	56673.....	IS74.....	06/98
56560.....	IS74.....	08/97	56615.....	IS74.....	04/98	56674.....	IS74.....	06/98
56561.....	IS74.....	08/97	56617.....	IS74.....	01/98	56675.....	IS74.....	06/98
56562.....	IS74.....	08/97	56618.....	IS74.....	01/98	56676.....	IS74.....	06/98
56563.....	IS74.....	08/97	56619.....	IS74.....	01/98	57510.....	IN19.....	05/98
56564.....	IS74.....	08/97	56620.....	IN19.....	01/98	57565.....	IS74.....	10/95
56565.....	IS74.....	08/97	56621.....	IS74.....	01/98	58304.....	IS74.....	03/97
56566.....	IN19.....	08/97	56622.....	IS74.....	01/98	58305.....	IS74.....	03/97
56567.....	IN19.....	08/97	56623.....	IS74.....	01/98	58306.....	IS74.....	03/97
56568.....	IN19.....	08/97	56625.....	IS74.....	01/98	58307.....	IS74.....	03/97
56569.....	IN19.....	08/97	56626.....	IS74.....	01/98	58308.....	IS74.....	03/97
56570.....	IS74.....	08/97	56627.....	IN19.....	02/98	58309.....	IS74.....	03/97
56571.....	IN19.....	08/97	56628.....	IN19.....	02/98	58310.....	IS74.....	03/97
56573.....	IS74.....	08/97	56631.....	IN19.....	02/98	58311.....	IS74.....	03/97
56575.....	IS74.....	08/97	56632.....	IN19.....	02/98	58312.....	IS74.....	03/97
56576.....	IS74.....	08/97	56633.....	IN19.....	03/98	58313.....	IS74.....	03/97
56577.....	IN19.....	08/97	56634.....	IS74.....	03/98	58314.....	IS74.....	03/97
56578.....	IN19.....	08/97	56635.....	IS74.....	03/98	5839.....	IN19.....	08/98
56579.....	IN19.....	09/97	56636.....	IS74.....	04/98	5840.....	IN19.....	08/98
56580.....	IS74.....	10/97	56638.....	IS74.....	03/98	58472.....	IS74.....	09/98
56581.....	IS74.....	10/97	56640.....	IN19.....	04/98	58650.....	IN19.....	08/98
56582.....	IN19.....	10/97	56641.....	IN19.....	04/98	58650.....	IS74.....	08/98
56583.....	IS74.....	10/97	56642.....	IN19.....	04/98	58651.....	IN19.....	07/98
56584.....	IS74.....	10/97	56644.....	IN19.....	04/98	58652.....	IS74.....	07/98
56585.....	IS74.....	10/97	56645.....	IS74.....	04/98	58654L.....	IN19.....	07/98
56586.....	IS74.....	10/97	56646.....	IN19.....	04/98	58654R.....	IN19.....	07/98
56587.....	IS74.....	10/97	56647.....	IS74.....	04/98	58657.....	IS74.....	08/98
56588.....	IS74.....	10/97	56648.....	IS74.....	04/98	58658.....	IS74.....	07/98
56589.....	IS74.....	10/97	56649.....	IN19.....	04/98	58659L.....	IN19.....	07/98
56590.....	IS74.....	10/97	56650.....	IN19.....	04/98	58659R.....	IN19.....	07/98
56591.....	IN19.....	10/97	56651.....	IN19.....	04/98	58660.....	IS74.....	07/98
56592.....	IN19.....	10/97	56652.....	IS74.....	04/98	586688R.....	IN19.....	08/98
56593.....	IN19.....	10/97	56653.....	IS74.....	04/98	58681.....	IS74.....	07/98
56594.....	IN19.....	10/97	56654.....	IN19.....	04/98	58682.....	IS74.....	07/98
56595.....	IN19.....	10/97	56655.....	IS74.....	04/98	58683.....	IN19.....	07/98
56596.....	IN19.....	10/97	56656.....	IN19.....	04/98	58683.....	IS74.....	07/98
56598.....	IS74.....	10/97	56657.....	IS74.....	04/98	58683-R.....	IS74.....	07/98
56599.....	IS74.....	10/97	56658.....	IN19.....	06/98	58684.....	IS74.....	07/98
56600.....	IS74.....	10/97	56659.....	IS74.....	05/98	58686.....	IS74.....	08/98
56601.....	IS74.....	11/97	56660.....	IS74.....	05/98	58687.....	IS74.....	08/98
56602.....	IS74.....	12/97	56661.....	IN19.....	05/98	58689.....	IS74.....	08/98
56603.....	IS74.....	11/97	56662.....	IN19.....	05/98	58689-R.....	IS74.....	08/98
56604.....	IS74.....	11/97	56663.....	IN19.....	06/98	58689RH.....	IS74.....	08/98
56605.....	IS74.....	11/97	56664.....	IN19.....	06/98	58690.....	IN19.....	08/98
56606.....	IS74.....	11/97	56665.....	IN19.....	06/98	58690.....	IS74.....	08/98
56607.....	IN19.....	12/97	56666.....	IN19.....	06/98	58691.....	IN19.....	02/99
56608.....	IN19.....	12/97	56667.....	IN19.....	06/98	58691.....	IS74.....	02/99
56609.....	IN19.....	12/97	56668.....	IN19.....	06/98	58691L.....	IN19.....	11/99
56610.....	IN19.....	12/97	56669.....	IS74.....	06/98	58705.....	IS74.....	08/98
56611.....	IN19.....	12/97	56670.....	IS74.....	06/98	58706L.....	IN19.....	08/98
56612.....	IS74.....	01/98	56671.....	IS74.....	06/98	58707.....	IN19.....	08/98

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### S/N 58717 to S/N 59221

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
58717.....	IS74.....	08/98	58880.....	IN19.....	03/99	59005.....	IS74.....	05/99
58719.....	IS74.....	09/98	58880L.....	IN19.....	04/99	59006.....	IS74.....	05/99
58720.....	IS74.....	08/98	58880R.....	IN19.....	04/99	59007.....	IS74.....	05/99
58721.....	IS74.....	08/98	58881.....	IN19.....	03/99	59008.....	IS74.....	05/99
58722.....	IS74.....	08/98	58881.....	IS74.....	07/98	59009.....	IS74.....	05/99
58723.....	IS74.....	08/98	58882.....	IS74.....	03/99	59012.....	IN19.....	05/99
58724.....	IS74.....	08/98	58883.....	IS74.....	03/99	59033-R....	IS74.....	05/99
58725.....	IS74.....	08/98	58884.....	IS74.....	03/99	59066-R....	IS74.....	06/99
58726.....	IS74.....	08/98	58917.....	IN19.....	03/99	59070.....	IS74.....	06/99
58727.....	IS74.....	08/98	58918.....	IN19.....	03/99	59071.....	IN19.....	09/99
58728.....	IS74.....	08/98	58919.....	IN19.....	03/99	59074-R....	IS74.....	08/99
58728-R....	IS74.....	03/98	58920.....	IN19.....	03/99	59075-R....	IN19.....	09/99
58729.....	IS74.....	08/98	58921.....	IN19.....	03/99	59077-R....	IS74.....	06/99
58730.....	IS74.....	08/98	58922.....	IN19.....	03/99	59078-R....	IN19.....	11/99
58731.....	IS74.....	08/98	58923.....	IN19.....	03/99	59079.....	IS74.....	11/99
58732.....	IS74.....	08/98	58924.....	IN19.....	03/99	59079-R....	IS74.....	06/99
58733.....	IS74.....	08/98	58925.....	IN19.....	03/99	59080-R....	IS74.....	06/99
58734.....	IS74.....	08/98	58927.....	IS74.....	03/99	59081-R....	IS74.....	06/99
58735.....	IS74.....	08/98	58929.....	IS74.....	03/99	59082.....	IS74.....	06/99
58736.....	IS74.....	08/98	58930.....	IN19.....	03/99	59083.....	IS74.....	12/99
58737.....	IS74.....	08/98	58930.....	IS74.....	03/99	59092.....	IN19.....	06/99
58738.....	IN19.....	08/98	58961.....	IN19.....	04/99	59093.....	IN19.....	06/99
58741.....	IS74.....	09/98	58962.....	IN19.....	04/99	59094.....	IN19.....	06/99
58744.....	IS74.....	09/98	58963.....	IS74.....	04/99	59095.....	IN19.....	06/99
58746.....	IS74.....	09/98	58968.....	IS74.....	04/99	59096.....	IN19.....	06/99
58788-L....	IS74.....	11/98	58969.....	IS74.....	04/99	59097.....	IN19.....	06/99
58793.....	IS74.....	11/98	58970.....	IS74.....	04/99	59102-L....	IN19.....	09/99
58794.....	IS74.....	10/98	58971.....	IS74.....	04/99	59161-R....	IN19.....	08/99
58796.....	IS74.....	12/98	58972.....	IS74.....	04/99	59162.....	IS74.....	03/00
58798-R....	IS74.....	11/98	58982.....	IS74.....	05/99	59163-R....	IS74.....	09/99
58799.....	IN19.....	10/98	58982-R....	IS74.....	05/99	59164-R....	IN19.....	09/99
58800.....	IS74.....	10/98	58983-R....	IS74.....	05/99	59165.....	IS74.....	03/00
58803D....	IS74.....	11/98	58984-R....	IS74.....	05/99	59171-RH..	IN19.....	09/99
58805.....	IS74.....	02/99	58985-R....	IS74.....	05/99	59172.....	IS74.....	09/99
58806.....	IN19.....	00/99	58986-R....	IS74.....	05/99	59174.....	IN19.....	09/99
58823.....	IS74.....	12/98	58987.....	IS74.....	05/99	59175.....	IN19.....	09/99
58824.....	IS74.....	12/98	58988-R....	IS74.....	05/99	59175.....	IS74.....	09/99
58825.....	IS74.....	12/98	58989.....	IS74.....	05/99	59176.....	IS74.....	09/99
58826.....	IS74.....	12/98	58990-R....	IS74.....	05/99	59177.....	IN19.....	09/99
58827.....	IS74.....	12/98	58991-R....	IS74.....	05/99	59205.....	IS74.....	03/00
58841.....	IN19.....	12/98	58992-R....	IS74.....	06/99	59207.....	IS74.....	03/00
58861.....	IS74.....	01/99	58993-R....	IS74.....	06/99	59210.....	IS74.....	11/99
58872.....	IN19.....	03/99	58994-R....	IS74.....	06/99	59211-R....	IS74.....	11/99
58873.....	IS74.....	03/99	58995-R....	IS74.....	06/99	59212.....	IN19.....	12/99
58874.....	IS74.....	03/99	58996-R....	IS74.....	05/99	59213.....	IN19.....	01/00
58875.....	IS74.....	03/99	58997.....	IS74.....	05/99	59215.....	IS74.....	11/99
58876.....	IS74.....	03/99	58998-R....	IS74.....	05/99	59216.....	IN19.....	01/00
58877.....	IS74.....	03/99	59000.....	IN19.....	05/99	59217.....	IN19.....	12/99
58878.....	IS74.....	03/99	59001.....	IS74.....	05/99	59218.....	IN19.....	10/99
58879.....	IN19.....	03/99	59002.....	IS74.....	05/99	59219.....	IN19.....	10/99
58879L....	IN19.....	04/99	59003.....	IS74.....	05/99	59220.....	IS74.....	11/99
58879R....	IN19.....	04/99	59004.....	IS74.....	05/99	59221.....	IS74.....	11/99

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## S/N 59224 to S/N 60059

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
59224.....	IN19.....	11/99	60038.....	IS74.....	04/00	60088.....	IS74.....	07/00
59225.....	IN19.....	11/99	60039.....	IS74.....	04/00	60089.....	IS74.....	07/00
59226.....	IS74.....	11/99	60040.....	IN19.....	04/00	60090.....	IS74.....	07/00
59227.....	IN19.....	01/00	60041.....	IS74.....	06/00	60091.....	IS74.....	07/00
59231.....	IN19.....	01/00	60042.....	IS74.....	06/00	60092.....	IS74.....	08/00
59232.....	IN19.....	01/00	60043.....	IN19.....	04/00	60093.....	IS74.....	08/00
59234.....	IN19.....	01/00	60044.....	IN19.....	04/00	60094.....	IS74.....	08/00
59237.....	IN19.....	01/00	60045.....	IN19.....	04/00	60095.....	IS74.....	08/00
59250.....	IN19.....	12/99	60046.....	IN19.....	04/00	60096.....	IN19.....	08/00
59254.....	IN19.....	12/99	60047.....	IN19.....	04/00	L60096.....	IN19.....	08/00
59255.....	IN19.....	01/00	60048.....	IN19.....	04/00	60096L.....	IN19.....	08/00
6.....	IN19.....	03/02	60049.....	IN19.....	04/00	R60096.....	IN19.....	08/00
60001.....	IS74.....	04/00	60050.....	IN19.....	04/00	60096L.....	IN19.....	08/00
60002.....	IN19.....	02/00	60051.....	IS74.....	05/00	60096R.....	IN19.....	08/00
6003.....	IN19.....	02/00	60052.....	IS74.....	06/00	L60097.....	IN19.....	08/00
60006.....	IN19.....	02/00	60053.....	IS74.....	06/00	R60097.....	IN19.....	08/00
60007.....	IS74.....	02/00	60054.....	IS74.....	06/00	60097R.....	IN19.....	08/00
60009.....	IS74.....	02/00	60055.....	IS74.....	06/00	60098.....	IS74.....	08/00
60010.....	IS74.....	02/00	60056.....	IS74.....	06/00	60099.....	IS74.....	08/00
60011.....	IS74.....	02/00	60057.....	IS74.....	06/00	60100.....	IS74.....	08/00
60012.....	IS74.....	02/00	60058.....	IS74.....	06/00	60101.....	IS74.....	08/00
60013.....	IS74.....	02/00	60059.....	IS74.....	06/00	60102.....	IS74.....	08/00
60014.....	IS74.....	02/00	60060.....	IS74.....	06/00	60103.....	IS74.....	08/00
60015.....	IS74.....	02/00	60061.....	IS74.....	06/00	60105L.....	IN19.....	09/00
60016.....	IS74.....	02/00	60062.....	IS74.....	06/00	60105R.....	IN19.....	09/00
60017.....	IS74.....	02/00	60063.....	IS74.....	06/00	60106L.....	IN19.....	09/00
60018.....	IS74.....	02/00	60064.....	IS74.....	06/00	60106R.....	IN19.....	09/00
60019.....	IS74.....	02/00	60065.....	IS74.....	06/00	60107.....	IS74.....	09/00
60020.....	IS74.....	02/00	60066.....	IS74.....	06/00	60108.....	IS74.....	09/00
60021.....	IS74.....	02/00	60067.....	IS74.....	06/00	60109.....	IS74.....	09/00
60022.....	IS74.....	02/00	60068.....	IS74.....	06/00	60110.....	IS74.....	09/00
60023.....	IS74.....	02/00	60070.....	IS74.....	06/00	60111.....	IS74.....	09/00
60024.....	IS74.....	02/00	60071.....	IS74.....	06/00	60112.....	IN19.....	10/00
60025.....	IS74.....	02/00	60072.....	IS74.....	06/00	60113.....	IN19.....	10/00
60026.....	IS74.....	02/00	60073.....	IN19.....	06/00	60114.....	IN19.....	09/00
60027.....	IS74.....	02/00	60074.....	IS74.....	06/00	60115.....	IN19.....	01/01
60028.....	IS74.....	02/00	60075.....	IS74.....	06/00	60115.....	IS74.....	11/00
60029.....	IS74.....	02/00	60076.....	IS74.....	06/00	60115-R.....	IS74.....	01/01
60030.....	IN19.....	03/00	60077.....	IS74.....	06/00	60116.....	IN19.....	01/01
60031.....	IN19.....	03/00	60078.....	IS74.....	07/00	60116.....	IS74.....	11/00
60032.....	IN19.....	03/00	60079.....	IS74.....	07/00	60116-L.....	IS74.....	01/01
60032.....	IS74.....	03/00	60080.....	IS74.....	07/00	60117.....	IS74.....	11/00
60033.....	IS74.....	03/00	60081.....	IN19.....	07/00	60118.....	IS74.....	11/00
60033-L.....	IS74.....	03/00	60082.....	IN19.....	07/00	60119.....	IS74.....	11/00
60033-R.....	IS74.....	03/00	60083.....	IN19.....	07/00	60120.....	IS74.....	11/00
60034.....	IN19.....	03/00	60084.....	IN19.....	07/00	60121.....	IS74.....	11/00
60035.....	IN19.....	03/00	60085.....	IN19.....	07/00	60122.....	IN19.....	12/00
60036.....	IS74.....	03/00	60086.....	IS74.....	07/00	60123.....	IN19.....	12/00
60037.....	IS74.....	04/00	60087.....	IS74.....	07/00	60124.....	IN19.....	12/00

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### S/N 60125 to S/N 60254

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
60125.....	IS74.....	11/00	60172.....	IS74.....	12/01	60219.....	IS74.....	06/01
60126.....	IN19.....	11/00	60173.....	IS74.....	04/01	60220-R....	IS74.....	06/01
60127.....	IN19.....	11/00	60173D....	IS74.....	04/01	R60220.....	IS74.....	06/01
60128-L....	IS74.....	01/01	60174.....	IS74.....	04/01	60221.....	IS74.....	06/01
60129.....	IS74.....	12/00	60175.....	IN19.....	04/01	60221-R....	IS74.....	06/01
60130.....	IS74.....	11/00	60176.....	IS74.....	04/01	R60211....	IS74.....	06/01
60131.....	IS74.....	11/00	60177.....	IS74.....	05/01	60222.....	IN19.....	06/01
60132.....	IS74.....	11/00	60178.....	IN19.....	05/01	60223.....	IS74.....	07/01
60133.....	IS74.....	11/00	60179.....	IS74.....	04/01	60224.....	IS74.....	07/01
60134.....	IS74.....	11/00	60180.....	IS74.....	04/01	60225.....	IS74.....	07/01
60135.....	IN19.....	12/00	60181.....	IN19.....	05/01	60226.....	IS74.....	07/01
60136.....	IS74.....	12/00	60182.....	IN19.....	06/01	60227.....	IS74.....	07/01
60137.....	IN19.....	12/00	60182.....	IS74.....	06/01	60228.....	IN19.....	07/01
60138.....	IN19.....	12/00	60183-L....	IS74.....	06/01	60229.....	IN19.....	07/01
60139-R....	IS74.....	01/01	L60183....	IS74.....	06/01	60230.....	IS74.....	09/01
60140.....	IS74.....	07/01	60184.....	IN19.....	05/01	60231-R....	IS74.....	09/01
60141.....	IS74.....	01/01	60185.....	IS74.....	04/01	R60231....	IS74.....	09/01
60142.....	IS74.....	01/01	60186.....	IS74.....	03/01	60232.....	IN19.....	08/01
60143.....	IS74.....	01/01	60186-L....	IS74.....	04/01	60232.....	IS74.....	08/01
60144.....	IS74.....	01/01	L60186....	IS74.....	04/01	60233.....	IN19.....	08/01
60145.....	IS74.....	01/01	60187.....	IS74.....	03/01	60234.....	IN19.....	08/01
60146.....	IS74.....	01/01	60188.....	IS74.....	04/01	60234-R....	IS74.....	08/01
60147.....	IS74.....	01/01	60189.....	IS74.....	04/01	R60234....	IS74.....	08/01
60148.....	IS74.....	01/01	60190.....	IN19.....	03/01	60234-L....	IS74.....	08/01
60149.....	IS74.....	01/01	60192.....	IS74.....	04/01	L60234....	IS74.....	08/01
60150.....	IS74.....	01/01	60193.....	IS74.....	04/01	60235.....	IS74.....	09/01
60151.....	IS74.....	01/01	60194.....	IS74.....	04/01	60236.....	IN19.....	08/01
60152.....	IS74.....	01/01	60195.....	IS74.....	04/01	60237.....	IN19.....	08/01
60153.....	IS74.....	01/01	60196.....	IS74.....	05/01	60237.....	IS74.....	08/01
60155.....	IN19.....	12/00	60197.....	IS74.....	05/01	60238-L....	IS74.....	08/01
60156.....	IN19.....	01/01	60198.....	IS74.....	05/01	L60238....	IS74.....	08/01
60156.....	IN19.....	02/01	60199.....	IS74.....	05/01	60238-R....	IS74.....	08/01
60157.....	IN19.....	04/01	60200.....	IS74.....	05/01	R60238....	IS74.....	08/01
60158.....	IS74.....	12/01	60201.....	IS74.....	05/01	60239-L....	IS74.....	08/01
60160.....	IN19.....	04/01	60202.....	IN19.....	05/01	L60239....	IS74.....	08/01
60161.....	IS74.....	12/01	60203.....	IN19.....	05/01	60240-R....	IS74.....	08/01
60162.....	IN19.....	05/01	60204.....	IN19.....	05/01	R60240....	IS74.....	08/01
60163.....	IN19.....	06/01	60205.....	IN19.....	05/01	60240-L....	IS74.....	08/01
60164.....	IS74.....	12/01	60206.....	IS74.....	05/01	L60240....	IS74.....	08/01
60165.....	IN19.....	06/01	60207.....	IN19.....	05/01	60241-R....	IS74.....	08/01
60164.....	IS74.....	06/01	60208.....	IS74.....	05/01	R60241....	IS74.....	08/01
60166.....	IN19.....	06/01	60209.....	IN19.....	05/01	602242-R..	IS74.....	02/02
60167.....	IN19.....	05/01	60211.....	IS74.....	06/01	60243.....	IS74.....	09/01
60167.....	IS74.....	05/01	60212.....	IS74.....	06/01	60244.....	IS74.....	09/01
60168.....	IS74.....	04/01	60213.....	IS74.....	06/01	60245.....	IS74.....	09/01
60168D....	IS74.....	07/01	60214.....	IS74.....	06/01	60247.....	IS74.....	06/02
60169.....	IN19.....	05/01	60215.....	IS74.....	06/01	60248.....	IS74.....	12/01
60169.....	IS74.....	04/01	60216.....	IS74.....	06/01	60251.....	IS74L....	03/02
60170.....	IS74.....	12/01	60217.....	IS74.....	06/01	60253.....	IS74.....	10/01
60171.....	IS74.....	04/01	60218.....	IS74.....	06/01	60254.....	IS74.....	10/01

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## S/N 60254-R to S/N 60387-L

S/N	MODEL	SHIP	S/N	MODEL	SHIP	S/N	MODEL	SHIP
60254-R....	IS74.....	10/01	60303.....	IN19.....	03/02	60371L.....	IS74.....	03/02
R60254.....	IS74.....	10/01	60303-R....	IS74.....	03/02	60371-R....	IS74.....	03/02
60255.....	IS74.....	10/01	60303-L....	IS74.....	03/02	60371R....	IS74.....	03/02
60257.....	IS74.....	06/02	60304-R....	IS74.....	01/02	60372-L....	IS74.....	03/02
60258.....	IS74.....	05/02	60304-L....	IS74.....	01/02	60372L....	IS74.....	03/02
60259.....	IS74.....	06/02	60305-R....	IS74.....	01/02	60372-R....	IS74.....	03/02
60260.....	IS74.....	12/01	60305-L....	IS74.....	01/02	60372R....	IS74.....	03/02
60261.....	IS74.....	12/01	60306.....	IS74.....	01/02	60373-L....	IS74.....	03/02
60264.....	IN19.....	12/01	60306-R....	IS74.....	01/02	60373L....	IS74.....	03/02
60264-R....	IS74.....	12/01	60306D....	IS74.....	03/02	60373-R....	IS74.....	03/02
60264-L....	IS74.....	12/01	60307.....	IS74.....	01/02	60373R....	IS74.....	03/02
60265.....	IN19.....	10/01	60307-L....	IS74.....	01/02	60374-L....	IS74.....	03/02
60265-R....	IS74.....	10/01	60308-R....	IS74.....	01/02	60374L....	IS74.....	03/02
R60265.....	IS74.....	10/01	60308-L....	IS74.....	01/02	60374-R....	IS74.....	03/02
60265-L....	IS74.....	10/01	60309.....	IS74.....	01/02	60374R....	IS74.....	03/02
L60265.....	IS74.....	10/01	60310-R....	IS74.....	01/02	60376.....	IN19.....	03/02
60266.....	IN19.....	12/01	60311-R....	IS74.....	01/02	60376-L....	IS74.....	03/02
60266-R....	IS74.....	12/01	60312-R....	IS74.....	01/02	60376-R....	IS74.....	03/02
60266-L....	IS74.....	12/01	60313-R....	IS74.....	01/02	60377.....	IN19.....	03/02
60267.....	IN19.....	01/02	60314.....	IS74.....	01/02	60377-L....	IS74.....	03/02
60267-R....	IS74.....	01/02	60315-R....	IS74.....	01/02	60377-R....	IS74.....	03/02
60267-L....	IS74.....	01/02	60316-R....	IS74.....	01/02	60378.....	IN19.....	03/02
60268.....	IS74.....	06/02	60317-R....	IS74.....	01/02	60378-L....	IS74.....	03/02
60270.....	IS74.....	12/01	60318-R....	IS74.....	01/02	60378-R...	IS74.....	03/02
60271.....	IS74.....	12/01	60319-R....	IS74.....	01/02	60379.....	IN19.....	03/02
60272.....	IN19.....	11/01	60320-R....	IS74.....	01/02	60379-L....	IS74.....	03/02
60273.....	IN19.....	11/01	60321-R....	IS74.....	01/02	60379-R....	IS74.....	03/02
60274-R....	IS74.....	03/02	60359-R....	IS74.....	03/02	60380.....	IN19.....	03/02
60275-R....	IS74.....	02/02	60362-R....	IS74.....	03/02	60380-R....	IS74.....	03/02
60275-L....	IS74.....	02/02	60362-L....	IS74.....	03/02	60380-L....	IS74.....	03/02
60275.....	IN19.....	02/02	60363.....	IS74.....	03/02	60381.....	IN19.....	03/02
60276-R....	IS74.....	02/02	60363-R....	IS74.....	03/02	60381-R....	IS74.....	03/02
60276-L....	IS74.....	02/02	60364-R....	IS74.....	03/02	60381-L....	IS74.....	03/02
60276.....	IN19.....	02/02	60364-L....	IS74.....	03/02	60382.....	IN19.....	03/02
60277-R....	IS74.....	01/02	60365-R....	IS74.....	03/02	60382-R....	IS74.....	03/02
60277-L....	IS74.....	01/02	60365-L....	IS74.....	03/02	60382-L....	IS74.....	03/02
60281.....	IS74.....	06/02	60366.....	IS74.....	05/02	60383.....	IN19.....	03/02
60282-L....	IS74.....	03/02	60366-L....	IS74.....	03/02	60383-R....	IS74.....	03/02
60284....	IS74.....	12/01	60367.....	IS74.....	06/02	60383-L....	IS74.....	03/02
60285....	IS74.....	12/01	60367-R....	IS74.....	03/02	60384.....	IN19.....	03/02
60287....	IS74.....	12/01	60368-L....	IS74.....	03/02	60384-R....	IS74.....	03/02
60288....	IS74.....	12/01	60368-R....	IS74.....	03/02	60384-L....	IS74.....	03/02
60289....	IS74.....	12/01	60368.....	IS74.....	03/02	60385.....	IN19.....	03/02
60290....	IS74.....	12/01	60369.....	IS74.....	03/02	60385-R....	IS74.....	03/02
60291....	IS74.....	12/01	60369L....	IS74.....	03/02	60385-L....	IS74.....	03/02
60292....	IS74.....	12/01	60369-L....	IS74.....	03/02	60386.....	IN19.....	03/02
60293....	IS74.....	12/01	60369-R....	IS74.....	03/02	60386-R....	IS74.....	03/02
60294.....	IS74.....	12/01	60370-L....	IS74.....	03/02	60386-L....	IS74.....	03/02
60295.....	IS74.....	12/01	60370L....	IS74.....	03/02	60387.....	IN19.....	03/02
60302.....	IN19.....	12/01	60370-R....	IS74.....	03/02	60387-R....	IS74.....	03/02
60302-R....	IS74.....	12/01	60370R....	IS74.....	03/02	60387-L....	IS74.....	03/02
60302-L....	IS74.....	12/01	60371-L....	IS74.....	03/02			

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### S/N 60388 to S/N Current

S/N	MODEL	SHIP	S/N	MODEL	SHIP
60388.....	IN19.....	04/02	60442.....	IS74.....	09/02
60388-R....	IS74.....	04/02	60443.....	IS74.....	09/02
60389.....	IS74.....	04/02	60444.....	IS74.....	09/02
60390.....	IS74.....	04/02	60638L.....	IS74.....	03/02
60390-R....	IS74.....	04/02	6098.....	IS74.....	08/00
60391.....	IS74.....	04/02	7.....	IN19.....	03/02
60391-R....	IS74.....	04/02	90253-R....	IS74.....	10/01
60392.....	IS74.....	04/02			
60393.....	IS74.....	04/02			
60393-R....	IS74.....	04/02			
60394.....	IS74.....	04/02			
60394-R....	IS74.....	04/02			
60395.....	IS74.....	04/02			
60395-R....	IS74.....	04/02			
60396.....	IS74.....	04/02			
60396-R....	IS74.....	04/02			
60397.....	IS74.....	04/02			
60397-R....	IS74.....	04/02			
60398.....	IS74.....	04/02			
60398-R....	IS74.....	04/02			
60399.....	IS74.....	06/02			
60400.....	IS74.....	04/02			
60400-R....	IS74.....	04/02			
60401-R....	IS74.....	04/02			
60402.....	IS74.....	06/02			
60402-L....	IS74.....	04/02			
60403.....	IS74.....	05/02			
60404.....	IS74.....	05/02			
60404L....	IS74.....	05/02			
60405.....	IS74.....	05/02			
60406.....	IS74.....	05/02			
60407.....	IS74.....	05/02			
60408.....	IS74.....	05/02			
60409.....	IS74.....	05/02			
60410.....	IS74.....	05/02			
60411.....	IS74.....	05/02			
60413.....	IS74.....	06/02			
60414.....	IS74.....	05/02			
60416.....	IS74.....	06/02			
60419.....	IS74.....	07/02			
60420.....	IS74.....	06/02			
60422.....	IS74.....	06/02			
60423.....	IS74.....	06/02			
60425.....	IS74.....	06/02			
60433.....	IS74.....	07/02			
60434.....	IS74.....	07/02			
60436.....	IS74.....	08/02			
60437.....	IS74.....	08/02			
60438.....	IS74.....	08/02			
60439.....	IS74.....	08/02			
60440.....	IS74.....	09/02			
60441.....	IS74.....	09/02			

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# Notes

# NOTES



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Oct. 2002 Edition