

Illustrated Parts Manual

Models D-SERIES

1100830-005

August 2001, 2001



ANSI

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USING THIS BOOK

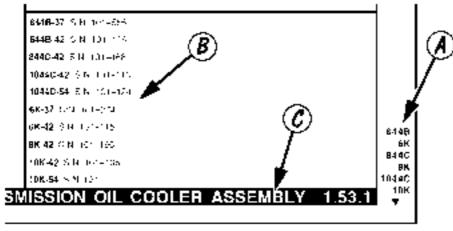


Figure 1

This parts book covers all models, but some pages may only be specific to a few of them. To help you identify the page you're looking for, model numbers are atways listed in the lower, far right corner of each parts list page (*Figure 1 A*).

Specific model and serial number information (B) is located on the lower, right side of each parts list page, above the page title (C).

How to Find What You're Looking For

To start, you must have the model and serial numbers, but you don't need the whole serial number—just the last digits will do. If it's related to the angine, you may need the engine model also.

A "Section Quick Reference" can be found at the beginning of the book as well as a complete table of contents, and each section has its own table of contents. Find the section, then the subject and page concerning the part you're after. Go to the page and see if it hists your machine's model and serial number. If not, it can probably be found on the pages immediately following that one.

For example:

You need a throttle part for an **844C-42**, serial number **302**, with a Cummins **6B5.9** engine.

Section 2, "Power Plant" contains information about engine installations. In the table of contents, you find a listing under "Cummins 685.9" for "Throttle Group Assembly" on page 2.40-1.

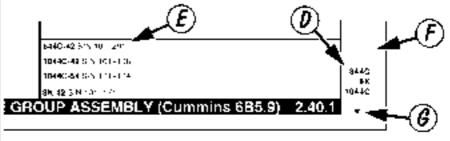
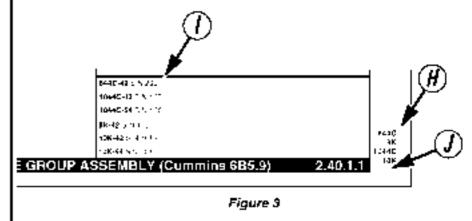


Figure 2

After going to that page, you'll see your model listed on the light-hand side in bold text (Figure 2, D). This means that the model is covered on this page, but the machine serial number (302) is not shown in the specific information (E), (Grayed model numbers (F) means that those models are not covered by that page.) The black arrow (G) tells you that more serial numbers and/or different models can be found on the next page.



The next page (2.40.1.1) shows that it contains the information for your machine model and serial number (Figure 3, H & I). The gray arrow (II) means that s the last page for that particular subject.

Page Numbers

Understanding how the page numbers are structured will help you havigate through the book.

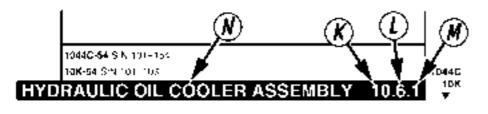


Figure 4

Figure 4 shows a typical page number.

- First number (K): Always matches the section number.
- · Second number (L) Represents the subject title (N) in that section only.
- Third number (M). Shows page order for the machine models under that particular subject (N).



Figure 5

Figure 5 shows a page number with additional senal numbers not covered by the previous page (Figure 4).

 Fourth number (O): First, second, third, etc., page of additional serial numbers for the specified models.

General Information

The revision appears in the right hand margin of each page. The quantity shown in the 'OTY' column is the number of parts used on that assembly. Where parts are referenced 'REF' the part shown is included in another assembly or part of another item. For certain parts such as shims, spacers, etc. 'A/R' indicates that the quantity to be used is as required.

Abbreviations

The following abbreviations are commonly used in this manual:

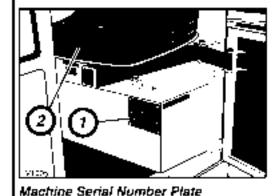
A/A As Required	1
Amp Ampere	
Ass'y Assembly	
AUX Auxiliary	
BCI Batlery Council International	
G	1
GCA Cold Cranking Performance Bating	
Cyl Cylinder	
D,PDT Dual Pole, Cual Throw	
D,PIS,T Dual Pole, Single Throw	
Dia, Diameter	
Diff , , Differential	
GAGauge	
GR Grade	
Hd Mead	
Чх Нөк	:
Hyd	:
1.DInside Diameter	:
in	1
helhet.ces	1
JIC	1
.çInng	1
- H Let Hand	<u>ا</u>
rumMillimeter	l '

1	N/A Not Applicable
	N.L.A No Longer Available
	N.P.T
	N.S.S Nnl Snld Separately
	O.D Outside Diameter
	OsćOsćillal ori
	αzΩαu(s)
	PrisPieces
	P/NPag Number
	P.S.I
	Pt
	RdRo.nd
	REFReterence
	RegRequired
	B.H Right Hand
	S P.D.T Single Pole, Dual Throw
	S.P.S.T Single Pole. Single Throw
	S/N Serial Number
	SAE Society of Automotive Engineers
	STDSlancard
	Temp Temperature
	Trans Transmission
	w/
	w/gWithoul
_	

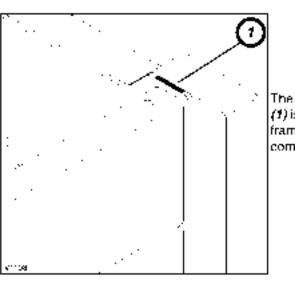
ORDERING PARTS

See inside back cover

SERIAL NUMBER LOCATIONS

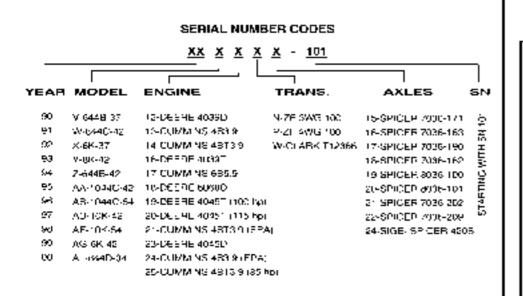


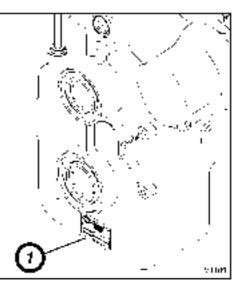
The machine serial number plate (1) is mounted in the cab. below seat (2).



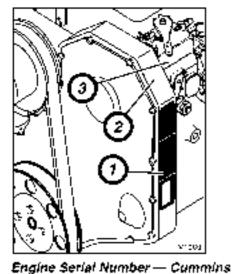
The machine senal number (1) is also stamped into the frame on the top left, rear comer of the machine.

Stamped Machine Serial Number





The transmission serial number plate (1) is located in the center, lower rear side of the transmission housing.

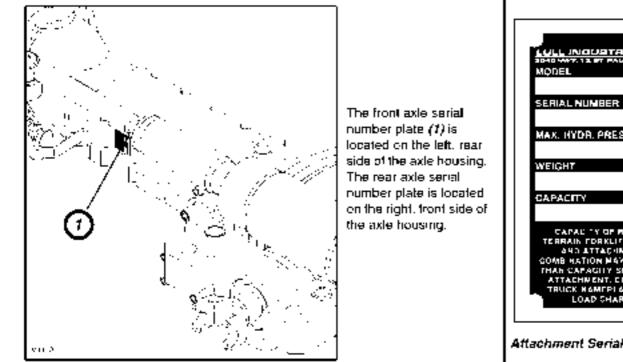


The engine senal number plate (1) is located on the right side of the engine on gear housing (2) near the injection fuel pump (3).

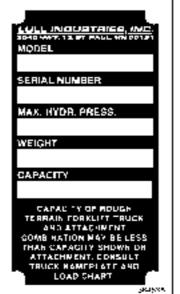
Transmission Serial Number

The location of this plate.

varies with attachment.



Axle Serial Number



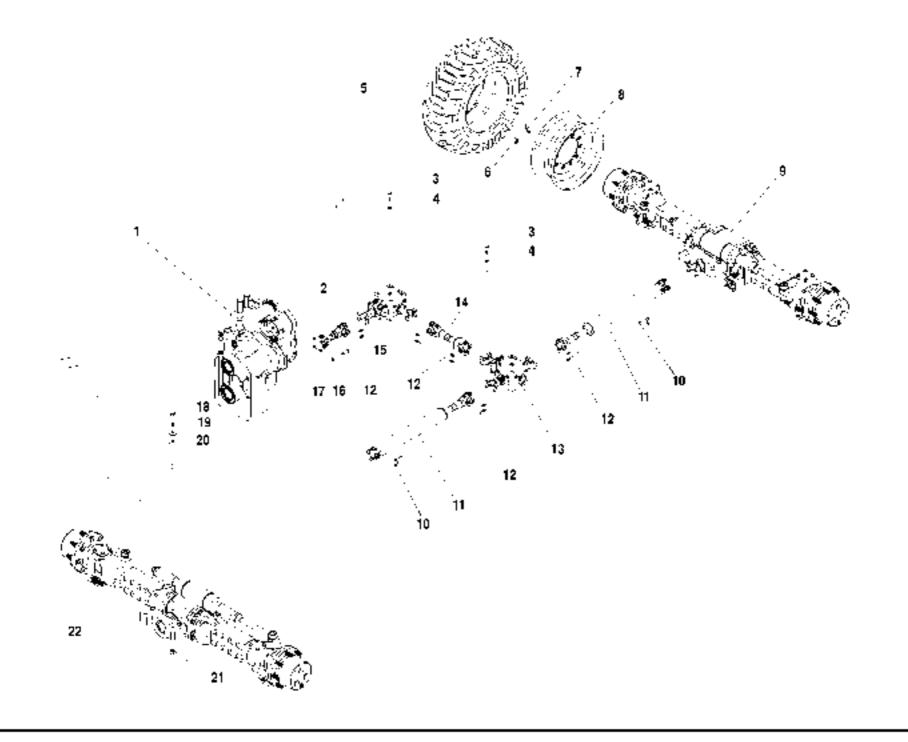
Attachment Serial Number Plate

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	Breke Box Assembly - Front Axle	0.1
	Brake Box Assembly - Rear Axle	1.1
	Wheel End, Steer Axis Shafts & Knuckle Assembly	2.1
	Wheel End, other Asia onalie & Whiteha Rosembly	
	Steer Cylinder Assembly	
1	-	
I	Steer Cylinder Assembly	3.1
I	Steer Cylinder Assembly	3.1 5.1
I	Steer Cylinder Assembly	3.1 5.1 6.1
I	Steer Cylinder Assembly	3.1 5.1 6.1 7.1
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I	Steer Cylinder Assembly 1.13 Iransmission T-12000 1.16 Converter Housing Assembly 1.16 Transmission Case & Plate Assembly 1.16 Torque Converter Assembly 1.17 Pump Drive Group 1.18 Charging Pump & Filter Assembly 1.18 Reverse Idler Group 1.20 Forward & Reverse Shaft Group 1.21	3.1 5.1 6.1 7.1 8.1 9.1 0.1 1.1 2.1
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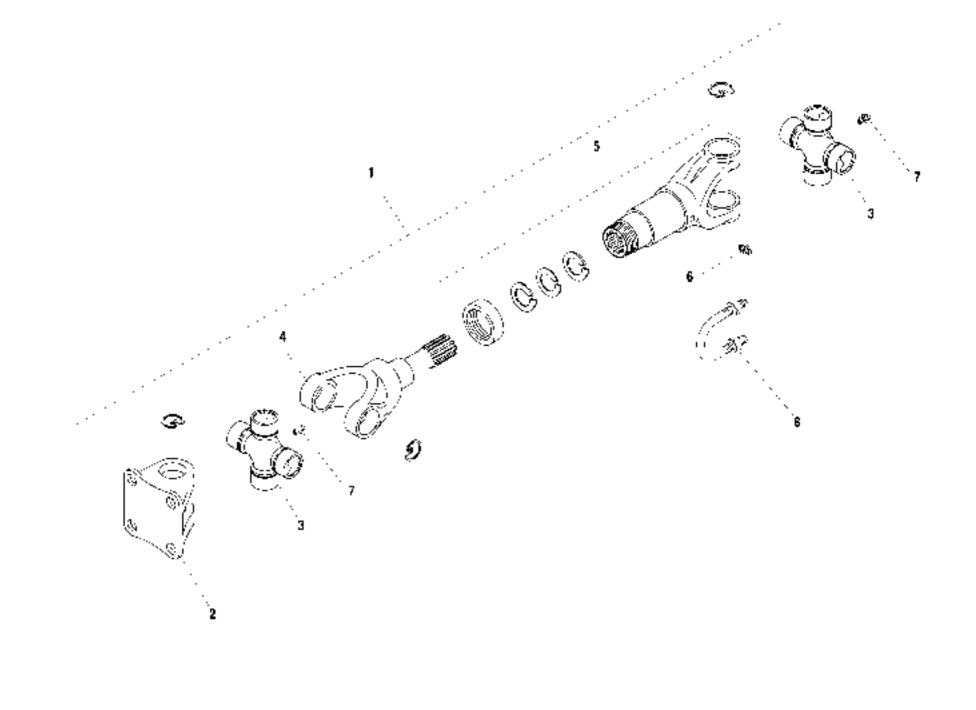
Electric Control Group			•	•		•	• •		. 1.25.1
Transmission Oil Cooler.									. 1.26.1



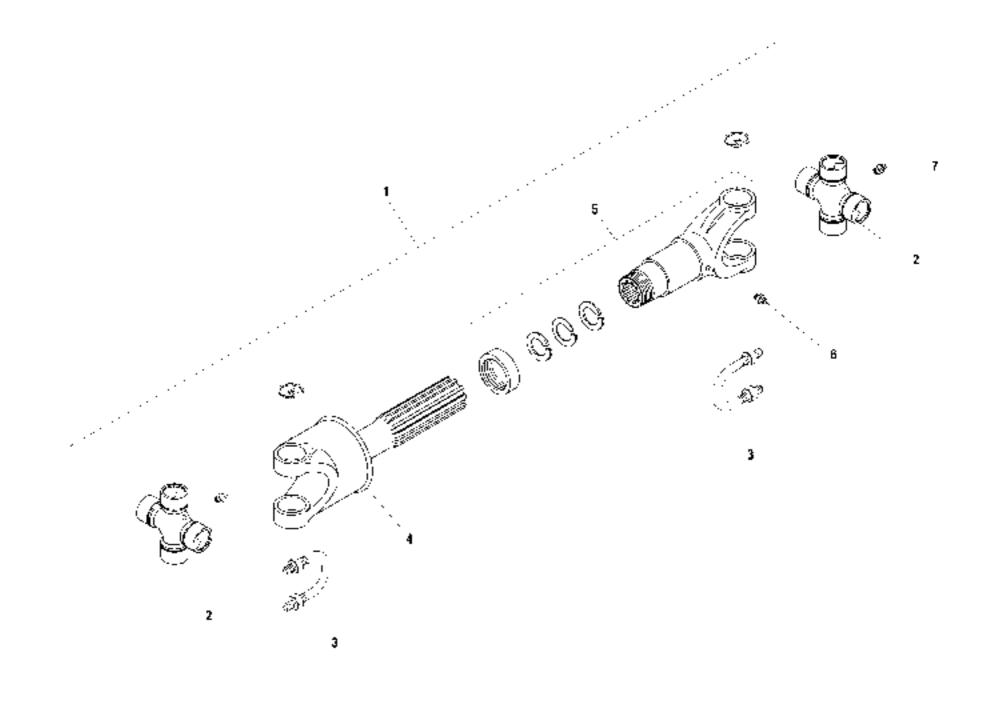
1.1.1 Pack. 004

TEM	PART NO.	QTY.	DESCRIPTION	ITEM PART NO. QTY. DESCRIPTION	
1	1100224	1	Transmission		362-03
			(See Pages 1.15.1–1.25.1 for Breakdown)		
2	67273B	1	Drive Shaff, Transmission Output		
			(See Page 1.2.1 for Breakdown)	NOTES	
3	P00433		Capscrew, Hx = 1/2"-13 × 2" GR 8	• For S/N 108 – 656 use 1100419, Capscrew, Socket Hrt. M12-1 75 ×	
4	P01312		Lockwasher, 1/2'	30mm Cl 111 9 .	
5	P19043	-	Tire, 13 00 × 24 12 Ply. Steel Belt	 For S/N 108 – 656 use Pfi4609, Lockwasher, M12, 	
÷	68024X		Lug Nut		
7	P19673	4	Valve Stem		
8	65448B	4	Wheel Rim, (9 × 24)		
9	65261A	1	Axle, Rear		
			(See Pages 1.5.1–1.13.1 for Breakdown)		
10	37442X	2	Strap Kit		
11	67275B	2	Drive Shall Gearbox to Axles		
			(See Page 1.4.1 for Breakdown)		
12	P12530	10	U-Bolt		
13	1101374	1	Gearbox. Tee		
			(See Page 1 28 1 for Breakdown)		
14	68960 B	1	Drive Shaft Intermediate		
			(See Page 1 3.1 for Breakdown)		
15	1101373		Gearbox. 90°		
			(See Page 1 27 1 for Breakdown)		
16	01100392	4	Capscrew, Socket Hd., 7/16*-20 x 15/16*		
17	8 8307005	4	Lockwasher, 7/16"		
18	P00785	8	Capscrew, Hx., 3/4"-16 × 4"		
19	P01257	8	Washer, Flat, 3/4" Dra		
20	65611 A	8	Wesher, Axel Mounting Boll		
21	P01232		Nul, Hx = 3/4"-16		
22	65260A	1	Axis, Front		
			(See Pages 1 5,1-1 13,1 for Breakdown)		
				844D-34 S/N 108	

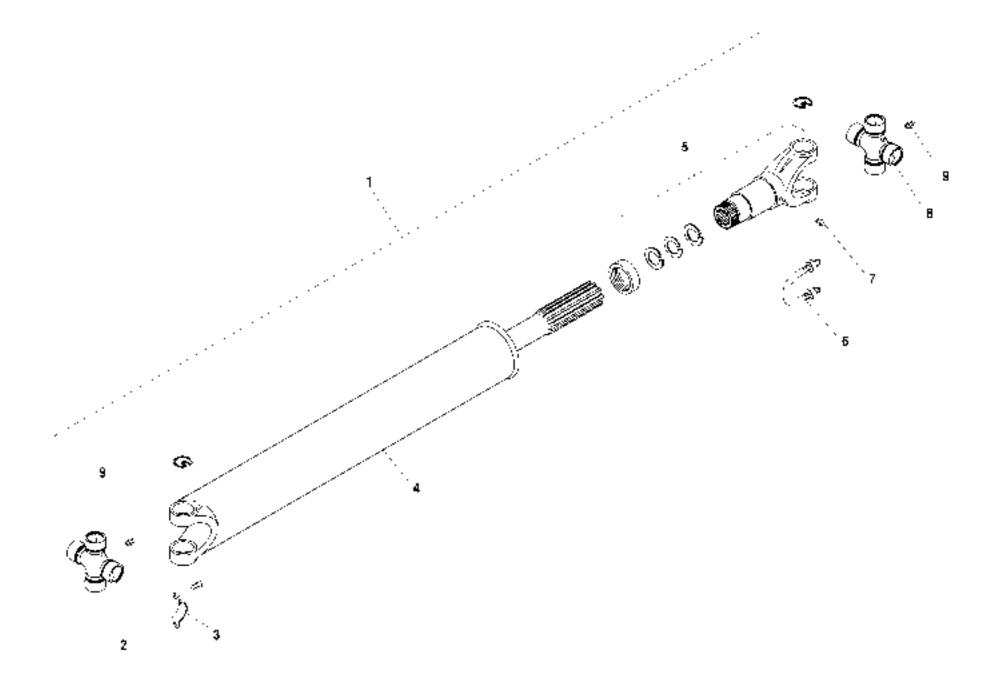
DRIVE TRAIN GROUP ASSEMBLY 1.1.1



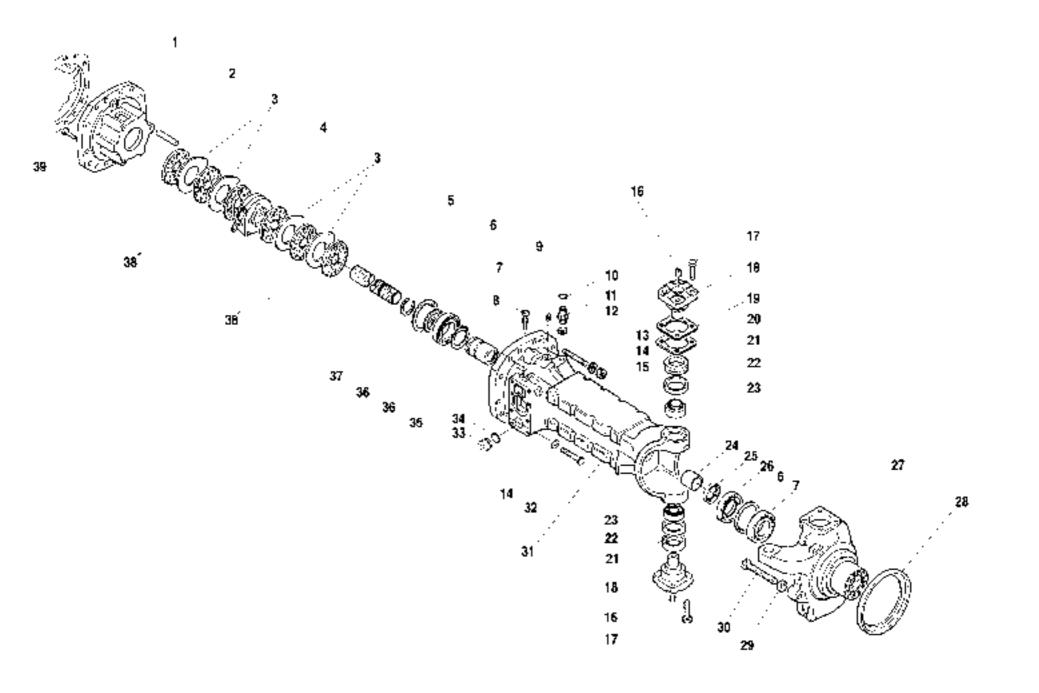
ITEM	PART NO.	QTY.	DESCRIPTION	
1	67273 B	-	Drive Shatt (Includes items 2-7)	De. 003
2	P11695	1	Flange, Yoke	
3	P11694	2	U-Joint Assembly (Includes Shap Rings)	
4	68348X	1	Yoke, Shaft	
5	P12994	1	Yoke, Slip	
6	P16272	1	Grease Zerk	
7	P16611	2	Grease Zerk	
8	P12530	2	U-Bolt	
			844D-34 S/N 108	
			TRANSMISSION OUTPUT DRIVE SHAFT ASSEMBLY 1.2.1	644D
			THANSIMISSION COTFOL DRIVE SHAFT ASSEMIDET 1.2.1	•



ITEM	PART NO.	QTY,	DESCRIPTION		
1	68960B	1	Drive Shatt Intermediate		Hev. 0.0
2	P11694	2	U-Joint Assembly (Includes Snap Rings & Item 7)		
3	P12530	4	U-Bolt Kit		
4	N.S.S.	-	Yoke Assembly		
5	N.S.S	1	Yoke, Slip		
6	P15272	1	Grease Zerk		
7	P16611	2	Grease Zerk		
					•
				844D-34 S/N 108	
					644D
			INTERM	EDIATE DRIVE SHAFT ASSEMBLY 1.3.1	Ŧ



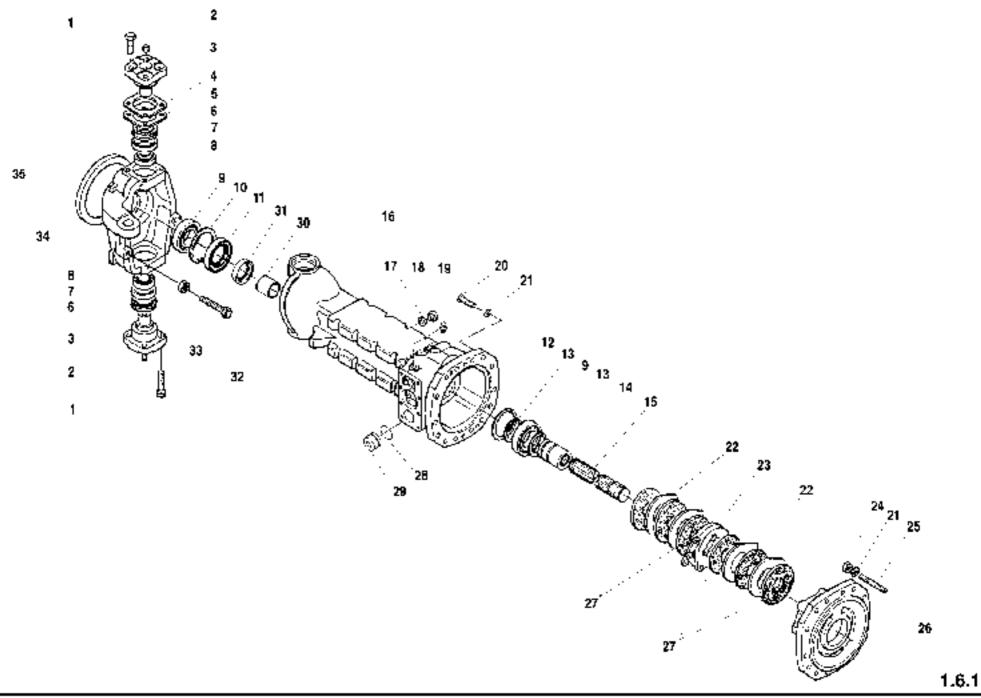
ITEM	PART NO.	QTY.	DESCRIPTION		
1	67275 6	2	Driver Shaft Assembly (Includes Items 1-9)		Hev. 000
2	P13000	1	U-Joint Assembly (Includes Snap Rings)		
3	37442X	2	Strap Kit		
4	N.S.S.	-	Shafi Weldment		
5	68347X	1	Yoke, Slip		
6	P12530	2	U-Bolt Kit		
7	P15272	1	Grease Zerk		
8	P11694	1	U-Joint Assembly (Includes Snap Rings)		
9	P16611	2	Grease Zerk		
				844D-34 S/N 108	Ì
					6440
			FRONT &	REAR DRIVE SHAFT ASSEMBLIES 1.4.1	644D ▼



1.5.1 Rev 604

TEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	67928X	1	Flange	37	67952X	1	Shap Hing	Rev
2	67936X	з	Pin	- 38	67 9 25X	6	Disc, Brake	
3	67926X	10	Counter, Brake	39	67942X	2	Screw	
4	67924X	1	Ball Brake					
5	67953X	1	Half Shaft Brake					
θ.	67949X	2	Snap Ring	NOTE	D .			
7	67948X	2	Bearing	NOTE	ਠ: Not Used on R	oor Avia		
8	67906X	1	Bleed Valve	1 * '		ear Axie		
9	67907X	1	Dowel					
10	67909X	1	O-Ring					
11	67903X	1	Breather					
12	67902X	1	Gasket					
13	67943X	3	Stud					
14	67944X	14	Thrust Washer					
15	67945X	11	Nut					
16	67938X	2	Dowel					
17	67937X	8	Bolt					
18	67936X	2	Pin					
19	67935X	2	Shim					
20	67934X	2	Shim					
21	67933X	2	Oil Seal					
22	67932X	2	Riný					
23	67931X	2	Bearing					
24	67904X	1	Bushing, Axle Housing					
25	1100334	1	Seal, Axle Housing					
26	67947X	1	Oil Seal					
27	67917X	1	Steering Knuckle Right Front / Left Rear					
			(Includes Item 28)					
28	67919X	1	Cover					
29	67923X	2	Nut					
30	67922X	2	Capscrew					
31	67901X	1	Axle Housing Right Front / Left Rear					
32	67937X	11	Capscrew					
33	€57938X	1	Plug	644D-3	41 S/N 108			
34	●67909X	1	O-Ring					
35	67951X	1	Sleeve, Brake					
36	67906X	Э	Snap Ring					

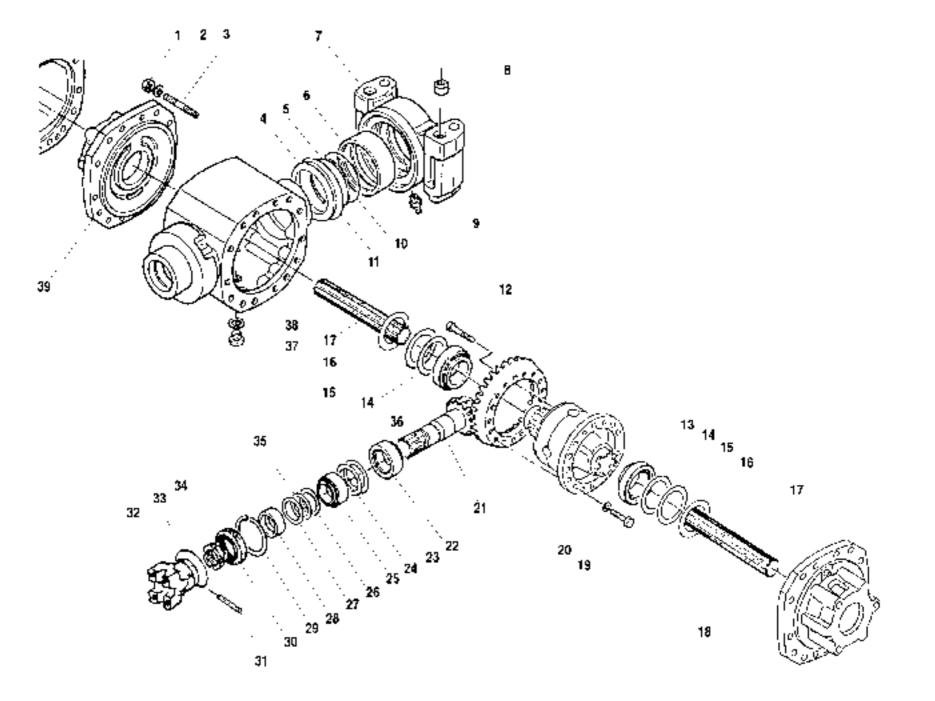
AXLE HOUSING ASSEMBLY RIGHT FRONT/LEFT REAR (420S) 1.5.1



Rev 604

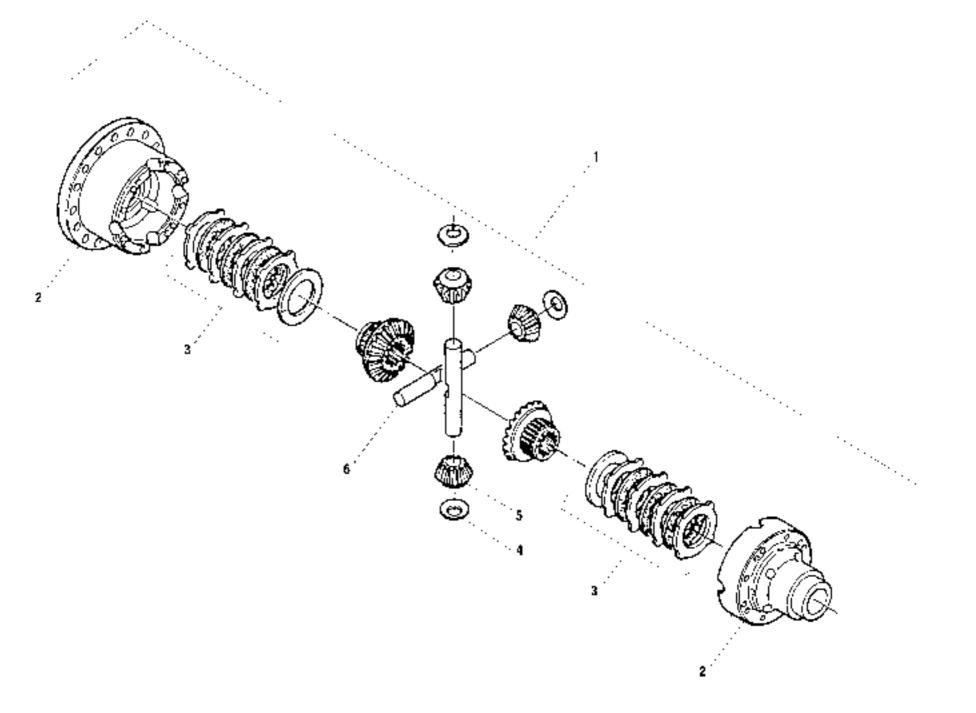
EM	PART NO.	QTY.	DESCRIPTION	ITEM PART NO. QTY. DESCRIPTION	
1	@67937X	8	Bolt, M14x40, GR10.9		Re
2	67938X	2	Dowel		
3	67936X	2	Pin	NOTES	
4	67935X	2	Shim	NOTES: Not Used on Rear Axle.	
5	67934X	2	Shim	 For Machines with fenders use 10704281 on the fender mount. 	
6	67933X	2	Oil Seal		
7	67932X	4	Ring		
8	67931X	2	Bearing		
9	67948X	2	Bearing		
10	67949X	2	Snap Ring		
11	67947X	1	Oil Seal		
12	67906X	3	Snap Ring		
13	67950X	2	SnapRing		
14	67951X	1	Sleeve, Brake		
15	67953X	1	Half Shaft Brake		
16	67911X	1	Axle Housing (Left Front / Right Rear)		
17	67902X	1	Gasket		
18	67915X	1	Oil Plug		
19	67903X	1	Breather		
20	67946X	11	Capscrew		
21	67944X	14	Thrust Washer		
22	67926X	10	Counter, Brake		
23	67924X	1	Ball Brake		
24	67945X	3	Nut		
25	67943X	3	Stud		
26	67928X	1	Flange		
27	67925X	6	Disc, Brake		
28	067909X	1	O-Ring		
29	067938X	1	Plug		
30	67904X	1	Bushing, Axle Housing		
31	1100334	1	Seal, Axle Housing		
32	67922X	2	Capscrew, M16		
33	67923X	2	Nut		_
34	67920X	1	Steering Knuckle (Left Front / Right Rear)	644D-34 S/N 108-	
			(Includes Item 35)		
35	67919X	1	Cover		

AXLE HOUSING ASSEMBLY LEFT FRONT/RIGHT REAR (420S) 1.6.1

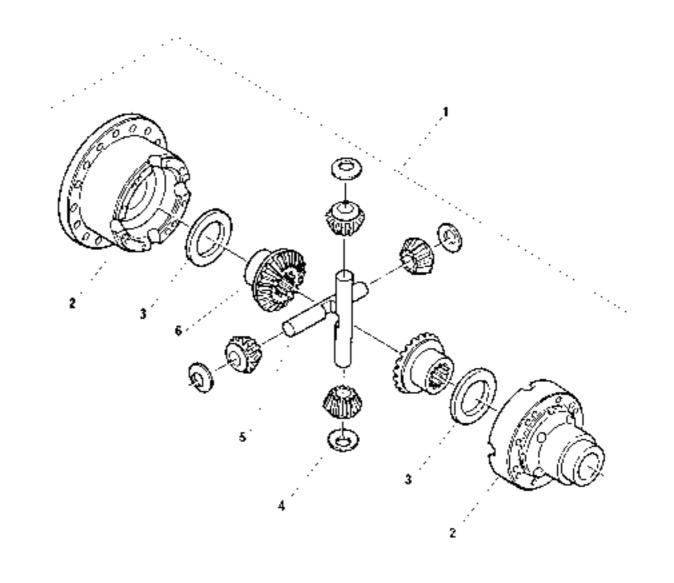


1.7.1 Rev 604

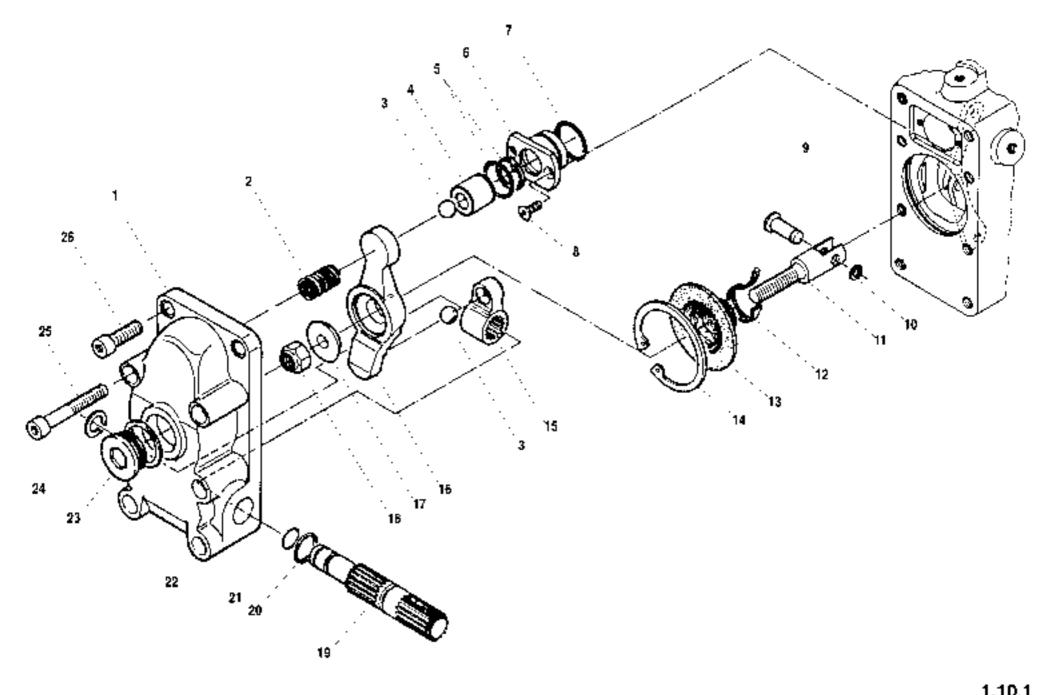
<u>rem</u>	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	67945X	δ	Nul	38	6790 8 X	1	Gaskel	Jean C
2	67944X	28	Thrust Wesher	39	67940X	1	Flange	
3	67943X	δ	Stud					
4	67916X	2	Spacer					
5	67965X	2	V-Ring					
0	67957X	2	Bushing					
7	67955X	2	Support					
8	67956X	4	Bushing					
9	67958X	1	Grease Zerk					
10	67959X	2	O-Ring					
11	67960X	2	Spacer					
12	67980X	24	Capscrew					
13	67970X	1	Bearing					
14	67969X	4	Shire					
15	67968X	4	Shim					
16	67967X	4	Shim					
17	67953X	2	Half Shelt, Brake					
18	67939X	1	Flange					
19	67979X	16	Capscrew					
20	67979X	16	Thrustwasher					
21	68079X	1	Bevel Drive					
22	67971X	1	Bearing					
23	67972X	2	Shimn					
24	67973X	2	Shim					
25	67974X	1	Bearing					
26	67975X	4	Shim					
27	67977X	4	Shimn					
28	67964 X	1	Spacer					
29	67963X	1	Snap Ring					
30	67962X	1	Oil Seal					
31	67930X	1	Pin					
32	67928X	1	Flange					
33	67929X	1	Cover					
34	67961X	1	Ring Nut	644D-3	4 S/N 108			
35	67976X	4	Shim					
36	67966X	1	Bearing					
37	67915X	1	Oil Plug					
			-	CENTER				b) 1.7.1 •



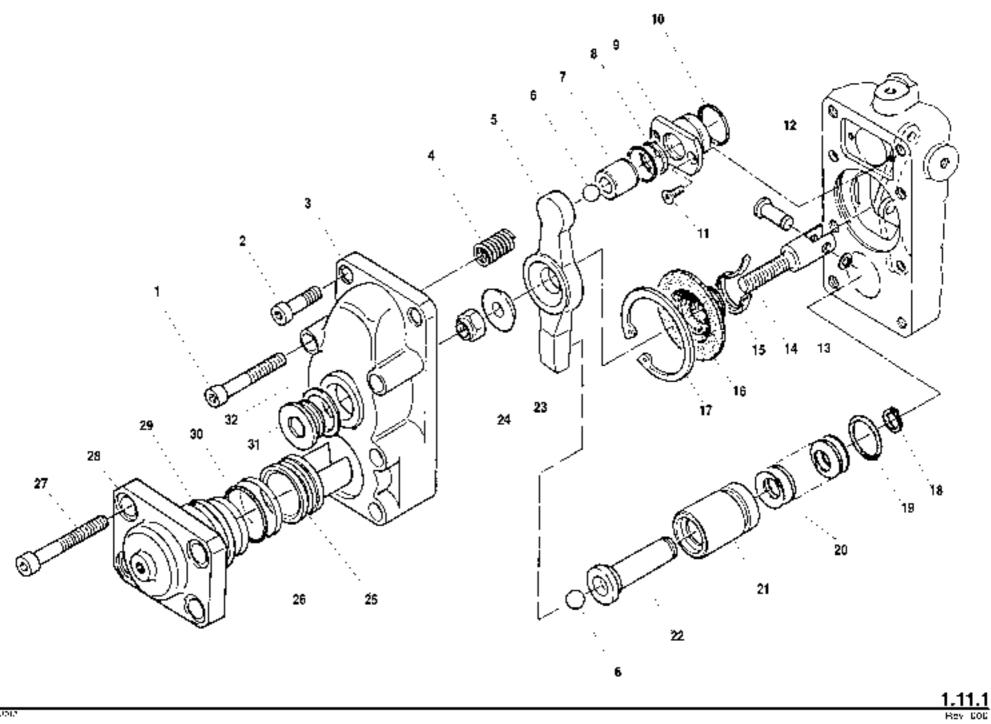
ITEM	PART NO.	QTY.	DESCRIPTION		
1	67981X	-	Differential Case Assembly		Hev. 000
2	67982X	1	Case, Differential		
3	67983X	2	Disc & Friction Plate Kil		
4	67985X	4	Thrust Wesher		
5	67984X	1	Geau, Differential		
6	67986X	2	Pin		
				844D-34 S/N 108	[
			DIFFERENTIAL CAS	E ASSEMBLY FRONT AXLE (420S) 1.8.1	644D ▼
					•



ITEM	PART NO.	QTY,	DESCRIPTION		Hev. 000
1	68075X	-	Differential Case Complete		Hev. 000
2	68076X	1	Case, Differential		
3	68078X	2	Washer		
4	67985X	4	Thrust Wesher		
5	67986X	2	Pin		
6	68077X	1	Sət. Diflerential Gear		
				DAAD SA ÚSI 400	ł
				844D-34 S/N 108	
					644D
			DIFFERENTIAL CAS	SE ASSEMBLY REAR AXLE (420S) 1.9.1	

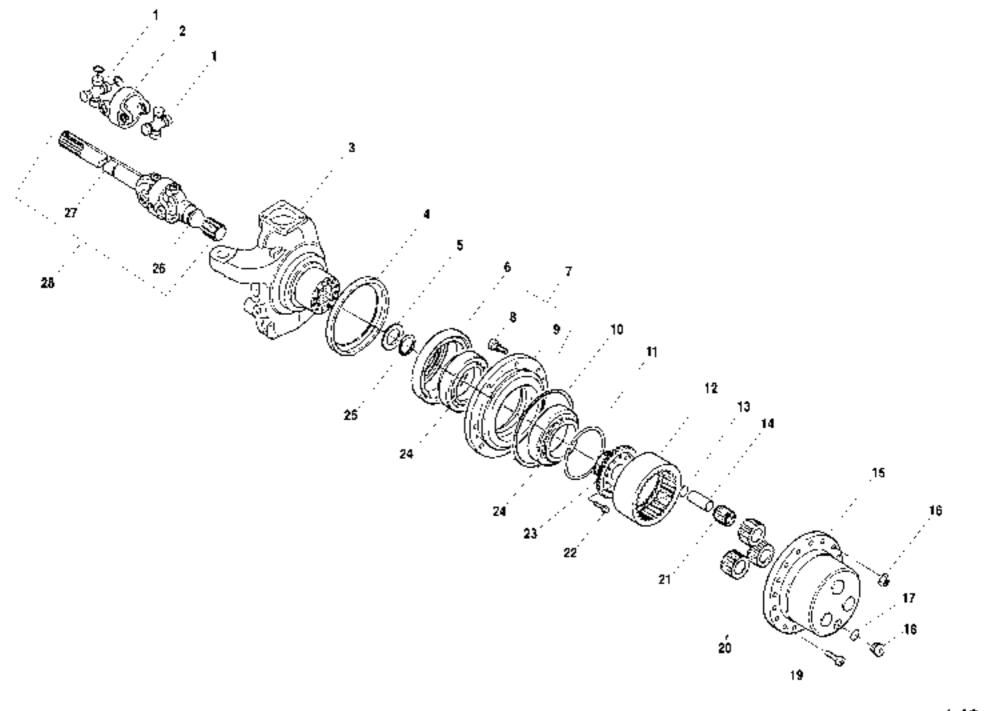


<u>ITEM</u>	PART NO.	QTY.	DESCRIPTION		Hev. 062
1	67990X	1	Box, Brake, Fight Hand		Hev. 01.2
	67991X	1	Box. Brake, Left Hand		
2	67994 X	1	Spring		
3	68000X	1	Ball		
4	67999X	1	Piston, Blake		
5	67998X	1	Oil Seal. Brake		
5	67997X	1	Bushing		
7	67996X	1	O-Ring		
8	68001X	2	Screw		
9	68009X	1	Pin		
10	68011X	1	Snap Bing		
11	68010X	1	Fork		
12	68008X	1	Clamp		
13	68007X	1	Seal Ring		
14	68006X	1	Snap Bing		
15	66002X	1	Transmission		
16	67995X	٦	Brake Lever		
17	67993X	1	Ball Washer		
18	67992X	1	Nut		
19	68005X	1	Pm		
20	68004X	1	O-Ring		
21	66003X	1	O-Ring		
22	67989X	٦	Gasket		
23	67965X	1	Oil Plug		
24	68068X	1	Snap Ring		
25	67980X	4	Screw		
26	67987X	4	Screw		
				844D-34 S/N 108	•
			BRAVE BO	ASSEMBLY FRONT AXLE (420S) 1.10.1	644D
			DHAKE DU	ASSEMIDET FROM FALLE (4203) 1.10.1	•



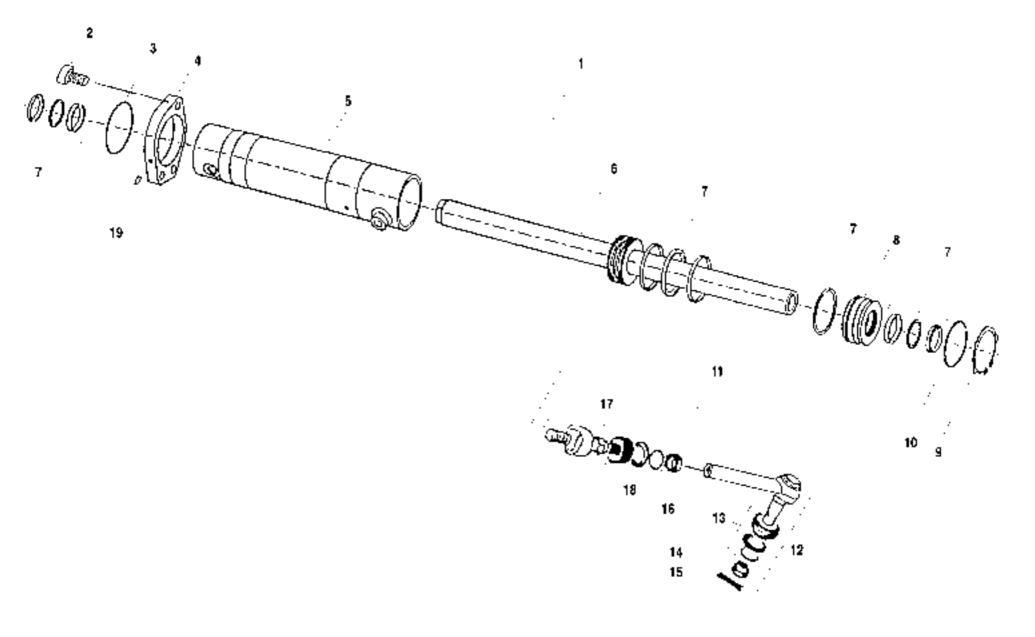
ITEM	PART NO.	QTY.	DESCRIPTION		
1	67980X	4	Screw	H	Hev. 000
2	67987X	4	Screw		
3	68069X	1	Box Brake, Rear Axle		
4	67994X	1	Spring		
5	68070X	1	Lever, Brake		
6	68000X	2	Ball		
7	67999X	1	Piston, Blake		
8	67998X	1	Səal, Oil		
9	67997X	1	Bushing, Brake		
10	67996X	1	O-Bing		
11	68001X	2	Screw		
12	68009X	1	Pin		
13	68011X	1	Snap Bing		
14	68010X	1	Fork		
15	68008X	1	Clamp		
16	66007X	1	Seal Ring		
17	68006X	1	Snap Ring		
18	68069X	1	Shap Ring		
19	67909X	1	O-Ring		
20	66071X	16	Spring		
21	68067X	٦	Bushing, Brake		
22	66065X	1	Pm		
23	67993X	1	Ball Washer		
24	67992X	1	Nut		
25	68062X	1	Piston, Brake		
26	68061X	2	Ring		
27	68050X	4	Screw		
28	68058X	1	Flange		
29	68060X	1	O-Ring		
30	68063X	1	O-Ring		
31	6798BX	1	Oil Plug		
32	6 7989X	1	Gasket		
				844D-34 S/N 108	

BRAKE BOX ASSEMBLY REAR AXLE (420S) 1.11.1

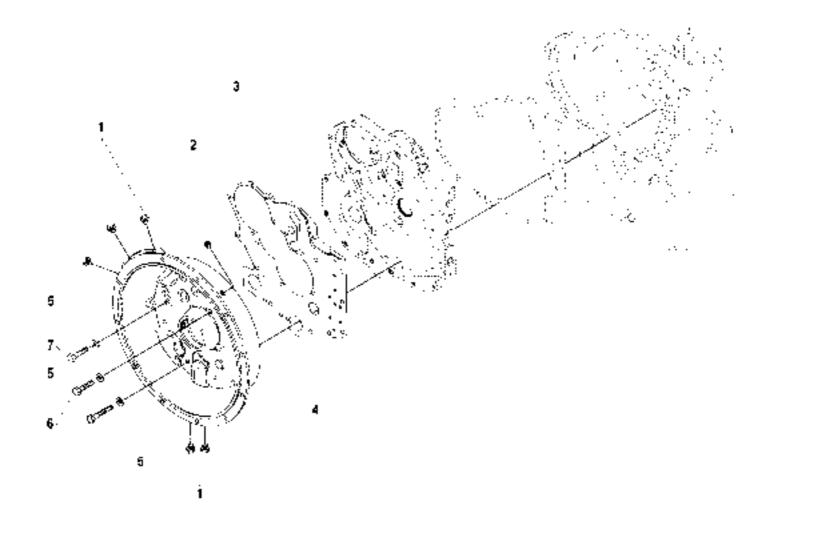


TEM	PART NO.	QTY.	DESCRIPTION	
1	68031X	2	U-Joint	
2	68032X	1	Coupling. Yoke	
3	67918X	1	Steering Knuckle, Right Front / Lett Rear	
	67921X	1	Steering Knuckle, Left Front / Right Rear	
4	67919X	1	Cover	
5	68028X	1	Thrust Washer	
5	68072X	1	Bax Ring	
7	68012X	-	Wheel Hub Complete (Includes Items 9 & 10)	
8	68014X	н	Stud,Wheel	
9	68013X	1	Hub. Wheel	
10	68016X	1	O-Ring	
11	68017X	1	Ring	
12	68020X	1	Ring Gear	
13	68021X	Э	Snap Ring	
14	68022X	3	Pin, Planet	
15	68026X	1	Flange	
16	68024X	8	Lug Nut	
17	67902X	1	Gaskel	
18	67915X	۱	Oil Plug	
19	68027X	2	Screw	
20	68025X	1	Set, Planet Geer	
21	66023X	3	Cago, Roller Bearing	
22	68019X	12	Screw	
23	68019X	1	Sun Gear	
24	68015X	2	Bearing	
25	67950X	1	Shap Ring	
26	1100333	1	Half Shaft	
27	68033X	1	Differential Half Shatt	
28	68029X	1	Shafi Assemble (Includes Items 1-2, 26 & 27)	
				844D-34 S/N 108

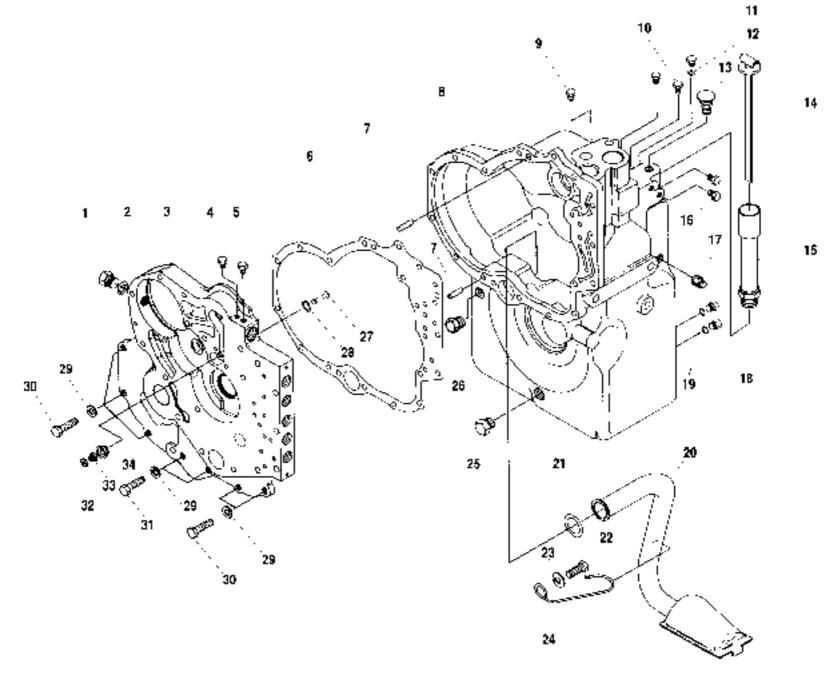
STEER AXLE SHAFTS & KNUCKLE ASSEMBLY (420S) 1.12.1



ITEM	PART NO.	QTY.	DESCRIPTION		
1	68040X		Steer Cylinder (Includes Items 2-10)		nev vo
2	68050X	з	Screw, Cylinder		
3	68048X	1	Snap Aing		
4	68047X	1	Flange		
5	68046X	1	Barrel, Steer Cylinder		
6	68045X	1	Rod. Steer Cylinder		
7	68041X	1	Seal Kit		
8	68044X	1	Piston		
9	68042X	1	Snap Bing BB		
10	68043X	1	Snap Ring RW		
11	68051X	1	Steering Arm Assembly (Includes Items 12-18)		
12	68052X	1	Steering Arm (Includes Items 13-15)		
13	68073X	1	Kit, Bing & Guard		
14	68056X	1	Nut		
15	68055X	1	Split Pin		
16	68054X	1	Nul		
17	68053X	1	Axial Joint (Includes Item 18)		
18	68074X	1	Kil, Fing & Guard		
19	68049X	1	Pin, Elestic		
				844D-34 S/N 108	ł
				ER CYLINDER ASSEMBLY (420S) 1.13.1	644D
			516	ER GTEINDER ASSEMBLY (4205) 1.13.1	Ŧ



ITEM	PART NO.	QTY.	DESCRIPTION	
1	68200X	5	Plug	lev. 060
REF	68201X	-	O-Ring for Item 1	
2	68202X	1	Plug	
3	68203X	1	Gasket, Housing to Plate	
4	68204X	1	Converter Housing	
5	68205X	22	Lockwasher	
5	68206X	16	Capscrew	
7	68207X	6	Capscrew	
			844D-34 S/N 108	
			CONVERTER HOUSING ASSEMBLY (T12000) 1.15.1	644D ▼
				Ŧ

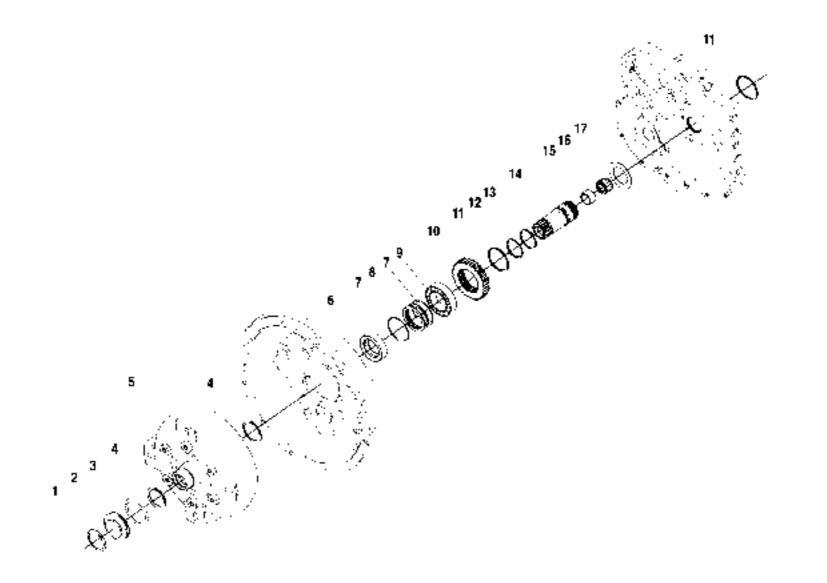


1.16.1 Rev 602

42.6515

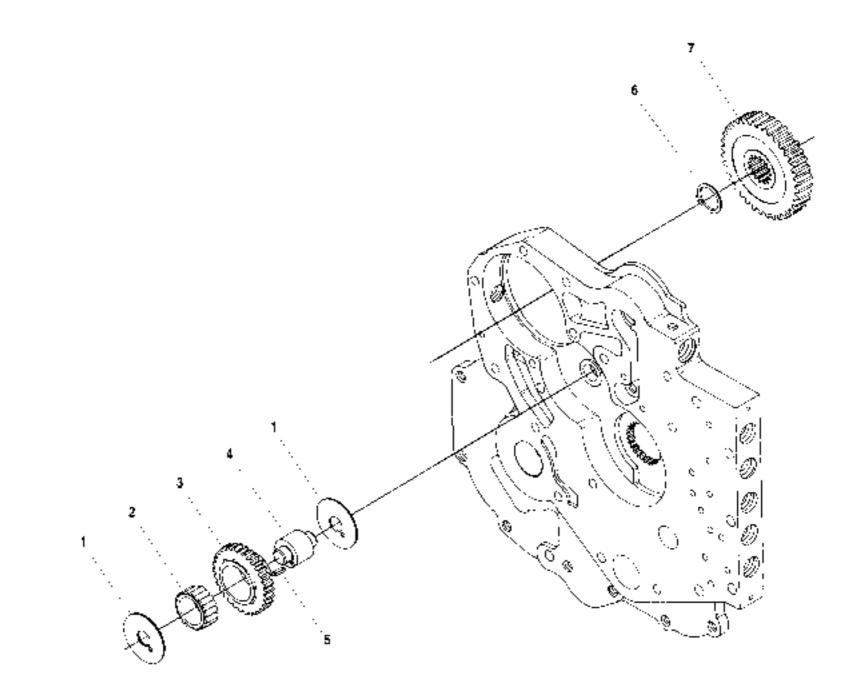
ITEM	PART NO.	QTY.	DESCRIPTION		
1	68209X	1	Plug, Sensoi Part		nev 003
2	68210X	1	O-Ring		
3	68211X	1	Plate, Spacer		
4	P20808	1	Plug, Inlet Pressure Port		
5	68212X	1	Plug, Outlet		
6	68213X	1	Gasket, Spacer Plate to Transmission		
7	68214X	2	Dowel Pin		
8	68215X	1	Case, Transmission		
9	68216X	1	Plug, Filler		
10	P20808	1	Plug, Pipe		
11	68209X	1	Plug, Speed Sensor Port		
12	68210X	1	O-Ring		
13	68217X	1	Air Breathen		
14	1100332	1	Dipstick, Transmission		
15	8034964	1	Tube Dipstick		
16	68200X	2	Plug		
17	68218X	1	Plug, Sensor Port		
18	68220X	2	Plug, Óil Level		
19	68219X	2	O-Ring		
20	68221X	1	Oil Supply Tube		
21	37074X	٦	Seal, Oil Supply Tube		
22	68222X	1	Capscrew		
23	68223X	1	Washer		
24	68224X	1	Retaining Clip		
25	P20614	1	Plug, Magnetic Drain		
26	68225X	1	Plug, Dram		
27	68226X	1	Velve, Poppet		
28	68227X	1	Snap Aing		
29	68205X	9	Lockwasher		
30	68344 X	7	Capscrew		
31	6822BX	2	Capscrew		
32	68345X	1	Washer, Poppet		
33	P23310	1	Spring, Safety Valve		4
34	68229X	1	Seat, Safety Valve	844D-34 S/N 108	
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TRANSMISSION CASE & PLATE ASSEMBLY (T12000) 1.16.1

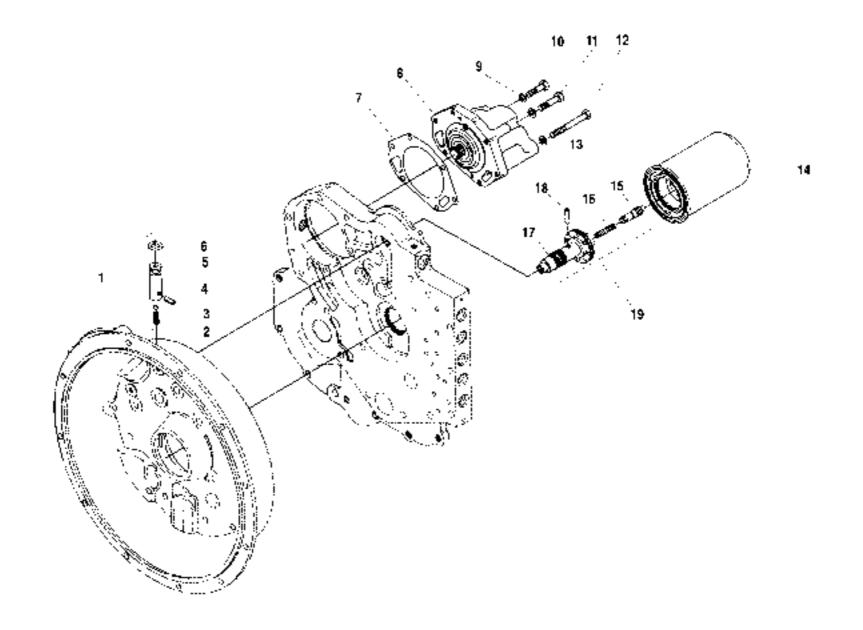


1.17.1 Rev DOD

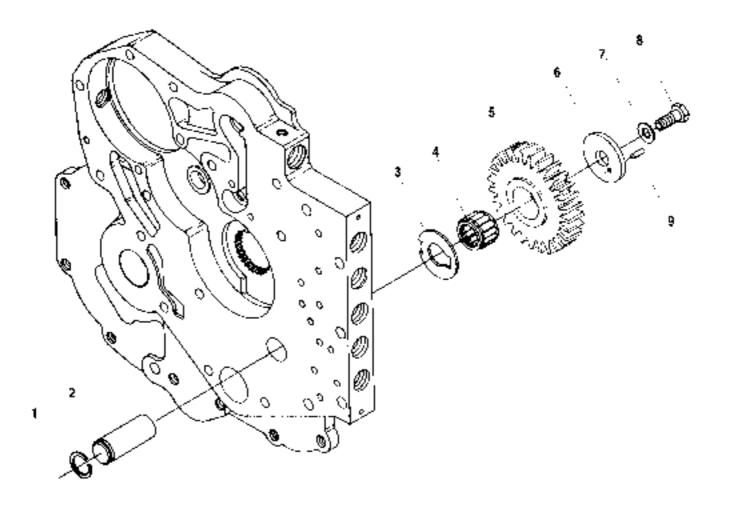
ITEM	PART NO.	QTY.	DESCRIPTION		
1	68230X	1	Snap Aing		Hev. 000
2	P20565	1	Plug, Torque Canverter		
3	68231X	1	O-Aing		
4	68232X	2	Snap Ring		
5	68233X	1	Torque Converter		
6	37072X	1	Oil Seal		
7	37071X	1	O-Aing		
8	68234X	2	Oil Distributor Ring		
9	68235X	1	Bearing, Torque Converter		
10	68236X	1	Gear, Impeller Hub		
11	68237X	1	Snap Ring, Stator Support		
12	37070X	2	Piston Ring. Stator Support		
13	68238X	1	Expander, Piston Ring, Stator Support		
14	68239X	1	Stator Support Assembly (Includes Items 15 & 16)		
15	68240X	1	Bushing		
16	68242X	1	Bearing		
17	68241X	1	Washer, Impeller Hub Gear		
				844D-34 S/N 108	
					6440
			TORQUE	CONVERTER ASSEMBLY (T12000) 1.17.1	••••₽



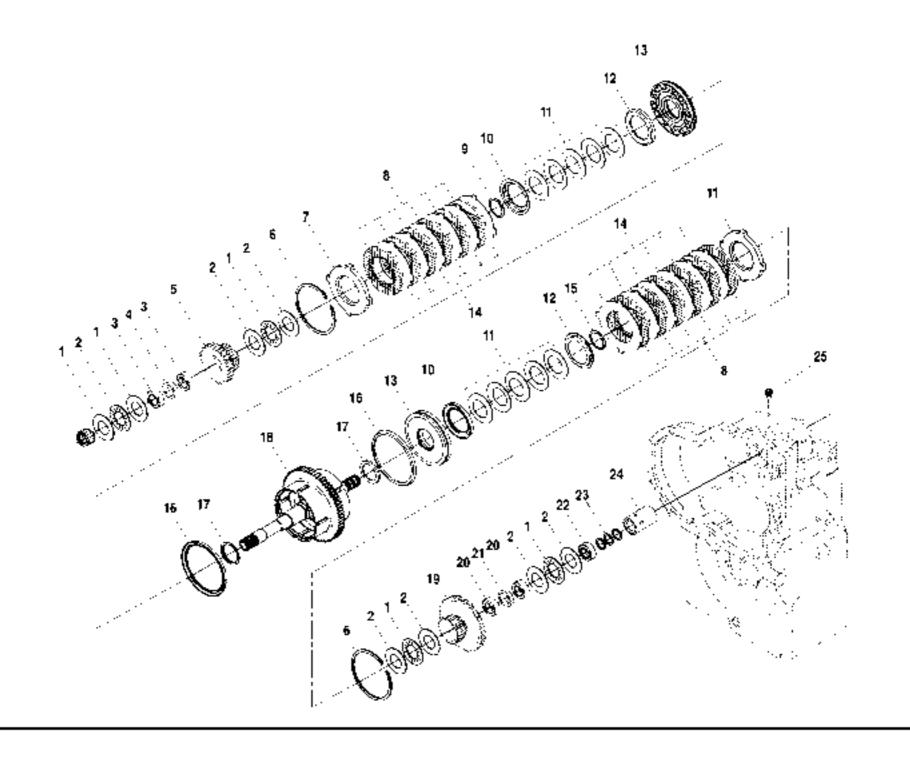
1 68243X 2 Thirds Wesher, Pump Drive (Ider 2 68244X 1 Baring, Ider Gear 3 68245X 1 Gear, Pump Drive (Ider (311)) 4 37073X 1 Pump Drive (Ider (311)) 5 662448X 1 Snap Ring 7 68246X 1 Snap Ring 7 68246X 1 Gear, Pump Drive (341) 8 68246X 1 Snap Ring 7 68247X 1 Gear, Pump Drive (341) 7 68247X 1 Gear, Pump Drive (341) 8 1 Gear, Pump Drive (341) Gear, Pump Drive (341) 8 1 Gear, Pump Drive (341) Gear, Pump Drive (341) 8 1 Gear, Pump Drive (341) Gear, Pump Drive (341) 8 1 Gear, Pump Drive (341) Gear, Pump Drive (341) 8 1 Gear, Pump Drive (342) Gear, Pump Drive (342) 8 1 Gear, Pump Drive (342) Gear, Pump Drive (342) 8 1 Gear, Pump Drive (342) Gear, Pump Drive (342) 9	ITEM	PART NO.	OTY.	DESCRIPTION		
2 6824X 1 Bearing, Idler Gear 3 66245X 1 Geor, Pump Drive Idler (31T) 4 37072X 1 Pump Drive Idler Shaft (Includes Item 5) 5 68249X 1 Rol Pin 6 68249X 1 Shap Fing 7 66247X 1 Geor, Pump Drive (34T)						Hev. 000
3 68245X 1 Gen, Pump Drive Idler (3hT) 4 37073X 1 Pump Drive Idler Shaft (Includes Item 5) 5 68244X 1 Snap Fing 7 68247X 1 Gen, Pump Drive (34T)	2	68244X	1	Bearing, Idler Gear		
4 37073X 1 Pump Drive Idler Shaft (Includes Item 5) 5 68248X 1 Roll Pin 6 68247X 1 Geau, Pump Drive (34T) 7 68247X 1 Geau, Pump Drive (34T)	3	68245X	1			
6 68246X 1 Snap Ring 7 68247X 1 Geau, Pump Drive (34T)	4	37073X	1			
7 68247X 1 Geau, Pump Drive (34T)	5	68248X	1	Roll Pin		
	6	6 8246X	1	Snap Ring		
B44D-34 S-N 108	7	68247X	1	Geal, Pump Drive (34T)		
844D-34 S/N 108						
844D-34 S/N 108						
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844D-34 S/N 108						
844D-34 S.N 108						
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					844D-34 S/N 108	
PUMP DRIVE ASSEMBLY (T12000) 1.18.1					PUMP DRIVE ASSEMBLY (T12000) 1.18.1	64412



ITEM	PART NO.	QTY.	DESCRIPTION		
1	68250X	1	Check Valve Assembly (Includes Items 2-6)		Hev. 000
2	68253X	1	Spring		
3	68252X	1	Ball		
4	68251X	1	Pin		
5	N.S.S	-	Housing, Check Valve		
0	6 8249X	1	O-Ring		
7	68254X	1	Gasket, Charging Pump		
8	68255X	1	Pump. Charging		
9	68346X	5	Lockwasher		
10	68256X	1	Capscrew		
11	68257X	4	Capscrew		
12	68258X	1	Capscrew		
13	68205X	1	Lockwasher		
14	68259X	1	Filler		
15	68260X	1	Piston		
16	68261X	1	Spring		
17	68263X	1	Sleeve		
18 19	68262X 68264X	1	Pm Regulator Valve Assembly (Includes Items 15-18)		
				644D-34 S/N 108	ľ
			CHARGING DU	MP & FILTER ASSEMBLY (T12000) 1.19.1	644C

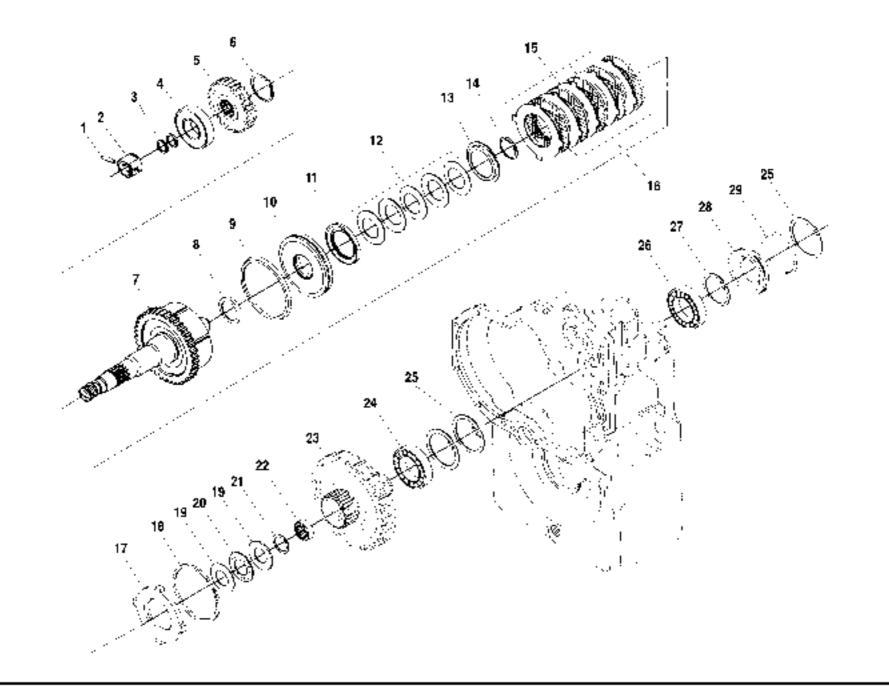


ITEM	PART NO.	QTY.	DESCRIPTION		
1	68265X	1	Snap Aing		Hev. 000
2	68266X	1	Shaft, Idler & Pilot		
3	68267X	1	Thrust Washer		
4	68268X	1	Bearing, Reverse Idler Gear		
5	68333X	1	Geal, Reverse Idler		
ő	68269X	1	End Plate		
7	68270X	1	Washer		
8	68271X	1	Capscrew		
9	68271X	1	Roll Pin		
1 2	DOCIZA		Roman		
					•
				844D-34 S/N 108	
				ERSE IDLER ASSEMBLY (T12000) 1.20.1	644D ▼
				ERSETDEEN ASSEMIDER (112000) 1.20.1	•



ITEM	PART NO.	QTY.	DESCRIPTION		
1	37066X	8	Thrust Washer		Hev. 000
2	37065X	4	Thrust Washer Bearing		
3	68334X	2	Reverse Clutch Gear Bearing		
4	68335X	1	Reverse Clutch Bearing Spacer		
5	68336X	1	Reverse Clutch Gear Bearing Assembly		
6	68273X	2	Snap Ring		
7	37067X	1	End Plate		
8	37064X	12	Inner Disc		
9	68274X	1	Snap Bing		
10	68275X	2	Relainer. Snap Ring		
11	68276X	1	Disc Washer Spring Set (Includes 5 Washers)		
12	68277X	2	Wear Plate, Clutch Piston		
13	68278X	2	Clutch Piston Assembly (Includes Items 13 & 14)		
14	37063X	12	Outer Disc		
15	68274X	1	Snap Bing		
16	37062X	2	Outer Seal, Clutch Piston		
17	37061X	2	Inner Seal, Clutch Piston		
18	68279X	1	Turbine Shall Drum & Plug Assembly		
19	68337X	1	Forward Gear & Clutch Assembly		
20	68334X	2	Bearing		
21	68335X	1	Bearing Spacer		
22	68280X	1	Bearing, Turbine Shall		
23	37060X	з	Piston Ring		
24	68281X	1	Sleeve, Oil Distribution		
25	68282X	1	Retaining Screw		
				DAAD 38 Ú.S. 100	+
				844D-34 S/N 108	
					6441

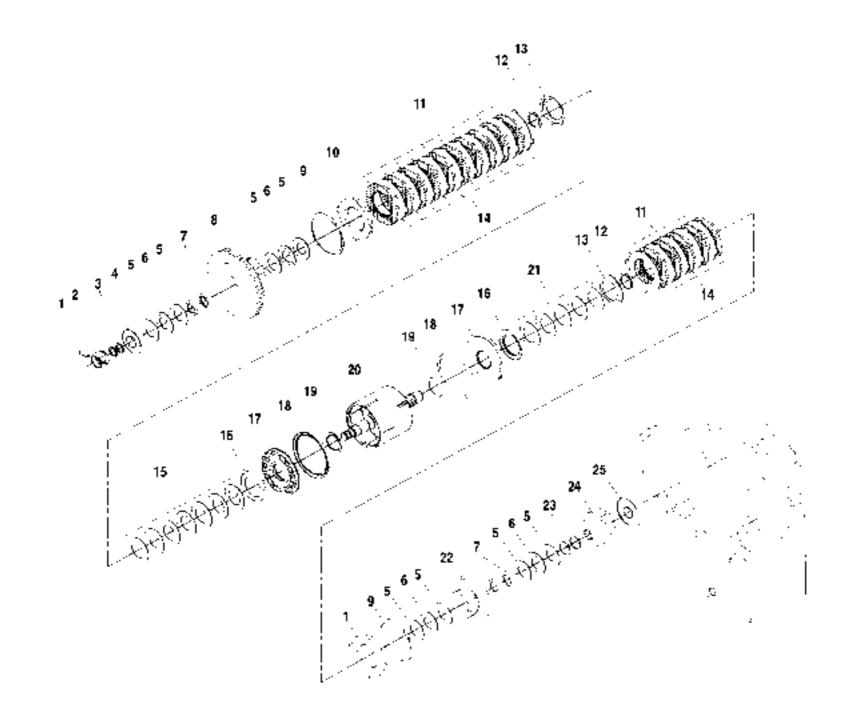
FORWARD & REVERSE SHAFT ASSEMBLY (T12000) 1.21.1



М	PART NO.	QTY.	DESCRIPTION	
1	68283X	1	Sleeve locating Screw	
2	68284X	1	Sleeve, Oil Distribution	
3	37060X	2	Piston Hing	
4	68285X	1	Bearing & Seal Assembly	
5	68338X	1	Geal, Drive	
ô	68286X	1	Snap Ring	
7	68287X	1	3rd Gear Shaft, Drum & Plug Assembly	
8	37061X	1	Seal, Inner Clutch Piston	
9	37062 X	1	Seal, Outer Clutch Piston	
10	6828BX	1	Clutch Piston & Ball Seat Assembly	
		1	(Includes Items & & 9)	
11	68277X	1	Clutch Piston Wear Plate	
12	68276X	1	Disc Spring Assembly (Includes 5 Springs)	
13	68275X	1	Snap Ring Retainer	
14	68274X	1	Snap Ring	
15	37063X	5	Outer Disc- 3rd Clutch	
16	37064X	5	Inner Disc- 3rd Clutch	
17	37067X	1	End Plate	
18	68273X	1	Snap Ring, End Plate	
19	37066X	2	Thrust Washer	
20	37065X	٦	Thrust Wesher Beering	
21	66283X	1	Shap Ring, Thrust Washer Retaining	
22	68290X	1	Bearing	
23	68339X	1	3rd Gear & Shaft	
24	68291X	1	Bearing, Rear	
25	68302X	5	Shap Ring, Rear Bearing Refaining	
26	P23509	1	Bearing, Output Shaft	
27	68292X	1	Snap Aing, Output Shalt Bearing Aetaining	
28	68293X	1	Plug. Capped End	
29	68294 X	1	Oil Seal Sleeve O-Ring	

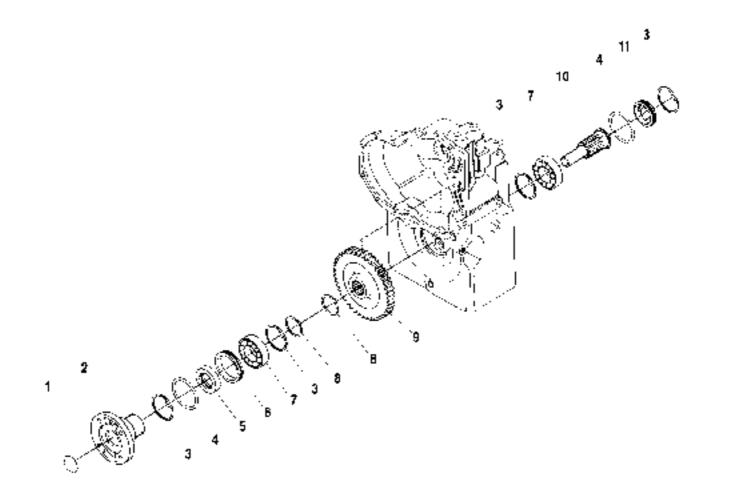
844D-34 S/N 108

3RD GEAR & OUTPUT SHAFT GROUP (T12000) 1.22.1

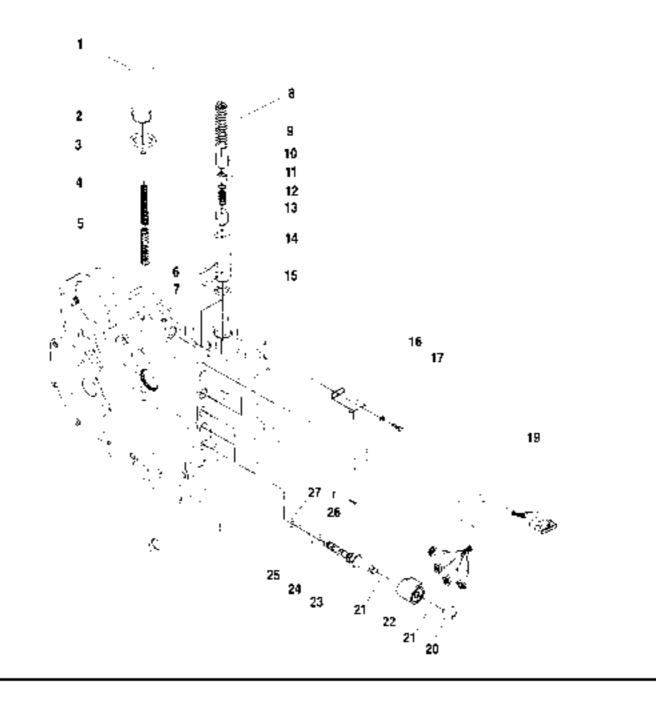


ITEM	PART NO.	QTY.	DESCRIPTION		
1	68283X	1	Screw Sleeve Locating		Hev. 000
2	68295X	1	Oil Distribution Sleeve		
3	37060X	2	Piston Ring		
4	68285X	1	Bearing & Seal Assembly		
5	37066X	Ð	Thrust Washer, Clutch Gear		
0	37065X	4	Thrust Washer Bearing, Clutch Gear		
7	68337X	2	Bearing Assembly		
8	68340X	1	1st Clutch & Gear Assembly		
9	68273X	2	Snap Ring, End Plate		
10	37067X	2	End Plate		
11	37064 X	15	Inner Disc		
12	68274X	2	Snap Ring, Retaining		
13	68275X	2	Retainer, Shap Ring		
14	37063X	15	Outer Disc		
15	68296X	2	Clutch Disc Spring Set (Includes 7 Springs)		
16	68252X	2	Wear Plate, Clutch Piston		
17	68297X	2	Clutch Piston & Seal Assembly		
			(Includes Items 17 & 18)		
18	37062X	2	Outer Seal, Clutch Piston		
19	37061X	2	Inner Seal, Clutch Piston		
20	68298X	٦	1st & 2nd Gear Shatt, Drum & Plug Assembly		
21	66276X	1	2nd Gear Clutch Disc Spring Set		
			(Includes 5 Springs)		
22	68341X	1	2nd Clutch &n Gear Assembly		
23	68286X	2	Snap Ring		
24	68342X	1	3rd Clutch Driven Geor		
25	68299X	1	Bearing, Rear		
				844D-34 S/N 108	1
1					

1ST AND 2ND GEAR SHAFT GROUP (T12000) 1.23.1

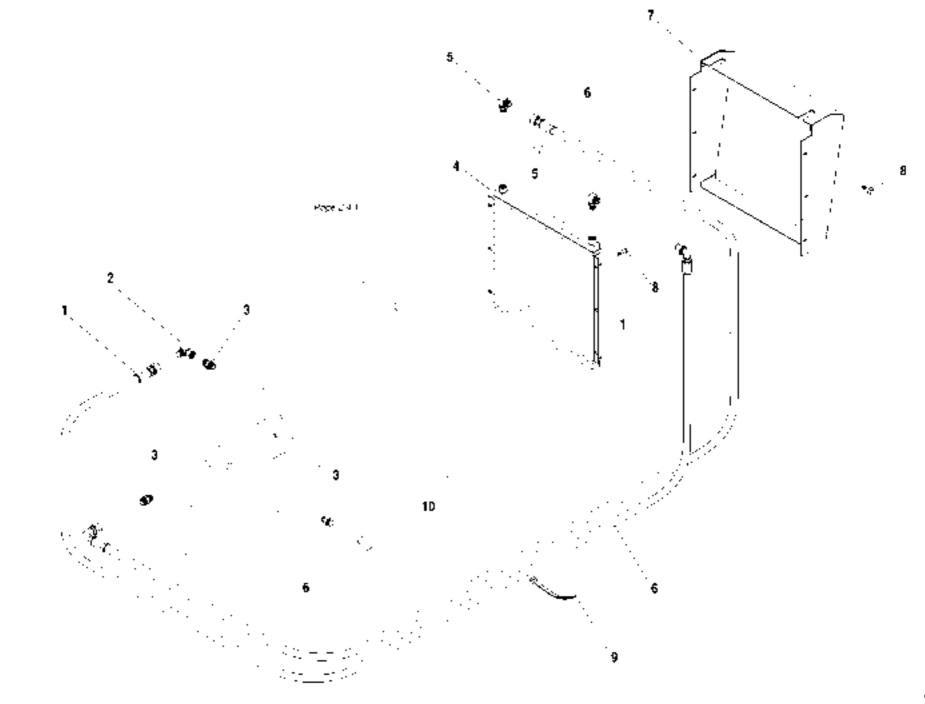


ITEM	PART NO.	QTY.	DESCRIPTION		-
1	68300X	1	Plug, Flange		Пек 301
2	0 1100322	1	Output Flange, 7/16'-20 Threads		
	NLA	1	Output Flange 12MM Threads		
з	68302X	2	Snap Ring, Output Shaft Bearing		
4	68294X	2	Oil Seal Sleeve O-Ring		
5	P20723	1	Oil Seal, Output Shafi		
5	68303X	1	Oil Seal, Sleeve		
7	P23509	2	Bearing, Output Shaft		
8	68292X	2	Snap Ring		
9	1100317	1	Gear, Output Shaft		
10	1100318	1	Output Shaft & Brake Flange		
11	1100319	1	Output Shalt Bore Plug		
12	2 8310469	4	Capscrew, Socket Hd : 7/16'-20 x 1 1/4"		
13	6 8307006	4	Lockwasher, 7/16*		
8		re requir	eaded output flange new drive shaft mounting bolts ed. See itmes 12 & 13. .S. = Not Sold Separately		
				844D-34 S/N 108	
				OUTPUT SHAFT GROUP (T12000) 1.24.1	644D ▼



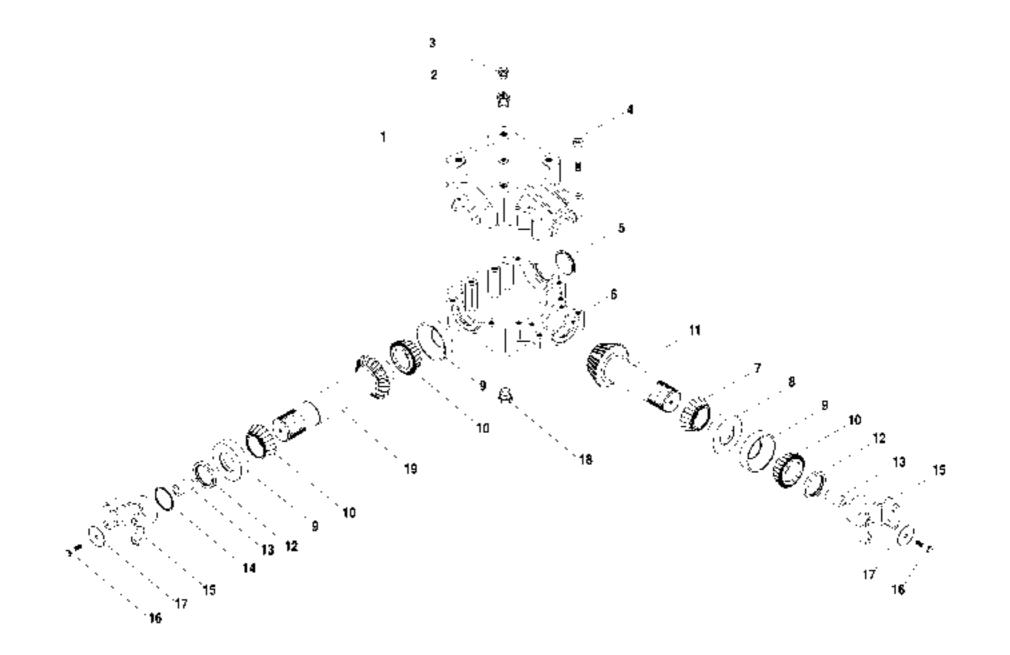
ITEM	PART NO.	QTY.	DESCRIPTION		
AEF	68331X	1	Modulator Valve Assembly (Includes Items 1-14)		Hev. 000
1	68306X	1	Housing, Modulator Valve		
2	68307X	1	O-Aing		
3	68308X	1	Stop Pin		
4	68309X	1	Spring, linner		
5	68310X	1	Spring, Middle		
5	68311X	1	Pin, Upper		
7	68312X	1	Pin, Lower		
8	68929X	1	Spring, Outer		
9	68319X	1	Accumulator Spool		
10	68318X	1	Spring Detainer		
11	68317X	1	Spacer. Spring		
12	68316X	1	Spring		
13	68315X	1	Regularlor Spool		
14	68314X	1	Steeve, Modulation Housing		
15	68313X	1	O-Ring		
16	68323X	٦	Cover, Protective		
17	68321X	2	Lockwasher		
18	68322X	2	Capscrew		
19	68396X	1	Wireing Harness		
20	68324X	1	Retaining Nut		
21	68325 X	1	O-Ring		
22	68326X	1	Solenoid Cail		
23	68332X	4	Valve Cortridge, 4 Way		
24	68330X	1	O-Ring		
25	68329X	1	O-Ring		
26	68328X	1	O-Ring		
27	68327X	1	O-Aing		
				844D-34 S/N 108	ł
				0140-04 6/11 108	

ELECTRIC CONTROL GROUP (T12000) 1.25.1

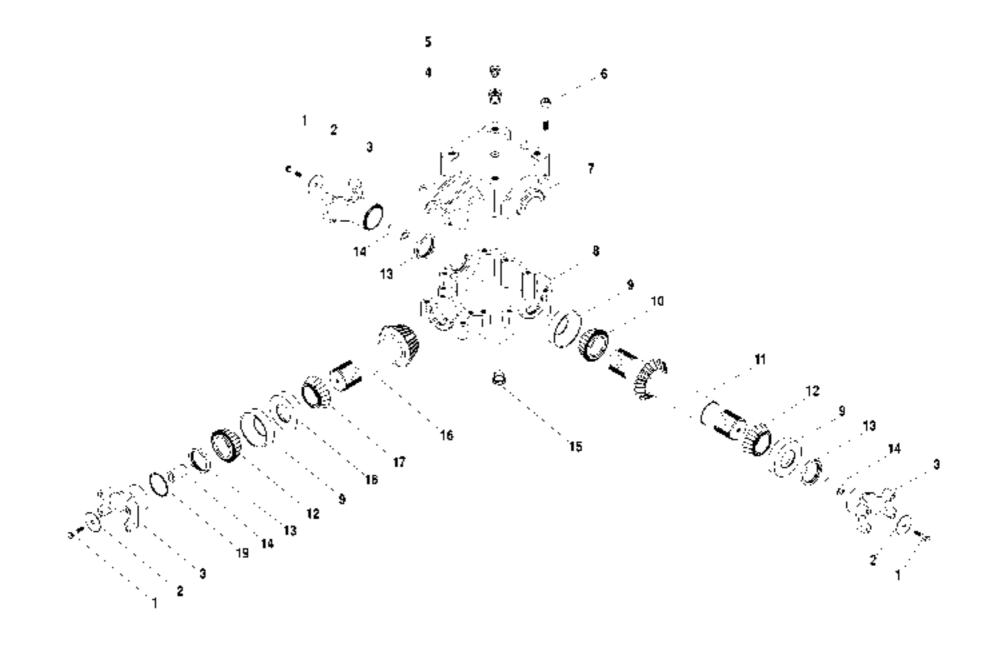


1.26.1 Rev COI

ITEM	PART NO.	QTY.	DESCRIPTION		_
1	66750X	1	Hose, Transmission Oil Copler		Rev 001
2	P17802	1	Apapter, 90°		
3	P23901	1	Apapter, Straight		
4	67234B	1	Coaler, Oil		
5	P17802	2	Apapter, 90"		
6	66747X	1	Hose, Transmission Oil Cooler		
7	67381C	1	Shroud Radiator		
8	P05320	6	Capscrew, Hx., 5/16'-18 × 1/2'		
9	P17989		Cable Tie		
10	68106X	1	Hose Transmission Oil Cooler		
1.2	5010570	•			
					•
				844D-34 S/N 108	
				TRANSMISSION OIL COOLER 1.26.1	644D ▼
					•



2 68 3 111 4 68 5 111 6 111 7 111 8 111 9 111 10 111 12 111 13 111 14 111 15 68 16 68 17 68	100301 8392X 100310	1 1	Casing, Machined Upper Bushing, 1/2 NPT to 1/8 NPT		Hev. 064
3 111 4 68 5 111 6 111 7 111 8 111 9 111 10 111 11 111 12 111 13 111 14 111 15 68 16 68 17 68			Bushing, 1/2 NPT to 1/8 NPT		
4 68 5 111 6 111 7 111 8 111 9 111 10 111 11 111 12 111 13 111 14 111 15 68 16 68 17 68	100310		-		
5 111 6 111 7 111 8 111 9 111 10 111 11 111 12 111 13 111 14 111 15 68 16 68 17 68		1	Plug, Vent 5 P S I		
6 110 7 111 8 110 9 110 10 110 11 110 12 110 13 110 14 110 15 688 16 688 17 688	i8390X	12	Bolt. 3/8-16 x 2 1/4" SHCS		
7 11 8 11 9 11 10 11 11 11 12 11 13 11 14 11 15 68 16 68 17 68	100315	1	Plug, End		
8 110 9 110 10 110 11 110 12 110 13 110 14 110 15 68 16 68 17 68	100300	1	Casting, Machined Lower		
9 110 10 110 12 110 13 110 14 110 15 68 16 68 17 68	100304	1	Bearing, Cup		
10 11 11 11 12 11 13 11 14 11 15 68 16 68 17 68	100305	1	Bearing, Cone		
11 11 12 11 13 11 14 11 15 68 16 68 17 68	100306		Bearing, Cup		
12 11 13 11 14 11 15 68 16 68 17 68	100307	3	Bearing. Cone		
13 11 14 11 15 68 16 68 17 68	101375	1	Pinion, Shaft/Gear, Assembly		
14 11) 15 68 16 68 17 68	100308	2	Seal		
15 68 16 68 17 68	100311		Spacer		
16 68 17 68	100309	1	Ring, Retaining 1 3/4*		
17 68	8393X	2	Yoke End		
1	8394 X	2	SHCS 3/8"-16 × 1 1/4"		
	i8395X	2	Washer, .300 × 1.750 Gearbox		
1	8389X 101376	1 1	Plug 1/2 NPT SKHD Hex Pinion\Gear Sub Assembly		
				844D-34 S/N 108	



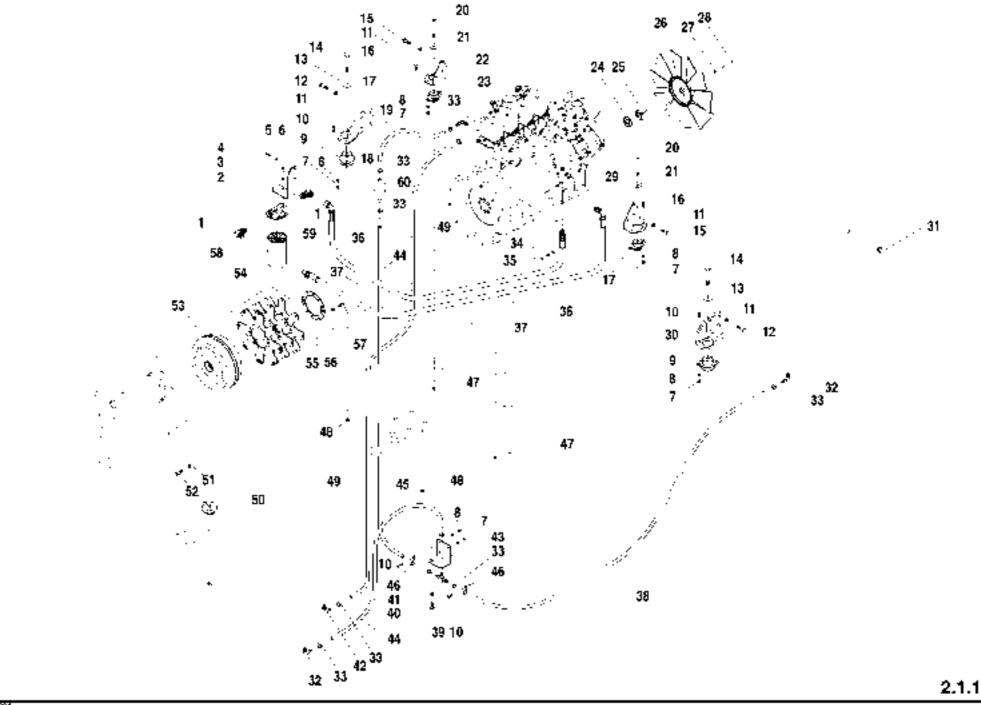
1 68393X 3 SHCS 48*-16 x 1 1 4* 3 68393X 3 Yoke End 4 68393X 3 Yoke End 5 1100310 1 Pug, Vent 5 PS 1. 6 68390X 12 Bohing 1/2 NPT to 1/3 NPT 1 7 1100300 1 Casting, Machined Upper 8 1100301 1 Casting, Machined Upper 8 1100301 1 Casting, Machined Upper 8 1100305 Bearing, Cup 10 10 1100312 1 Bearing, Cup 11 100517 1 Cross-Cear Sub Ascembly 12 1100307 2 Bearing, Cup 13 100X108 3 Seal 14 100311 3 Spacer 15 68380X 1 Pug 12 NPT SKHD Hex 16 1010324 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4*	ITEM	PART NO.	QTY.	DESCRIPTION		
3 66390X 3 Yoke End 4 66390X 1 Bushing, Y2 NPT to 1/8 NPT 5 1100310 1 Plug, Vent S PS 1. 6 68390X 12 Bolt, 38-16 x 2 1/4" SHCS 7 1100301 1 Cashing, Machined Upper 8 1100311 1 Cashing, Machined Upper 8 1100301 1 Cashing, Machined Upper 11 1101372 1 Bearing, Cone 11 1101377 1 Cross-Cear Stuh Assembly 12 1100308 3 Seal 14 1100311 3 Spacer 15 68364X 1 Plug 12 NPT SKHD Hex 16 1101373 1 Pluor-Kear Stub Assembly 17 1100309 1 Bearing, Cone 18 1100309 1 Ring, Retaining, 1 3/4" 19 1100309 1 Ring, Retaining, 1 3/4"	1	68394X	3	SHCS 3/8"-16 × 1-1/4"		Hev. 064
4 68392X 1 Bushing, 1/2 NPT to 13 NPT 5 1100310 1 Plug, Vent 5 P.5 L 6 68390X 12 Bolt, 39-6 X, 21 /4" SHCS 7 1100301 1 Casting, Machined Upper 8 1100301 1 Casting, Machined Lower 9 1100317 1 Bearing, Cup 10 1103172 1 Bearing, Cup 11 1101377 2 Bearing, Cup 12 1100306 3 Seal 14 1100311 3 Spacer 15 68084X 1 Plug 12 NPT SKHD Hex 16 1101373 1 PunorX0ext Stb Assembly 17 1100304 1 Bearing, Cup 18 1100305 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4"	2	68395X	3	Wesher, .308 × 1.758 Gearbox		
5 1100310 1 Plug, Went S PS L. 6 68390X 12 Boh. 3/8-16 x 2 1/4" SHCS 7 1100301 1 Cashing, Machined Upper 8 1100306 1 Bearing. Cup 10 1100312 1 Bearing. Cup 11 1100377 1 Bearing. Cup 12 1100307 2 Bearing. Cup 13 1100307 2 Bearing. Cup 14 1100311 3 Succer 15 68390X 1 Plug TX PT SKHD Hex 16 1101375 1 PluortQear Sub Assembly 17 1100305 3 Succer 18 1100335 1 Bearing. Cup 19 1100309 1 Ring, Retaining. 1 3/4"	3	68393X	3	Yoke End		
6 68390X 12 Boit 38-16 x 2 1/4" SHCS 7 1100300 1 Cashing, Machined Upper 8 1100301 1 Cashing, Machined Upper 9 1100301 1 Bearing, Cup 11 1101577 1 CrosolCear Sub Assembly 12 1100301 2 Bearing, Cup 13 100305 3 Skal 14 1100311 3 Skal 15 68389X 1 Plug 1/2 NPT SKHD Hex 16 1101375 1 Pearing, Cup 17 1100304 1 Bearing, Cone 18 100303 1 Bearing, Cup 19 1103305 1 Bearing, Cup 19 1100304 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 2/4"	4	68392X	1	Bushing, 1/2 NPT to 1/8 NPT		
7 1100300 1 Casting, Machined Upper 8 1100301 1 Casting, Machined Lower 9 1100305 3 Bearing, Cone 11 1101377 1 Bearing, Cup 12 1100307 2 Bearing, Cup 13 1100305 3 Seal 14 1100307 2 Bearing, Cup 13 1100306 3 Seal 14 1100307 2 Bearing, Cup 13 1100308 3 Seal 14 1100301 3 Spacer 15 68369X 1 Plug 12 NPT SKHD Hex 16 1101375 1 Bearing, Cup 18 1100305 1 Bearing, Cup 19 1100302 1 Ring, Retaining, 1 3/4*	5	1100310	1	Plug, Vent 5 P.S I.		
8 1100301 1 Casing, Machined Lower 9 1100306 3 Bearing, Cup 11 1101377 1 Creas/Cear Suh Assembly 12 1100307 2 Bearing, Cup 13 1100306 3 Seal 14 1100311 3 Succer 15 68369X 1 Plug 12 NPT SKHD Hex 16 1101737 1 Proceverster Sub Assembly 17 1100304 1 Bearing, Cone 18 1100305 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4" 844D-34 SiN 108 844D-34 SiN 108	θ	68390X	12	Bolt. 3/8-16 x 2 1/4" SHCS		
9 1100336 3 Bearing, Cup 10 1100312 1 Bearing, Cup 11 101577 1 Cross/Gast Sub Assembly 12 1100307 2 Bearing, Cup 13 1100308 3 Seal 14 1100311 3 Spacer 15 68389X 1 Plug 12 NPT SMD Hex 16 1101375 1 Pluror/Gear Sub Assembly 17 1100304 1 Bearing, Cup 18 1100305 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 2/4*	7	1100300	1	Casting, Machined Upper		
10 1103312 1 Bearing. Cone 11 1101377 1 Cross/Gear Sub Assembly 12 110337 2 Bearing. Cup 13 1100304 3 Seal 14 1100311 3 Spacer 15 68308X 1 Plug 12 NPT SKHD Hex 16 1101375 1 Plug 012 NPT SKHD Hex 16 1101375 1 Plug 012 NPT SKHD Hex 16 1101375 1 Plug 012 NPT SKHD Hex 18 1100304 1 Bearing. Cup 19 1100305 1 Bearing. Cup 19 1100309 1 Ring. Retaining. 1 3/4*	8	1100301	1	-		
11 1101377 1 Cross/Gear Sub Assembly 12 1100307 2 Bearing, Cup 13 100308 3 Seal 14 1100311 3 Spacer 15 68388X 1 Plup 1/2 NPT SKHD Hex 16 1101375 1 Prupor/Gear Sub Assembly 17 1100304 1 Bearing, Cup 18 1100305 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4*	9	1100306	- 3	Bearing, Cup		
12 1100307 2 Bearing, Cup 13 1100305 3 Seal 14 1100311 3 Spacer 15 68389X 1 Plug 1/2 NPT SKHD Hex 16 1101375 1 Plug 1/2 NPT SKHD Hex 16 1101375 1 Plug 1/2 NPT SKHD Hex 17 1100304 1 Bearing, Cup 18 1100305 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4* Plug 1/2 NPT SKHD Hex Hex 19 1100309 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4*	10		1	_		
13 1100306 3 Seal 14 1100311 3 Spacer 15 68399X 1 Pug t/2 NPT SKHD Hex 16 1101375 1 Pug t/2 NPT SKHD Hex 17 1100304 1 Bearing, Cone 18 1100305 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4*				-		
14 1100311 3 Spacer 15 68389X 1 Plug 1/2 NPT SKHD Hex 16 1101375 1 Pluror/Gear Sub Assembly 17 1100304 1 Bearing, Cup 18 1100305 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4* B44D-34 8/N 108						
15 68369X 1 Plug 1:2 NPT SKHD Hex 16 1101375 1 Plug 1:2 NPT SKHD Hex 17 1100304 1 Bearing, Cone 18 1103305 1 Bearing, Cup 19 1100309 1 Bing, Retaining, 1 3/4*						
16 1101375 1 PuriorvGear Sub Assembly 17 1100304 1 Bearing, Cone 18 1100305 1 Bearing, Cup 19 1100309 1 Ring, Retaining, 1 3/4" 84D-34 S/N 108 844D-34 S/N 108			Э			
17 1100304 1 Bearing, Cone 18 1100305 1 Bearing, Cup 19 1100309 1 Bing, Retaining, 1 3/4"						
18 1100305 1 Bearing, Cup 19 1100309 1 Bing, Retaining, 1 3/4"				-		
19 1100309 1 Ring, Retaining, 1 3/4* B44D-34 S/N 108	1					
844D-34 S/N 108						
	19	1100339	1	Ring, Retaining, 1 3/41		
B44D-34 S/N 108 TEE GEARBOX 1.28.1 ^{\$44D}						
						L .
					844D-34 S/N 108	
TEE GEARBOX 1.28.1						
TEE GEARBOX 1.28.1						6440
					TEE GEARBOX 1.28.1	- -

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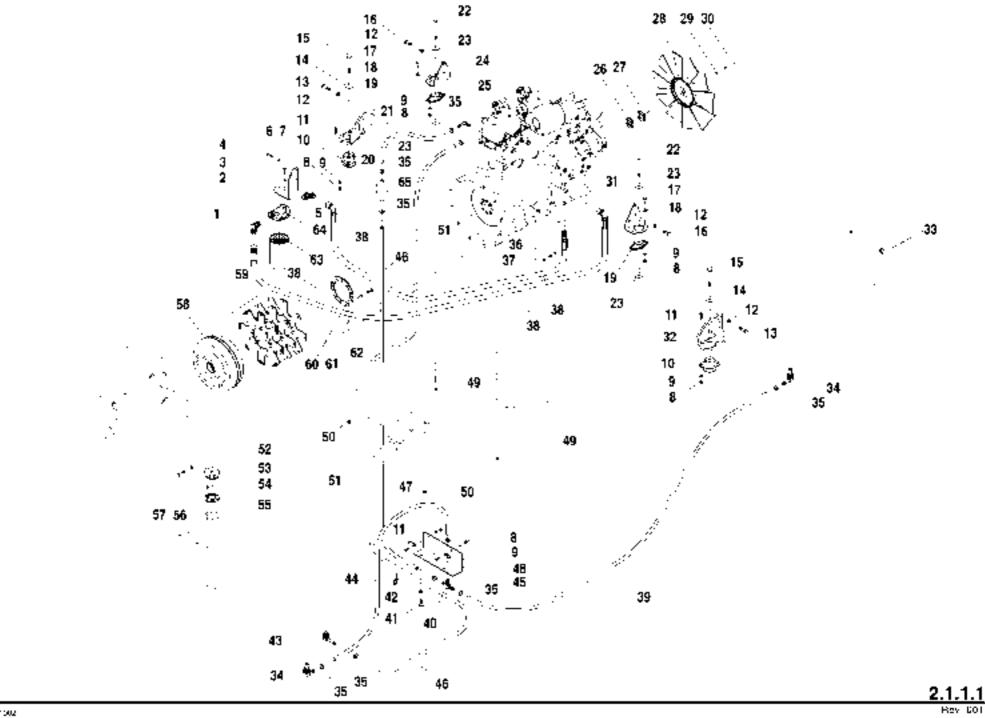
Section 2 — Power Plant

Cummins 4BT3.9

Engine Mounting & Fuel Lines											2 1.1
Exhaust Assembly							 				2.2.1
Air Cleaner Assembly							 				2.3.1
Radiator Group Assembly				 	 		 				 2.4.1
Throttle Group Assembly		 					 				2.5.1

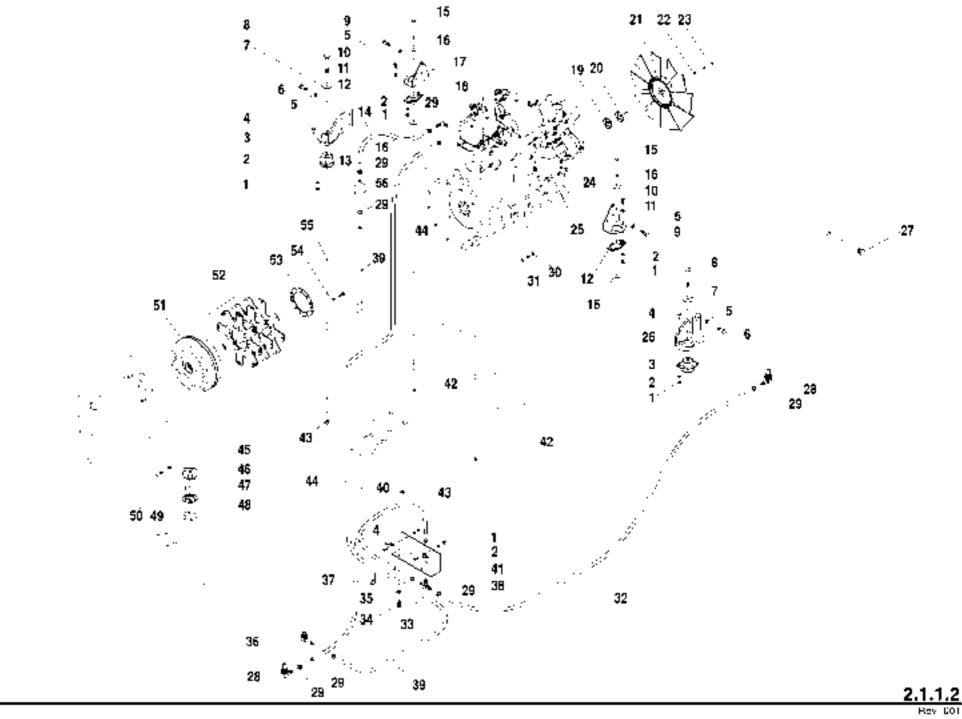


<u>rem</u>	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	P17802	2	Adapter 90	38	67130A-98	1	Hose, Fuel 3/8" × 98"	_ ⁴ 6• 00
2	67707B	1	Mount, Oil Filter	39	37652X	1	Tee, Union Hose	
3	P01308	2	Lockwasher, 1/4*	40	P00400	1	Capscrew, Hx., 1/2'-13 × 3/4"	
4	P00005	2	Capscrew, Hx. 1/4"-20 × 1"	41	P01312	1	Lookwasher 1/21	
5	P04103	2	Capscrew, Hx M8-1 25 × 20mm CI 8 8	42	67534X	1	Adapter, Boilbed	
ô -	P04607	2	Lockwasher, M8	43	67720A	1	Bracket Fuel Line	
7	P01508	ų	Nut, Hx . 3/8"-16	44	67130A-52	1	Hose, Fuel 3/8" × 62"	
8	P01310	8	Lockwasher, 3/8"	45	67130A-23	1	Hase, Fuel 3/8" x 23"	
9	67192X	2	Engine Mount, Rubber, Rear	46	37368X	2	Clamp	
10	P00204	4	Capscrew, Hx., 3/8"-16 × 1"	47	P01659	2	Look Nut, Hx,, 7/16"-14 (Nylon Inserf)	
11	P04609	14	Lockwasher, M12	48	PC1662	2	Lock Nut, Hx, 5/81-11 (Nylon Insert)	
12	P04203	G	Capscrew, Hx., M12-1.75 x 30mm	49	67129A-83	1	Hose, Fuel Return 5/16" x 83"	
13	P00641	2	Capscrew, Hx. 5/8"-11 x 4" GR 8	50	67714A	1	Cap, Fuel Tank	
14	67514X	2	Washer, Rebound 5/8*	51	P04608	11	Lockwasher, M10	
15	P04205	Ĥ	Capscrew, Hx. M12-1.75 x 40mm	52	P04154	11	Capscrew, Hx , M10-1.5 x 30mm	
16	P00205	4	Capscrew, Hx., 3/8"-16 × 1 1/4"	53	68233X	1	Torque Converter	
17	67193X	2	Engine Mount, Rubber, Front	54	37075X	1	Kit. Drive Plate	
18	67188X	1	Engine Mount, Commons, Left Rear	55	68092X	1	Drive Plate Backing Ring	
19	67130A-3	1	Hose, Fuel 3/8" × 3"	56	P20538	6	Lookwasher	
20	P00342	2	Capscrew, Hx., 7/16'+14 × 4 1/2" GH 8	57	68091 X	6	Capscrew	
21	67513X	2	Washer, Rebound 7/16*	58	P31295	1	Filter, O(I	
22	67190X	1	Engine Mount, Commons, Left Front	59	67510X	1	Head, Lube Oil Filter	
23	P28874	1	Adapter, 901 3/81 Barb	60	66109X	1	Filter Fuel	
24	68094X	1	Spacer, Fan 1/4"					
25	68093X	1	Spacer, Fan 1 1/2"					
26	66113X	1	Fan, 18" Suction					
27	P04630	4	Flatwasher, M8					
28	P04113	4	Capscrew, Hx M8-1 25 × 70mm CL 8 8					
29	67191X	1	Engine Mount, Cummins, Right Front					
30	67189X	1	Engine Mount, Cummins, Right Rear					
31	10715446	1	Plug. Adapter, SAE 1					
32	67718A	2	Adapter, 90"					
33	P14047	B	Clamp, Hose, 3/8"					→
34	P00264	Ð	Capscrew, Hx = 3/8"-24 × 1 3/4" GR 8					
35	P01252	θ	Flatwasher, 3/81					
36	66748X	1	Hose Hyd, 3/4" × 31*					
37	66749X	1	Hose Hyd, 3/4' × 38"					
			ENGINE MOUNTIN		4 S/N 108-263			6440



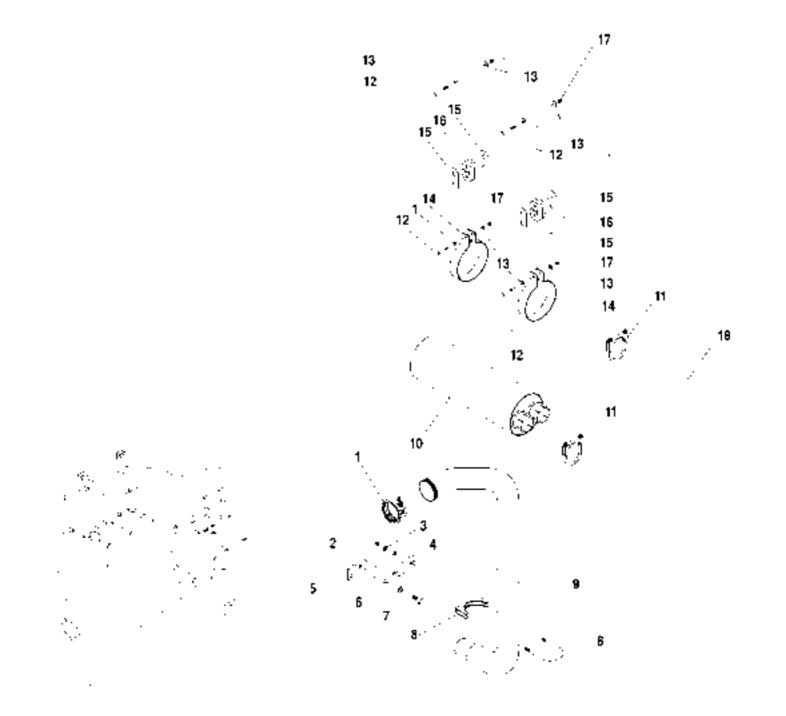
ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	P19147	1	Adapter 45	38	68118X	1	Hose Hyd. 3/4" × 41"	De• 00
2	67707B	1	Mount, Oil Filter	39	67130A-99	1	Hose, Fuel 3/8" × 99'	
3	P01308	2	Lockwasher, 1/4*	40	37652X	1	Tee, Union Hese	
4	P00005	2	Capscrew, Hx. 1/4"-20 × 1"	41	P00400	1	Capsorew, Hx., 1/2'-13 x 3/4"	
5	P17802	1	Adapter 90	42	P01312	1	Lockwasher, 1/21	
6	P04103	2	Capscrew, Hx., M8-1.25 × 20mm Cl 8.8	43	67534X	1	Adapter, Barbed	
7	P04607	2	Lockwasher, M8	44	P17989	A/R	Cable Tie	
8	P01508	8	Nut, Hx., 3/8"-16	45	67720A	1	Bracket Fuel Line	
9	P01310	Ĥ	Lockwasher, 3/8*	46	67130A-76	1	Hose, Fuel 3/8" × 76"	
10	68968B	2	Engine Mount, Rubber, Rear	47	67130A-27	1	Hose, Fuel 3/8" × 27"	
11	P00204	4	Capscrew, Hx. 3/8"-16 x 1"	48	37368X	2	Clamp	
12	P04609	14	Lockwasher, M12	49	P01659	2	Look Nut, Hx,: 7/16"-14 (Nylon Insert)	
13	P04203	6	Capscrew, Hx. M12-1.75 x 30mm	50	PC1662	2	Look Nut, Hx, 5/8*-11 (Nylon Insert)	
14	P00641	2	Capscrew, Hx., 5/8"-11 x 4" GR 8	51	67129A-112	1	Hose, Fuel Return 5/16" × 112"	
15	67514A	2	Washer, Rebound 5/8'	52	67714A	1	Cap, Fuel Tank	
16	P04205	8	Capscrew, Hx., M12-1.75 × 40mm	53	P02077	6	Screw,, #10-32 × 3/8"	
17	P00205	4	Capscrew, Hx. 3/8*-16 × 1 1/4*	54	68970B	I.	Neck, Fill	
18	P01277	4	Flatwasher, 3/81	55	68971A	1	Gasket	
19	68969 B	2	Engine Mount, Rubber, Front	56	P04608	11	Lockwasher M10	
20	67189B	1	Engine Mount, Commins, Leff Hear	57	PC4154	11	Capscrew, Hx., M10-1.5 × 30mm	
21	67130A-3	1	Hose, Fuel 3/8" × 3"	58	68233X	1	Torque Converter	
22	P00342	2	Capscrew, Hx., 7/161-14 × 4 1/2" GR 8	59	37075X	1	Kit. Drive Plate	
23	67513A	2	Washer, Rebound 7/16"	60	68092X	1	Drive Plate Backing Ring	
24	67193 B	1	Engine Mount, Cummins, Left Front	61	P20538	6	Lockwasher	
25	P28874	1	Adapter, 90° 3/8° Barb	62	68091 X	6	Capsorew	
26	68094X	1	Spacer, Fan 1/4"	63	P31295	1	Filter, Oil	
27	68093X	1	Spacer, Fan 1 1/2"	64	67510X	1	Head, Lube Oil Filler	
28	66113X	1	Fan 18* Suction	65	66109X	1	Filter Fuel	
29	P04630	4	Flatwasher, M8					
30	P04113	4	Capscrew, Hx M8-1 25 × 70mm CL 8 8					
31	67191B	1	Engine Mount, Cummins, Right Front					
32	67189B	1	Engine Mount, Cummins, Right Rear					
33	10715446	1	Plug, Adapter, SAE 1					
34	67718A	2	Adapter, 90"					
35	P14047	8	Clamp, Hose, 3/8*					
36	P00284	Ĥ	Capscrew, Hx. 3/8"-24 × 1 3/4" GB 8					
37	P01252	B	Flatwasher, 3/81	644D-3	14 S/N 263-779)		

ENGINE MOUNTING & FUEL LINES (Cummins 4BT3.9) 2.1.1.1

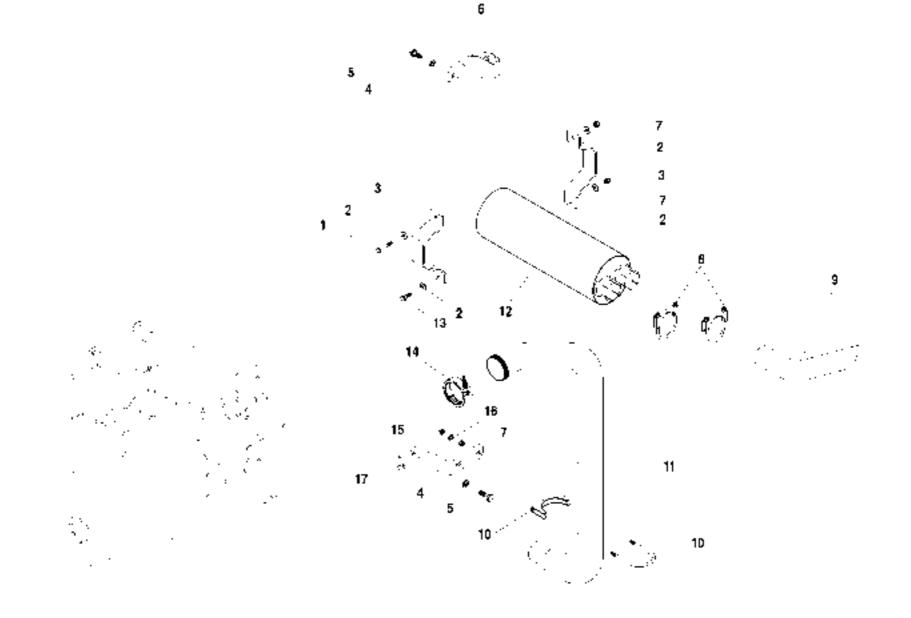


ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	P01508	8	Nul, Hx 3/8"-15	38	67720A	1	Bracket Fuel Line	74. OD
2	P01310	8	Lockwasher, 3/8"	39	67130A-76	1	Hose, Fuel 3/8" × 76"	
3	68968 B	2	Engine Mount, Rubber, Rear	40	67130A-27	1	Hose, Fuel 3/8" × 27"	
4	P00204	4	Capscrew, Hx. 3/8"-16 × 1"	41	37368X	2	Clamp	
5	P04609	14	Lockwasher, M12	42	P01659	2	Lock Nut, Hx. 7/16"-14 (Nylon Insert)	
6	P04203	6	Capscrew, Hx., M12-1.75 x 30mm	43	P01662	2	Lock Nut, Hx,, 5/8'-11 (Nylon Insert)	
7	P00641	2	Capscrew, Hx 5/8"-11 × 4" GR 8	44	67129A-112	1	Hose, Fuel Return 5/161 × 1121	
8	67514A	2	Wesher, Rebound 5/8'	45	67714A	1	Cap, Fuel Tank	
9	P04205	Ĥ	Capscrew, Hx. M12-1.75 x 40mm	46	P02077	6	Screw, #10-32 × 3/8*	
10	P00205	4	Capscrew, Hx., 3/8"-16 × 1 1/4"	47	68970B	1	Neck, Fill	
11	P01277	4	Flatwasher 3/81	48	68971A	1	Gaskel	
12	68969B	2	Engine Mount, Rubber, Front	49	P04608	11	Lockwasher, M10	
13	67188 B	1	Engine Mount, Cummins, Left Rear	50	PC4154	11	Capscrew, Hx , M10-1.5 × 30mm	
14	67130A-3	1	Hose, Fuel 3/8" × 3"	51	68233X	1	Torque Converter	
15	P00342	2	Capscrew, Hx. 7/16'-14 x 4 1/2" GR 8	52	37075X	1	Krt. Drive Plate	
16	67513A	2	Washer, Rebound 7/16"	53	68092X	1	Drive Plate Backing Ring	
17	67193 B	1	Engine Mount, Cummins, Left Front	54	P20538	6	Lockwasher	
18	P28874	1	Adapter, 90° 3/8° Barb	55	68091 X	6	Capsorew	
19	68094X	1	Spacer, Fan 1/4"	56	66109X	1	Filter Fuel	
20	66093X	1	Spacer, Fan 1 1/2*					
21	66113X	٦	Fan. 18 ⁴ Suction					
22	P04630	4	Flatwasher, MB					
23	P04113	4	Capscrew, Hx. M8-1.25 × 70mm CL 8.8					
24	67191 B	1	Engine Mount, Cummins, Right Front					
25	P31295	REF	Oil Filter					
26	67189B	1	Engine Mount, Cummins, Right Rear					
27	10715446	1	Plug, Adapter, SAE 11					
28	67718A	2	Adapter, 90"					
29	P14047	8	Clamp, Hose, 3/8"					
30	P00284	8	Copscrew, Hx 3/8"-24 x 1 3/4" GR 8					
31	P01252	8	Flatwasher, 3/81					
32	67130A-99	1	Hose, Fuel 3/8" × 99"					
33	37052X	1	Tee, Union Hose					
34	P00400	1	Capscrew, Hx = 1/2"-13 × 3/41					
35	P01312	1	Lockwasher, 1/2*					
36	67534X	1	Adapter, Barbed					
37	P17989	A/R	Cable Tie					
				644D-3	34 S/N 780-			

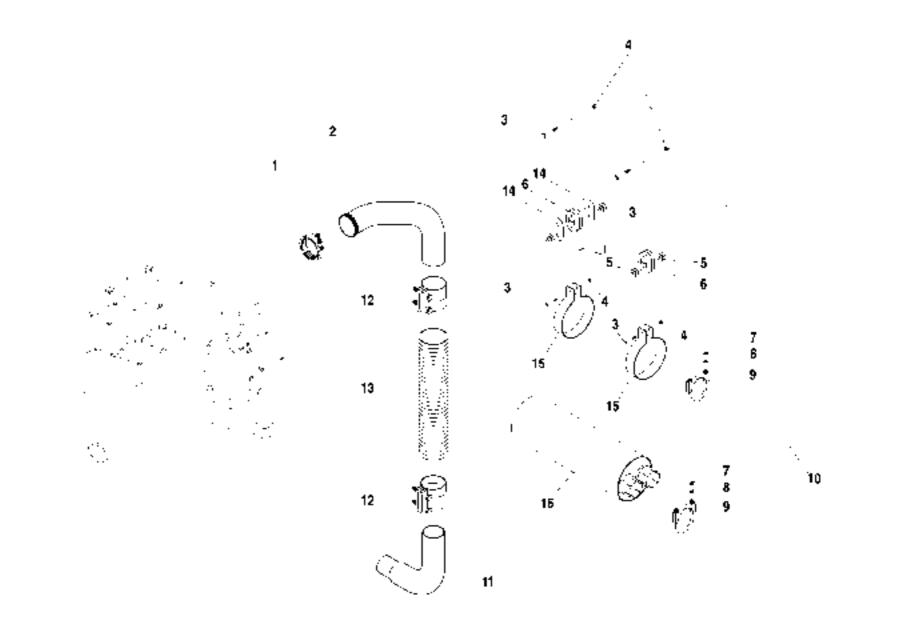
ENGINE MOUNTING & FUEL LINES (Cummins 4BT3.9) 2.1.1.2



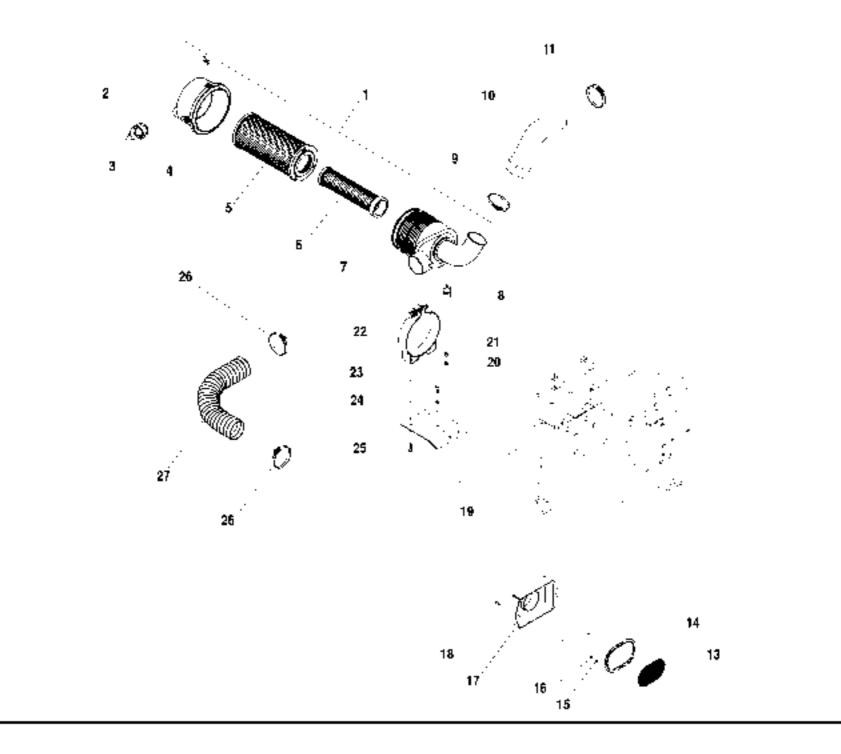
ITEM	PART NO.	QTY.	DESCRIPTION		_
1	P32986	1	Clamp, Exhaust, Turbo		Hev 601
2	P01359	2	Starwasher, External, 3/8"		
3	P01558	2	Nul, Jam 3/8"-15		
4	P01508	2	Nut, Hx., 3/8"-16		
5	67420B	1	Support, Exhaust Pipe		
6	P04609	2	Lockwasher, M12		
7	P04205	2	Capscrew, Hx M12-1-75 x 40mm		
8	P17169	1	Clamp, Exhaust 3' ID		
9	67279 B	1	Pipe, Exhaust, Engine to Muffler		
10	37799X	1	Mufiler		
11	P12169	2	Clamp, Exhaust ≥ 1/2º ID		
12	P00158	4	Capscrew, Hx., 5/16'-24 × 2.0 Gr 5		
13	P01434	Ĥ	Flatwasher 5/16"		
14	65486B	2	Hanger, Mulller, 6.63" Dia		
15	39922A	4	Link, Exhaust Hanger		
16	P32982	2	Hanger, Rubber Exhaust		
17	P01680	4	Lock nut, 5/16'-24		
18	67795A	1	Tadpipe, 2 1/2"		
				844D-34 S/N 108 203	
			EXHA	UST ASSEMBLY (Cummins 4BT3.9) 2.2.1	644D



ITEM	PART NO.	QTY.	DESCRIPTION		
1	P00209	1	Copscrew, Hx 3/8"-16x 2 1/4"		Pav COI
2	P01404	4	Flatwasher, 3/81		
3	1100010	2	Hanger, Muther		
4	P04609	2	Lockwasher, M12		
5	P04207	2	Capscrew, Hx M12-1-75 x 50mm 8-8		
6	68749B	1	Bracket, Muffler Hanger		
7	P01508	4	Nut. Hx , 3/8"-16		
8	P12169	2	Clamp, Exhaust 2 1/2" ID		
9	67795A	1	Tadpipe, 2 1/2"		
10	P17169	1	Clamp, Exhaust 3" ID		
11	67279 B	1	Pipe, Exhaust, Engine to Muffler		
12	37799X	1	Mufiler		
13	P00205	1	Capscrew, Hx. 3/8'-16x 1 1/4'		
14	P32986	1	Clamp, Exhaust, Turbo		
15	P01558	2	Nut, Jam 3/81-16		
16	P01359	2	Slarwasher, External, 3/8"		
17	67420B	1	Support, Exhaust Pipe		
				844D-34 S/N 204 680	
			ЕХНАЦ	ST ASSEMBLY (Cummins 4BT3.9) 2.2.1.1	644D

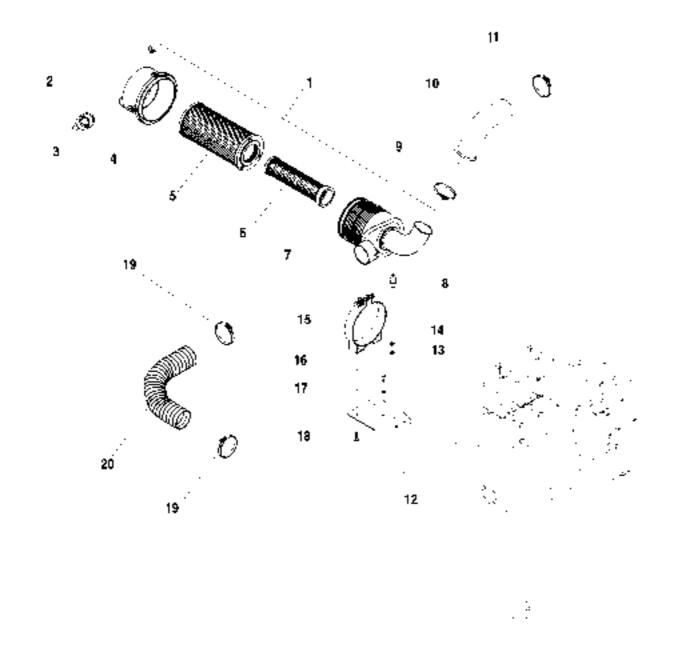


ITEM	PART NO.	QTY.	DESCRIPTION		
1	10732986	1	Clamp, Exhaust, Turbo		Pav COI
2	1100196	1	Pipe, Exhaust, Upper		
3	10700158	4	Capscrew, Hx 5/16'-24× 2"		
4	10701680	4	Locknut, Hx., 5/16"-24		
5	10701434	8	Flatwasher 5/16"		
6	10732982	2	Hanger. Rubber Exhaust		
7	10701558	2	Nut, Jam 3/8"-16		
8	10701359	2	Starwasher, External, 3/8"		
9	1100119	2	Clamp, Exhaust		
10	10167795	1	Tailpipe, 2 1/2"		
11	1100197	1	Pipe, Exhaust, Lower		
12	10733144	2	Clamp, Seal		
13	1100124	1	Exhaust Pipe, Flexibile		
14	10139922	2	Link, Exhaust Hanger		
15	10265486	2	Hanger. Mutfler		
16	10837799	1	Muttler		
				844D-34 S/N 681	
			EYUAU	ST ASSEMBLY (Cummins 4BT3.9) 2.2.1.2	6 44D

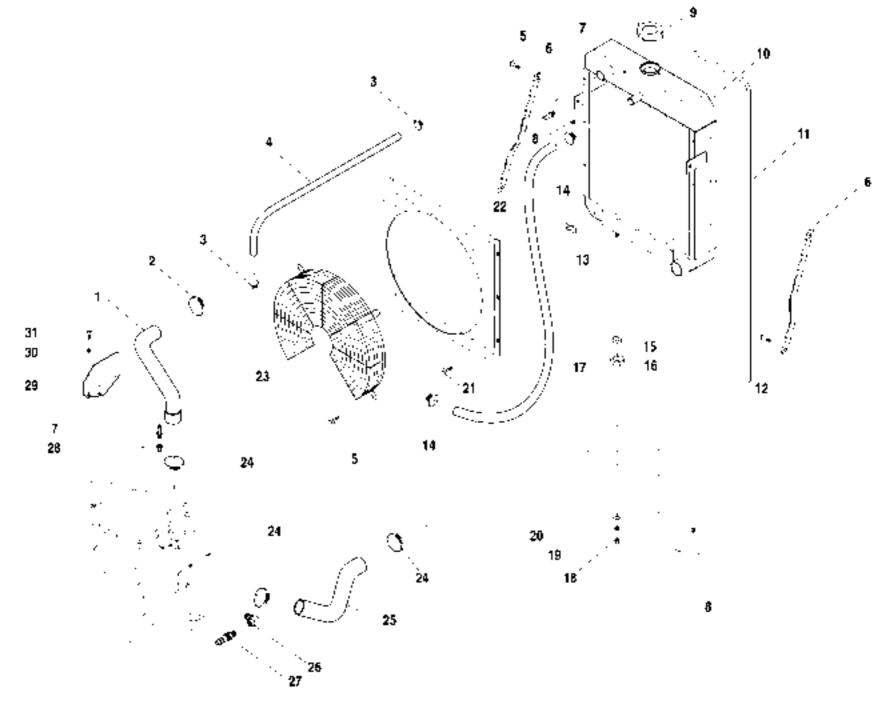


ITEM	PART NO.	QTY.	DESCRIPTION		
1	675030	1	Air Cleaner (Includes Items 2-7)		1967 030
2	P33184	з	Latch		
3	P33183	1	Vacuator Valve		
4	P33182	1	Cover (Includes Item 2)		
5	P33180	1	Filter Element, Primary		
6	P33181	1	Filter Element, Secondary		
7	N.S.S	-	Body		
8	67537X	1	Switch, Vacuum		
9	67198X	1	Clamp, T-Bolt		
10	67186B	1	Tube. Air Intake		
11	67197X	1	Clamp, T-Bolt		
12	67186X	1	Elbow, Rubber		
13	67511X	1	Seal		
14	67470A	1	Guard Air Intake		
15	P01506	2	Nut, Hx . 1/4"-20		
16	P01308	2	Lockwasher, 1/4"		
17	67444 B	۱	Duct, Air Intake		
18	P00003	2	Capscrew, Hx., 1/4"-20 × 3/4"		
19	67185 B	1	Bracket, Air Cleaner Mounting		
20	P01309	2	Lockwasher, 5/16*		
21	P01507	2	Nut, Hx. 5/16'-18		
22	P33142	1	Band, Mounling		
23	P00204	з	Capscrew, Hx. 3/8'-16 × 1'		
24	P01310	3	Lockwasher, 3/8"		
25	P00104	2	Capscrew, Hx., 5/16'-18 × 1"		
26	P11124	2	Hose Clamp		
27	10167195	1	Hose, Air Cleaner		
				844D-34 S/N 108 276	1

AIR CLEANER ASSEMBLY (Cummins 4BT3.9) 2.3.1

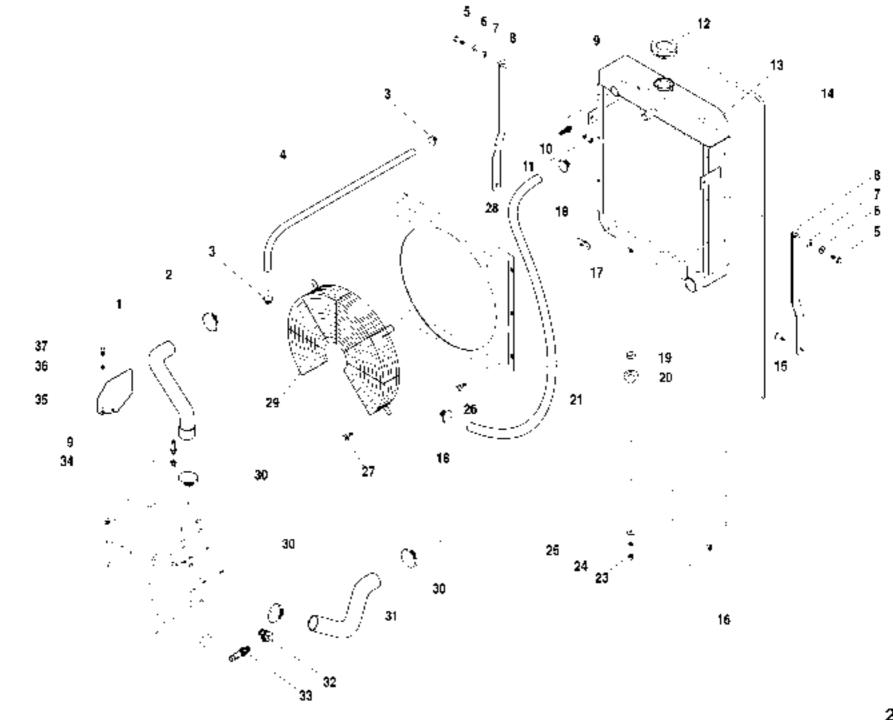


ITEM	PART NO.	QTY.	DESCRIPTION		
1	67503D	1	Air Cleaner (Includes Items 2-7)		Rev 030
2	P33184	з	Latch		
3	P33183	1	Vacuator Valve		
4	P33182	1	Cover (Includes Item 2)		
5	P33180	1	Fliter Element, Primary		
6	P33181	1	Filter Element, Secondary		
7	N.S.S	-	Body		
8	67537X	1	Switch, Vacuum		
9	67198X	1	Clamp, T-Bolt		
10	67186B	1	Tube. Air Intake		
11	67197X	1	Clamp, T-Bolt		
12	67185B	1	Bracket, Air Cleaner Mounting		
13	P01309	2	Lockwasher, 5/16*		
14	P01507	2	Nul, Hx. 5/16"-18		
15	P33142	1	Band, Mounting		
16	P00204	3	Capscrew, Hx., 3/8"•16 × 1"		
17	P01310	з	Lockwasher, 3/8'		
18	P00104	2	Capscrew, Hx., 5/16'-18 × 1"		
19	P11124	2	Hose Clamp		
20	10167195	1	Hose, Air Cleaner		
				844D-34 S/N 277	
					644D
			AIR CLEANE	ER ASSEMBLY (Cummins 4BT3.9) 2.3.1.1	



ITEM	PART NO.	QTY.	DESCRIPTION		
1	67488 6	1	Hose, Radiator - Upper		Rev (004
2	P14043	1	Hose Clamp, 1' × 2'		
3	P14047	2	Hose Clamp, 3/8"		
4	67127A-12	1	Hose, 3/16 x 12"		
5	P05322	б	Capscrew, Fig Hd., 3/8*-16 × 3/4*		
6	67419A	2	Support, Upper Radiator		
7	67530X	2	Adapter, 1/8MP-3/8* Barb		
8	P01658	4	Locknut, Hx, 3/8'-16		
9	68090X	1	Cap, Radiator 10 P.S.I.		
10	67233C	1	Radiator		
11	36504 X	1	Hose, Over Flow 5/16" × 44"		
12	P05343	2	Capscrew, Fig Hd., 3/8"-16 × 7/8"		
13	P16675	1	Petcock, Drain		
14	P10178	2	Clamp, Hose, 1		
15	P24305	2	Bushing		
16	P24306	2	Grommel, Rubber 3/8" ID		
17	67672A	1	Hose, 1" I.D. x 30"		
18	P01510	2	Nul, Hx. 1/21-13		
19	P01312	2	Lockwasher, 1/2*		
20	P01406	2	Flatwasher 1/21		
21	P05320	6	Capscrew, Fig Hd., 5/16"-18 × 1/2"		
22	67297 B	1	Shroud, Fan		
23	10238470	1	Guard,Fan		
24	P10601	3	Hose Clamp, 1 3/4" × 2 3/4"		
25	67489B	1	Hose, Rediator - Lower		
26	67515X	1	Adopter, 6MP-12FP90		
27	67517X	1	Adapter, 12MP-16 Hose		
28	67529X	1	Bushing, Reducer, 1/2MP-1/8MP		
29	67421A	1	Heat Shield		
30	P04608	2	Lackwsaher, M10		
31	P04152	2	Capscrew, Hx., M10-1.5 × 20mm		
				844D-34 S/N 108 356	

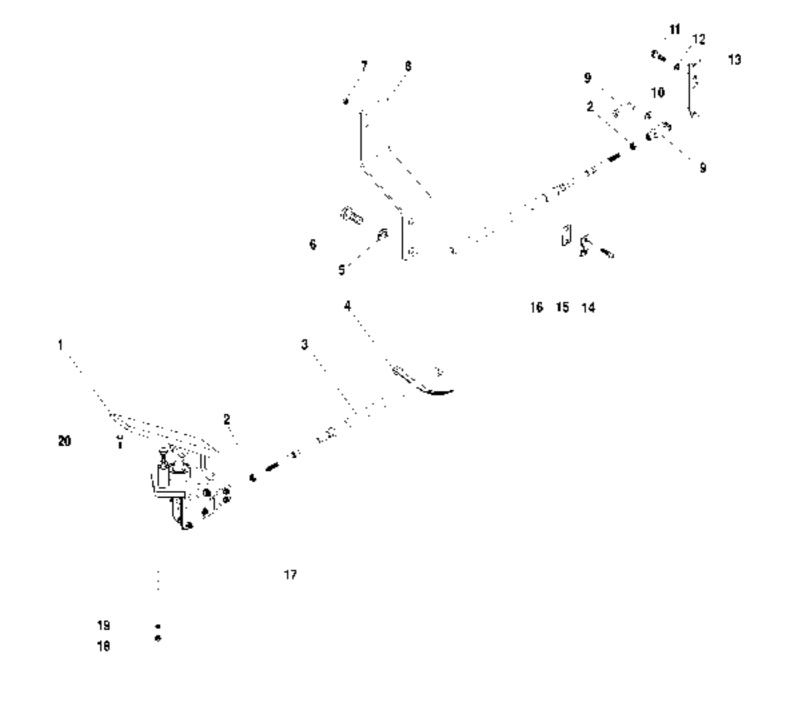
RADIATOR GROUP ASSEMBLY (Cummins 4BT3.9) 2.4.1



2.4.1.1 Rev 604

ITEM	PART NO.	QTY.	DESCRIPTION		-
1	67488B	1	Hose, Radiator - Upper		Bev 004
2	P14043	1	Hose Clamp, 1' × 2'		
3	P14047	2	Hose Clamp, 3/8"		
4	67127A-12	1	Hose, 3/16 x 12"		
5	10700205	2	Capscrew 3/8*-16 × 1 1/4*		
6	10701404	2	Wesher, Flat 3/8"		
7	10718723	2	Grommet, Aubber		
8	1100653	2	Support, Upper Radiator		
9	67530X	2	Adapter, 1/8MP-3/8' Barb		
10	10701312	2	Washer, Lock, 3/8"		
11	P01506	2	Nut, Hx, 3/81-16		
12	68090X	1	Cap. Radiator 10 P.S.I.		
13	67233C	1	Badiator		
14	36504X	1	Hose, Over Flow 5/16" × 44'		
15	10705342	2	Capscrew, Fig Hd., 3/8*-16 x 7/8*		
16	10701658	2	Locknut, 3/8° 16		
17	P16675	1	Petcock, Drain		
18	P10178	2	Clamp, Hose, 1*		
19	P24305	2	Bushing		
20	P24306	2	Grommet, Rubber 3/8" ID		
21	67672A	1	Hose, 1" I.D. x 30"		
22	10701406	2	Washer, Flat, 3/8"		
23	P01510	2	Nut, Hx. 1/21-13		
24	P01312	2	Lockwasher, 1/2*		
25	P01406	2	Flatwasher, 1/21		
26	P05320	8	Capscrew, Fig Hd., 5/16"-18 × 1/2"		
27	10705322	4	Capscrew, Fig Hd., 5/16"-18 × 3/4"		
28	67297 6	1	Shraud Fan		
29	10238470	1	Guard,Fan		
30	P10601	3	Hose Clamp, 1/3/41 × 2/3/4"		
31	67489B	1	Hose, Radiator - Lower		
32	67515X	1	Adapter, BMP-12EP90		
33	67517X	1	Adapter, 12MP-16 Hose	RAAD RA ÛNI OST	4
34	67529X	1	Bushing, Reducer, 1/2MP-1/8MP	844D-34 S/N 857	
35	67421A	1	Heat Shield		
36	P04606	2	Lockwsaher, MID		
37	P04152	2	Capscrew, Hx., M10-1.5 × 20mm		
1					1

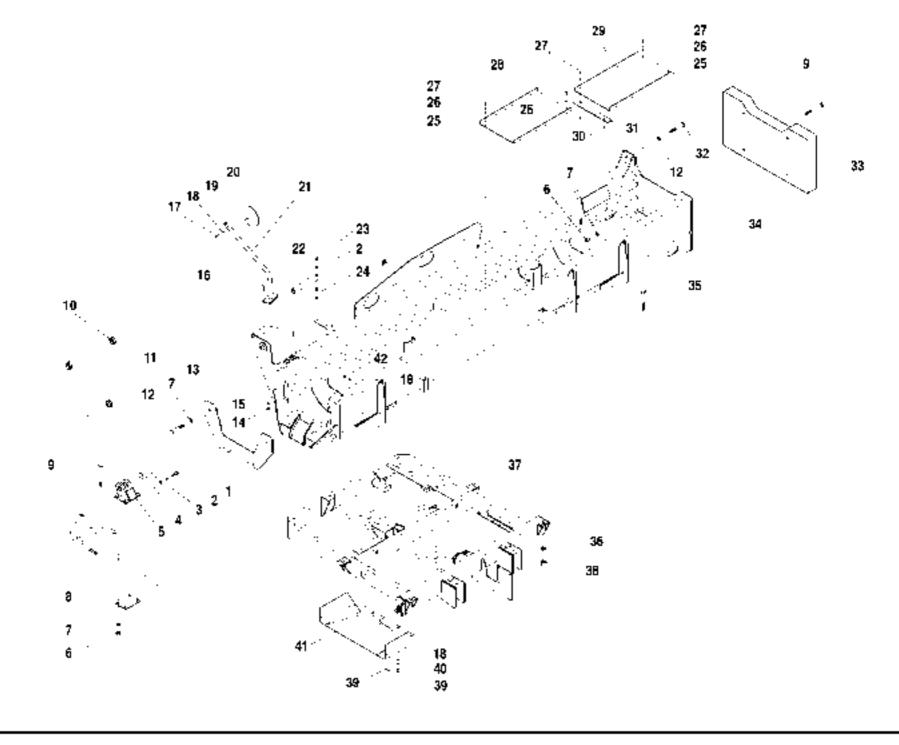
RADIATOR GROUP ASSEMBLY (Cummins 4BT3.9) 2.4.1.1



ITEM	PART NO.	QTY.	DESCRIPTION		20. 070
1	37378X	1	Accelerator Pedal (Includes Item 21)		Ray 030
2	P01529	2	Nut, Hx., 1/4"-28		
3	37763X	1	Cable, Thrattle - 120" Long		
4	P20496	4	Cable Tie		
5	P04203	2	Capscrew, Hx - M12-1-75 x 30mm 8-8		
6	P04609	2	Lockwasher, M12		
7	P01654	2	Nut, Nylock #10-24		
8	67187B	1	Bracket, Throtile Cable		
9	38818A	1	Yoke end w/ Spring Pin		
10	65906A	1	Spacer		
11	P04053	2	Capscrew, Hx. M6-1 x 16mm		
12	P04606	2	Lockwasher, MG		
13	65925A	1	Extension Throttle Lever		
14	P01733	2	Capscrew, Hx., #10-24 x 3/4"		
15	14383A	1	Clamp, Cable		
16	16401A	1	Shim, Cable Clamp		
17	P20069	1	Bellows		
18	P01508	Э	Nul, Hx , 1/4"-20		
19	P01308	з	Lockwasher, 1/4*		
20	P00008	Э	Capscrow, Hx., 1/4"-20 × 1 1/4"		
				844D-34 S/N 108	•
					644D
			THROTTLE GROU	JP ASSEMBLY (Cummins 4BT3.9) 2.5.1	

Section 3 — Frame and Operator's Compartment

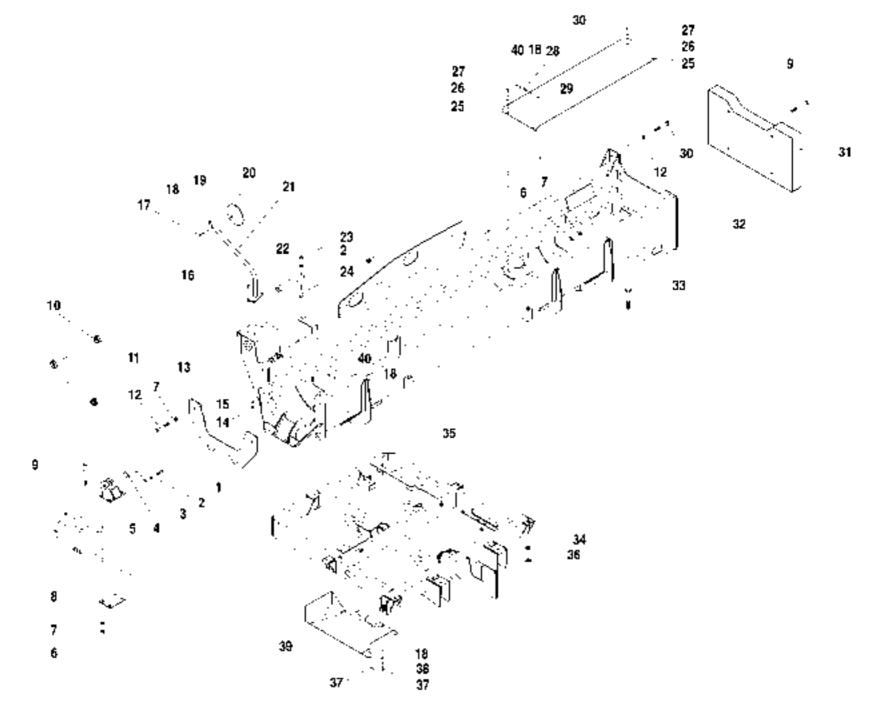
Main Frame Assembly	•			•	•			•	•	•	311
Engine Cowel Assembly											3.2.1
Operator's Compartment Assembl	y		 								3.3.1
Instrument Panel Assembly											3 4.1
Steer Column Assembly			 								3.5.1
Fender Assembly			 								3.6.1



3.1.1 Rev 601

TEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	P00403	1	Copscrew, Hx = 1/2"-13 x 1 1/4"	38	P01209	4	Nut. Hx 11-8 GRD 8	B4• 03
2	P01312	2	Lockwasher, 1/2'	39	P00104	4	Capsorew, Hx., 5/16*-18 × 1"	
3	34178A	1	Lack Pin	40	P01403	2	Flatwasher, 5/161	
4	65601A	1	Pin, Frame Tilt Cylinder - Lower	41	67694C	1	Guard, Filter	
5	65558B	1	Mount, Frame Tilt Cylinder	42	P01507	2	Nut Hx ; 5/16*-18	
ô.	P01315	14	Nut, Hx., 3/4"-10 GR C					
7	P01315	12	Lockwasher, 3/4*					
8	65561A	1	Plate, Frame Tilt Support Ear Hose Guard, Cab					
9	P00742	Ĥ	Capscrew, Hx. 3/4"-10 x 7 1/2" GB 8					
10	1622BA	2	Bushing, Cylinder					
11	21665A	1	Bushing, Cylinder					
12	P00706	4	Capscrew, Hx., 3/4"-10 × 3"					
13	65462 B	1	Plate, Front, Upper Frame Assembly					
14	P01508	4	Nul, Hx., 3/8"-16					
15	P01310	4	Lockwasher, 3/8*					
16	P00205	4	Capscrew, Hx., 3/8"•16 × 1 /14"					
17	P00107	٦	Capscrew, Hx. 5/16'-16 x 1 3/4"					
18	P01309	4	Lockwasher, 5/16*					
19	69129X	1	Plug, End Cap					
20	P32579	1	Mirror, Convex					
21	67705B	٦	Brøcket, Mirror					
22	24732A	1	Pin, Frame Till Cylinder - Upper					
23	P01510	1	Nut, Hx., 1/2"-13					
24	P00414	1	Capscrew, Hx . 1/2"-13 x 4"					
25	P01402	8	Flatwasher, 1/41					
26	P01308	8	Lockwasher, 1/4"					
27	P03196	8	Capscrew, Button Hd. Socket, 1/4*-20 x 3/4*					
28	65570A	1	Hose Tray, Front					
29	65800A	1	Hose Tray, Rear					
30	P01505	4	Nul. Hx., 1/4"-20					
31	65801A	1	Mount, Hose Tray					
32	P0/1753	У.	Capscrew, Hx 3/4"-16 x 2 1/2"					
33	67703B	1	Counterweight	┣──				
34	654220	1	Frame, Upper	844D-3	14 S/N 108 57	7		
35	P00941	4	Capscrew, Hx., 1"-8 × 7"	1				
36	P01259	4	Flatwasher 1" SAE					
37	66478D	1	Frame, Lower	1				

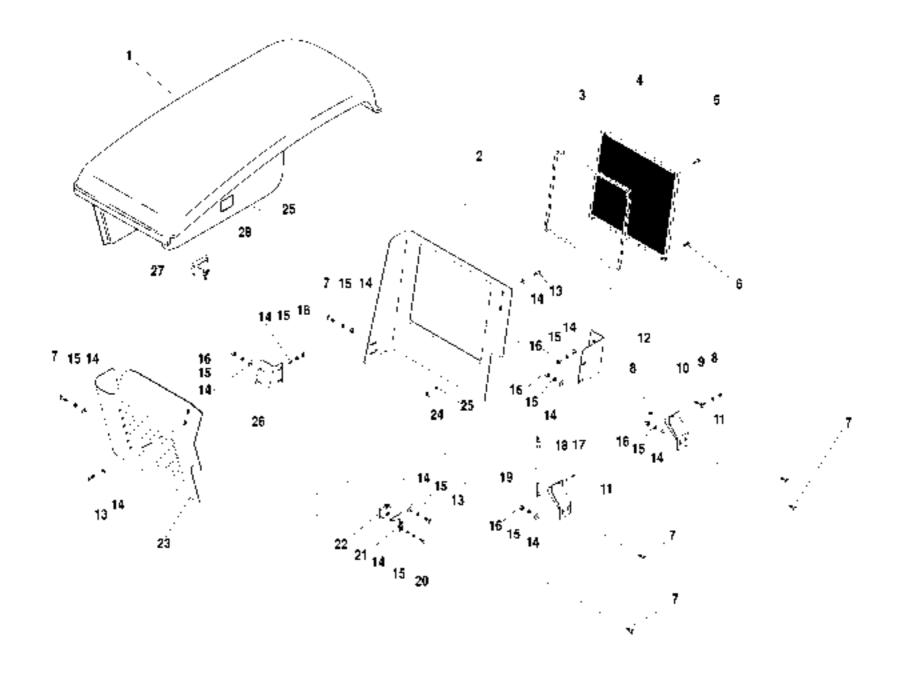
MAIN FRAME ASSEMBLY 3.1.1



3.1.1.1 Rev GOG

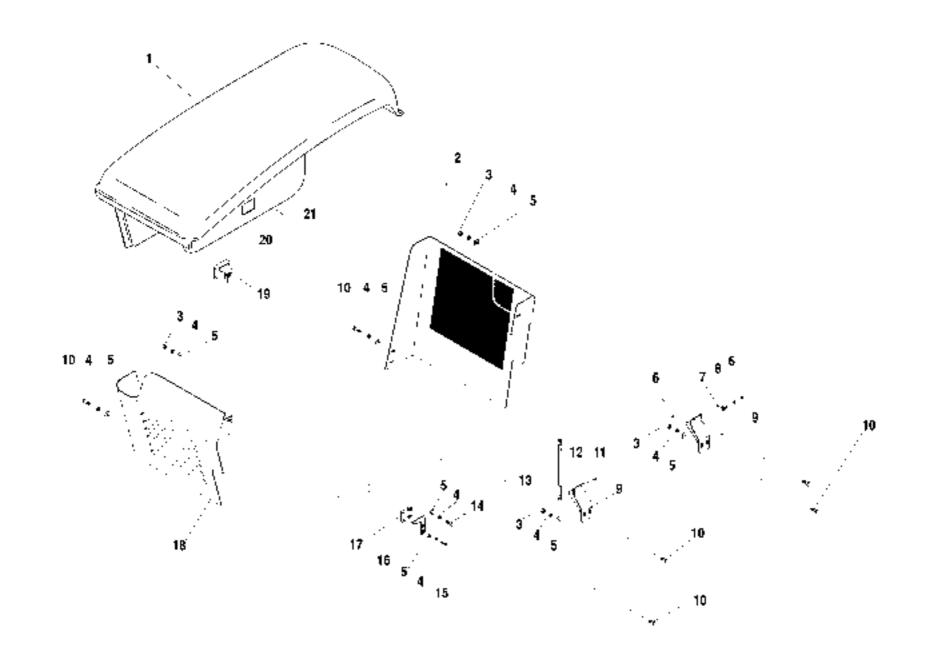
ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	P00403	1	Copscrew, Hx = 1/2"-13 x 1 1/4"	38	P01403	2	Flatwasher, 5/161	Hay 0:
2	P01312	2	Lockwasher, 1/2'	39	67694C	1	Guard, Filler	
3	34178A	1	Lock Pin	40	P01507	2	Nut Hx ; 5/16*-18	
4	65601A	1	Pin, Frame Tilt Cylinder - Lower					
5	655586	1	Mount, Frame Tilt Cylinder					
6	P01315	14	Nut, Hx., 3/4"-10 GR C					
7	P01315	12	Lockwasher, 3/4*					
8	65561A	1	Plate, Frame Tilt Support Ear Hose Guard, Cab					
9	P00742	Ĥ	Capscrew, Hx. 3/4"-10 x 7 1/2" GB 8					
10	1622BA	2	Bushing, Cylinder					
11	21665A	1	Bushing, Cylinder					
12	P00706	4	Capscrew, Hx., 3/4"-10 × 3"					
13	65462 B	1	Plate, Front, Upper Frame Assembly					
14	P01508	4	Nul, Hx., 3/8"-16					
15	P01310	4	Lockwasher, 3/8*					
16	P00205	4	Capscrew, Hx., 3/8"•16 × 1 /14"					
17	P00107	1	Capscrew, Hx. 5/16'-18 x 1 3/4"					
18	P01309	4	Lockwasher, 5/16					
19	69129X	1	Plug, End Cap					
20	P32579	1	Mirror, Convex					
21	67705 B	٦	Bracket, Mirror					
22	24732A	1	Pin, Frame Till Cylinder - Upper					
23	P01510	1	Nut, Hx., 1/2"-13					
24	P00414	1	Capscrew, Hx . 1/2"-13 x 4"					
25	P01402	4	Flatwasher, 1/41					
26	P01308	4	Lockwasher, 1/4"					
27	P03196	4	Capscrew, Button Hd. Socket, 1/4'-20 x 3/4"					
28	37368X	1	Hose Clamp, Double					
29	P27829	1	MS. Truss Hd., Phillips, 5/16"×3/4"					
30	P00753	2	Copscrew, Hx 3/4"-16 x 2 1/2"					
31	67703B	1	Counterweight					
32	65422D	1	Frame, Upper					
33	P00941	4	Capscrew, Hx., 1"-8 x 7"	—				
34	P01259	4	Flatwasher 1" SAE	844D-3	14 S/N 578			
35	66479D	1	Frame, Lower	1				
36	P01209	4	Nut, Hx 11-8 GRD 8	1				
37	P00104	4	Capscrew, Hx., 5/16'-18 × 1"	1				

MAIN FRAME ASSEMBLY 3.1.1.1

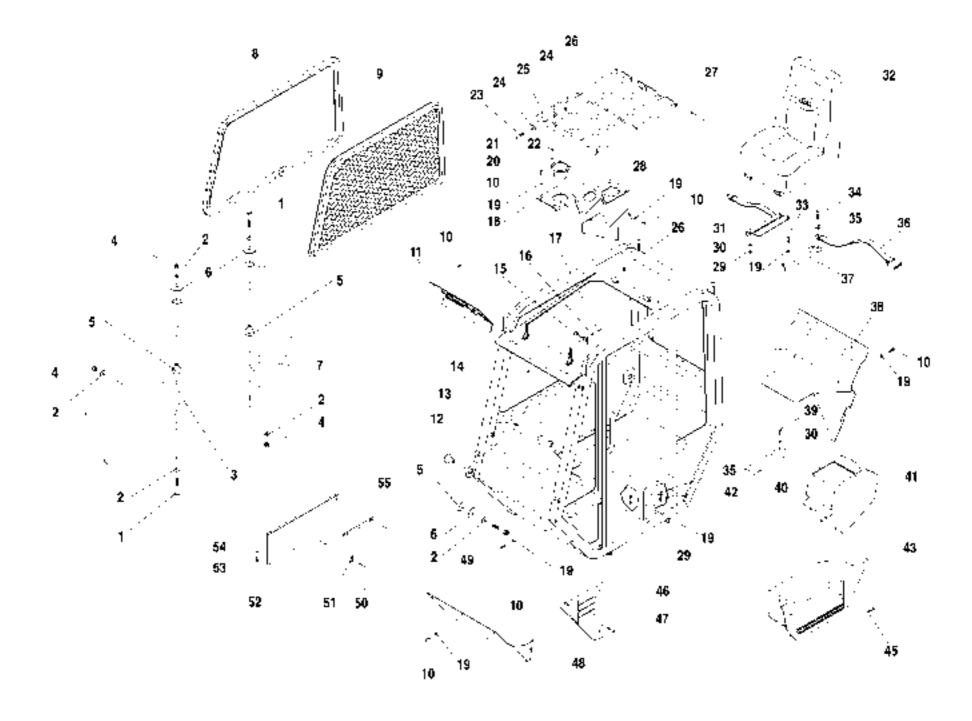


ITEM	PART NO.	QTY.	DESCRIPTION	
1	671 4 40	1	Hood, Fiberglass	
2	67148D	1	Engine Compartment Rear Panel	
3	67184X	1	Door Seal	
4	67376C	1	Rear Grille	
5	P00007	2	Capscrew, Hx = 1/4"-20 × 1 1/2"	
6	P00001	5	Gapscrew, Hx., 1/4"-20 × 1/2 '	
7	P00205	12	Capscrew, Hx 3/8-16 x 1 1/4"	
8	P01681	4	LockNut, Hx., 3/8"-16 (Nylock)	
9	P01584	2	JamNut Hx., 3/8"-16	
10	67547X	2	Redend	
11	67731B	2	Mounting Bracket, Hinge	
12	67857B	1	Mounting Brackel, Rear Panel	
13	P08264	4	Capscrew, Hx. 3/8-16 × 11	
14	P01404	24	Flatwasher, 3/81	
15	P01310	20	Lockwasher, 3/8*	
16	P01508	12	Nul, Hx , 3/8"-16	
17	66148X	4	Stud, Ball	
18	66149X	4	Chp Refaining	
19	67554X	2	Gas Spring	
20	P00202	2	Capscrew, Hx., 3/8-16 × 3/4*	
21	67863 B	1	Catch, Latch	
22	67890A	1	Mount, Lalch Gatch	
23	67364D	1	Cover. Front Engine	
24	P01528	4	Nul. Hx . #10-24	
25	P01306	4	Lockwasher, #10	
26	67856B	1	Mounting Bracket, Front Louver	
27	67556X	1	Latch	
28	P01355	4	Starwasher, #10	
				844D-34 S/N 108 619

ENGINE COWLING ASSEMBLY 3.2.1

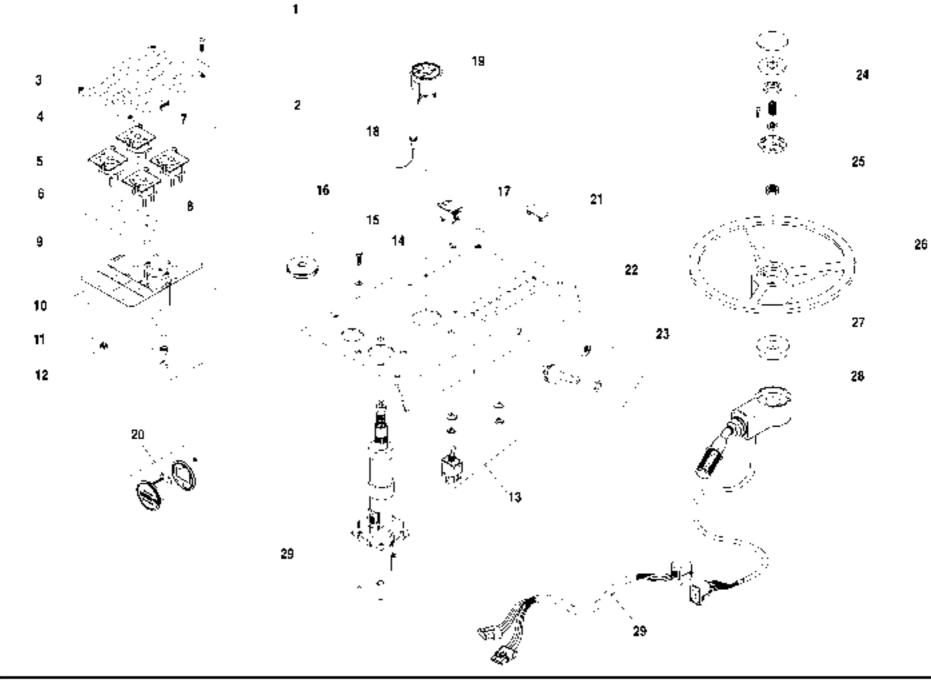


ITEM	PART NO.	QTY.	DESCRIPTION		
1	671440	1	Hood, Fiberglass		Rev 032
2	1100009	1	Engine Compartment Rear Panel		
3	P01508	12	Nul, Hx., 3/8"-15		
4	P01310	12	Lockwasher, 3/8'		
5	P01404	12	Flatwasher 3/81		
6	P01681	4	LockNut, Hx., 3/8"-16 (Nylock)		
7	67547X	2	Rodend		
8	P01584	2	JemNut, Hx., 3/8"-16		
9	67731B	2	Mounting Bracket, Hinge		
10	P00205	8	Capscrew, Hx., 3/8-16 × 1 1/4"		
11	66148X	4	Stud, Bali		
12	66149X	4	Clip Retaining		
13	67554X	2	Gas Spring		
14	P00202	2	Capscrew, Hx., 3/8-16 × 3/4*		
15	P00204	2	Capscrew, Hx. 3/8-16 x 1*		
16	67863B	1	Calch, Laich		
17	67890A	1	Mount, Latch Catch		
18	10469132	1	Cover, Front Engine		
19	67556X	1	Latch		
20	P01355	4	Stawasher, #10		
21	P01528	4	Nut, Hx., #10-24		
NOTE:		N 703 aı	nd after the hinge mounting brackets are welded on	844D-34 S/N 220	
				ENGINE COWLING ASSEMBLY 3.2.1.1	644D



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	P01929	2	Copscrew, Hx 5/8"-18 x 5 1/2" GR8		G P25464		Seat Belt - 3" Wide	^{Rev} 0
2	P01256	9	Flatwasher, Herdened., 5/8*	37	65862B	1	Seat Mount, Left	
3	68850A	1	Stop Block, Angle	38	65907C	1	Cover, Real	
4	P06083	4	Lock Nut, Hx., 5/8'-18(Nylock)	39	P03209	2	Capsorew, Button Hd. Socket, 5/16*-18 x 1/2*	
5	P33152	4	Rubber Mount, Two Piece	40	67747B	1	Guard, Cable and Hose	
6	36262A	4	Snubbing Washer	41	38246B	1	Storage Box	
7	68851A	1	Stop Block, Angle	42	P05003	2	Locknul, Hx ; 7/16*-14	
8	N12354	1	Rubber Locking Channel	43	65894B	1	Step. Operator's	
9	39390C	1	Screen Slide	44	P00202	4	Capscrew, Hx , 3/8'-15 × 3/4"	
10	P27829	24	Screw. Phillips Truss Hd., 5/16*-18 × 3/4*	45	P01310	- 1	Lookwasher, 3/81	
11	65545B	1	Instrument Panel	46	358498	1	Cover, Side	
12	P20459	4	Speed Nut	47	37113X	3	Screw, Phillips Truss Hd., 5/16"-18 × 1-1/2"	
13	67266E	1	Operator's Compartment	48	36958B	1	Cover, Front	
14	P01653	2	Locknut, Hx., #8-32	49	P00642	2	Capsorew, Hx., 5/8'-11 × 4 1/2" GR8	
15	P28470	1	Level Indicator	50	P32958	4	Pop-Rivet, Aluminum 1/8" Dia, x.337" Long	
16	P01327	2	Flatwasher, #8 SAE	51	37364X	1	Holder, Flip Card	
17	P02034	2	Screw, Slatted Rd, Hd., #8-32 x 1/2"	52	Ø 36542B	1	Mounting Plate Decal	
18	66290C	1	Control Panel	53	@P00001	2	Capsorew. Hx., 1/4'-20 × 1/2"	
19	P01403	20	Flatwasher, 5/16*	54	Ø P01308	2	Lockwasher 1/4*	
20	36316A	1	Cup Holder	55	38718A	1	3-Ring Hanger, Flip Card	
21	P01357	4	Starwasher, 1/4" External					
22	P03196	4	Capscrew, Button Hd, Sucket,: 1/4*-20 × 3/4*					
23	P00234	2	Capscrew, Hx. 3/8"-16 × 1 3/4" GR 8		_			
24	P01404	4	Flatwasher 3/81	 NOTES: Required in California. Used with Optional Enclosed Cab Only. 				
25	36887C	1	Overhead Guard					
26	P01658	4	Locknut, Hx., 3/8'-16	۳ ۱			closed Cab Only.	
27	P00245	2	Capscrew, Hx., 3/8"-16 × 5" GR 8					
28	36436 B	1	Side Cover, Control Panel					
29	P01507	G	Nut, Hx., 5/16*-18					
30	P01309	б	Lockwasher, 5/16*					
31	65863B	1	Sea Mount. Right					
32	36478C	1	Seat, Operator's					
	38383C	-	Suspension Seat. Operator's (Optional)					ł
- 33	P00102	4	Capscrew, Hx 5/16'-18 × 3/4'	844D-3	4 S/N 108			
34	P00102	2	Capscrew, Hx., 7/16'-14 × 1-1/4"					
35	P01405	4	Flatwasher 7/16"					
36	39367B	1	Seat Bell - 2' Wide	1				1

OPERATOR'S COMPARTMENT ASSEMBLY 3.3.1

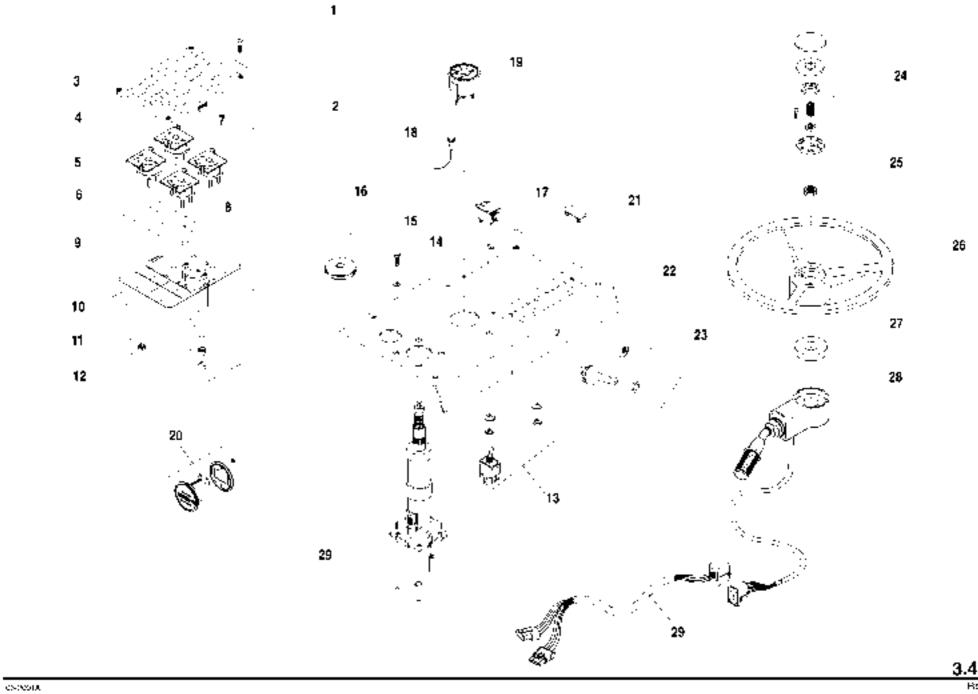


3.4.1 Rev 604

ITEM	PART NO.	QTY.	DESCRIPTION		
1	P02057	4	Screw, Slotted Rd, Hdl, #10-24 × 3/4*		Hev.
2	36830B	1	Cluster Gauge (Includes Items 3–12)		
3	37330X	1	Bezel		
4	37331X	1	Geuge. Fuel	NOTES	
5	37332X	1	Gauge, Water Temperature	Used S/N 108-612 Not Required when ordering a new Shift Control	
ô	37333X	1	Gauge. Oil Pressure	(ltem 28)	
7	37334X	1	Gauge, Voltimeter		
8	38222B	1	Lens, Diff Lock, "Park Brake" and "Brake"		
9	38221B	1	Lens, 'Rear Osc Lock'		
10	N.S.S.	1	Body, Cluster Gauge		
11	37328X	6	Light Socket (with G E. #194 Lamp)		
12	37329X	2	Light Socket (with G.E. #168 Lamp)		
13	67524X	1	Switch, Parking Switch		
14	P01310	4	Lockwasher, 3/8'		
15	PIX0205	4	Capscrew, Hx., 3/8*-16 x 1 1/4*		
16	P32675	1	Grommet		
17	38094A	1	Switch, Rocker (Transmission Declutch)		
18	38462A	1	Light Source		
19	36805X	1	Gauge, Transmission Oil Temp		
20	36804X	1	Gauge, Hourmeter		
21	36512X	S	Plug. Hole		
22	65545B	1	Instrument Panel		
23	P11092	1	Switch, Ignition		
HEF	P32926	-	Key		
24	P18141	1	Horn Bution		
25	P13009	1	Nut, Steering		
26	P28704	1	Steering Wheel		
27	34667A	1	Mounting Pad, Aubber		
28	10267224	1	Shift Control. Electric		
29	P33122	1	Sleering Column		
30	0 68410B	1	Harness, Jumper, Shifter		
				844D-34 S/N 108 1279	4
			N.S.S Not Sold Separately		

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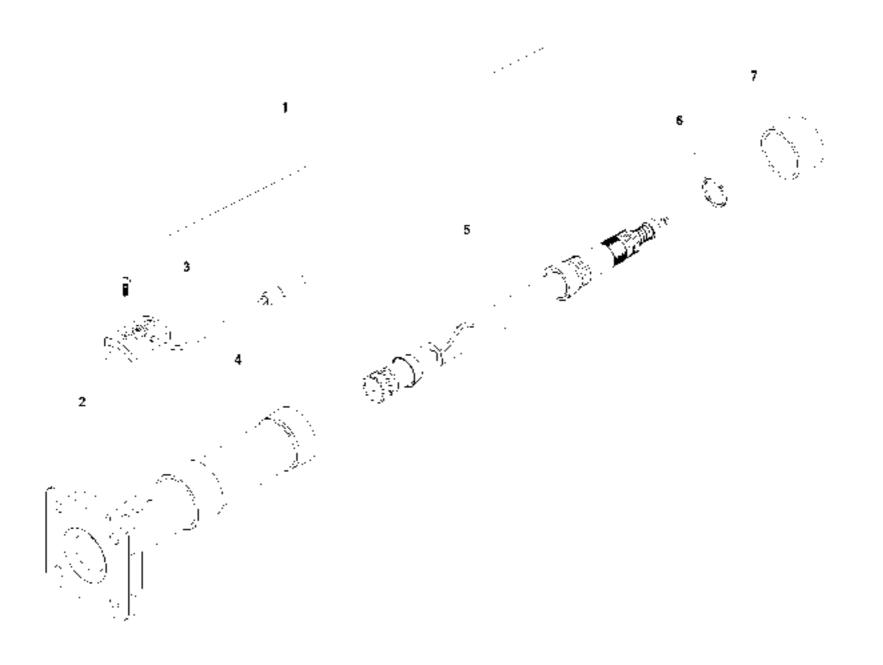
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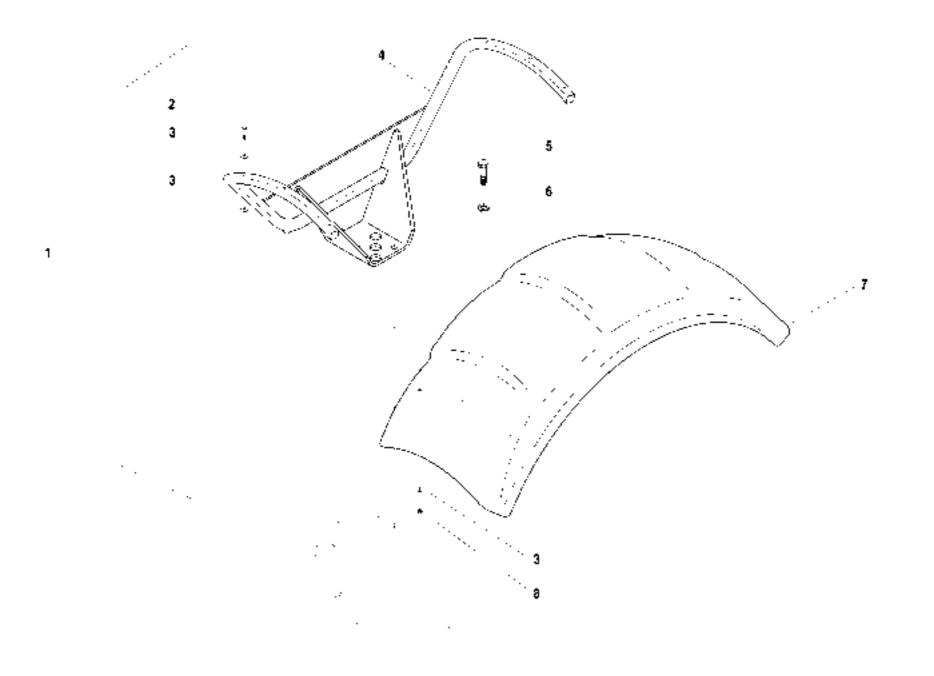
3.4.1.1 Rev 604

ITEM	PART NO.	QTY.	DESCRIPTION		
1	P02057	4	Screw, Slotted Rd, Hdl, #10-24 × 3/4*		Hev. 0
2	36830B	1	Cluster Gauge (includes items 3-12)		
3	37330X	1	Bezel		
4	37331X	1	Gauge, Fuel	NOTES	
5	37332X	1	Gauge, Water Temperature	O Used S/N 108-612 Not Required when ordering a new Shift Control	
6	37333X	1	Gauge, Oil Pressure	(ltem 28)	
7	37334X	1	Gauge, Voltimeter		
8	38222B	1	Lens, Diff Lock, "Park Brake" and "Brake"		
9	38221B	1	Lens, "Rear Osc Lock"		
10	N.S.S.	1	Body, Cluster Gauge		
11	37328X	6	Light Socket (with G E. #194 Lamp)		
12	37329X	2	Light Socket (with G.E. #168 Lamp)		
13	67524X	1	Switch, Parking Switch		
14	P01310	4	Lockwasher, 3/8'		
15	P00205	4	Capscrew, Hx., 3/8*-16 × 1-1/4*		
16	P32675	1	Grommet		
17	38094A	1	Switch, Rocker (Transmission Declutch)		
18	38462A	1	Light Source		
19	36805X	1	Gauge, Transmission Oil Temp		
20	36804X	1	Gauge, Hourmeter		
21	36512X	S	Plug. Hole		
22	65545B	1	Instrument Panel		
23	1101202	1	Switch, Ignition (includes 2ea keys)		
HEF	1101203	-	Key		
24	P18141	1	Horn Bution		
25	P13009	1	Nut, Steering		
26	P28704	1	Steering Wheel		
27	34667A	1	Mounting Pad, Autber		
28	10267224	1	Shift Control. Electric		
29	P33122	1	Steering Column		
30	0 68410B	1	Harness, Jumper, Shifter		
				844D-34 S/N 1280	4
			N S.S Not Sold Separately		

INSTRUMENT PANEL ASSEMBLY 3.4.1.1



ITEM	PART NO.	QTY.	DESCRIPTION		
1	P33122	1	Sieer Column Assembly		Dev - 304
2	P18740	1	Brush Assembly (Includes Item 3)		
3	NSS	2	Screw		
4	N.S.S	1	Tube Assembly		
5	NS.S	1	Shafi Assembly		
θ	N.S.S.	1	Retainer. Shett		
7	P18738	1	Cap. Tube		
			N.S.S. = Not Sold Separately		
				644D-34 S/N 108	t
					644D
				STEER COLUMN ASSEMBLY 3.5.1	3710

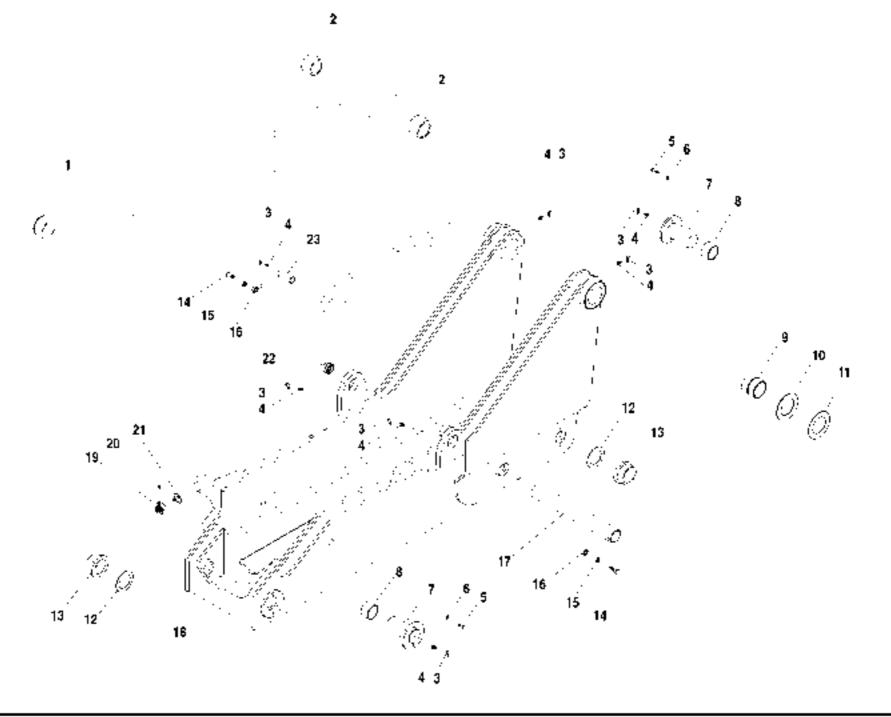


1 1100706 • Fedder Assembly (includes terms 2-8) 2 1070008 • Capscerck Hz., 141-20 X1 341 3 8307109 18 Flakwacher, 141 4 1100475 1 Support, Fender 5 10704281 2 Capscerck Hz., 141-20 X 50mm GR 10 8 6 8310173 2 Flakwacher, 141 7 110075 1 Fender 15 Wuck 457 Long 8 10705000 6 Nut, Toplock., 1/4" 20 8 10705000 8 Nut, Toplock., 1/4" 20 8 10705000 8 Nut, Toplock., 1/4" 20	ITEM	PART NO.	QTY.	DESCRIPTION		_
2 10700008 6 Capacery, Hz., 1/4*20, X13/4* 3 8070719 16 Rahvesher, 1/4* 4 1100475 1 Support, Fender 5 10704281 2 Capacery, Hz., M14*20, X 50mm GR 10.9 6 831073 2 Fender 16* Wele X 43* Long 8 10705000 5 Nut, Toplock., 1/4*20 8 10705000 5 Nut, Toplock., 1/4*20						Hev. 003
3 8307109 18 Flatwalker, 14* 4 11070475 1 Support, Fender 5 10704281 2 Chaperev, H.a., M14-2.0 X Somm GR 10.9 6 8310773 2 Flatwalker, 14mm 7 1107050 1 Fender 15* Weik X & Long 8 10705000 6 Nut, Toplock., 1/4*'20 8 10705000 6 Nut, Toplock., 1/4*'20	2		6			
4 1100475 1 Support. Fender 5 10704281 2 Capscrev, H., M14-2 C X Somm GR 10 9 6 831073 2 Flatwasher, 14mm 7 1100705 1 Fender 15' Wide X 45' Long 8 10705000 6 Nut, Toplock, 1/4''20 8 10705000 7 Nut, Toplock, 1/4''20 8 840-34 S/N 1069			18			
5 10704281 2 Capacrew, Hu., M1+2 (0 X 50mm GR 10 9 6 8310173 2 Flahvasher, 14mm 7 1100705 1 Fender 15' Wide X 49' Long 8 10705000 6 Nut, Toplook, 1/4" 20			1	Support. Fender		
6 8210173 2 Flatvasher, 14mm 7 1100705 1 Fender 18' Wicle X 46' Long 8 10705000 6 Nut, Toplock., 1/4''20 8 10705000 6 84D-34 S/N 1059	5	10704281	2			
7 1100705 1 Fender 15" Wuld X 45" Long 8 10705000 6 Nul, Toplook., 1/4" 20			2			
8 18705000 6 Nut, Toplook., 1/4" 20 B44D-34 S/N 1069	7		1			
844 2-34 S/N 1068	8		6			
					8440-34 Š/N 1068	†
FENDER ASSEMBLY 3.6.1						
FENDER ASSEMBLY 3.6.1						
FENDER ASSEMBLY 3.6.1						
FENDER ASSEMBLY 3.6.1						
FENDER ASSEMBLY 3.6.1						644D
					FENDER ASSEMBLY 3.6.1	

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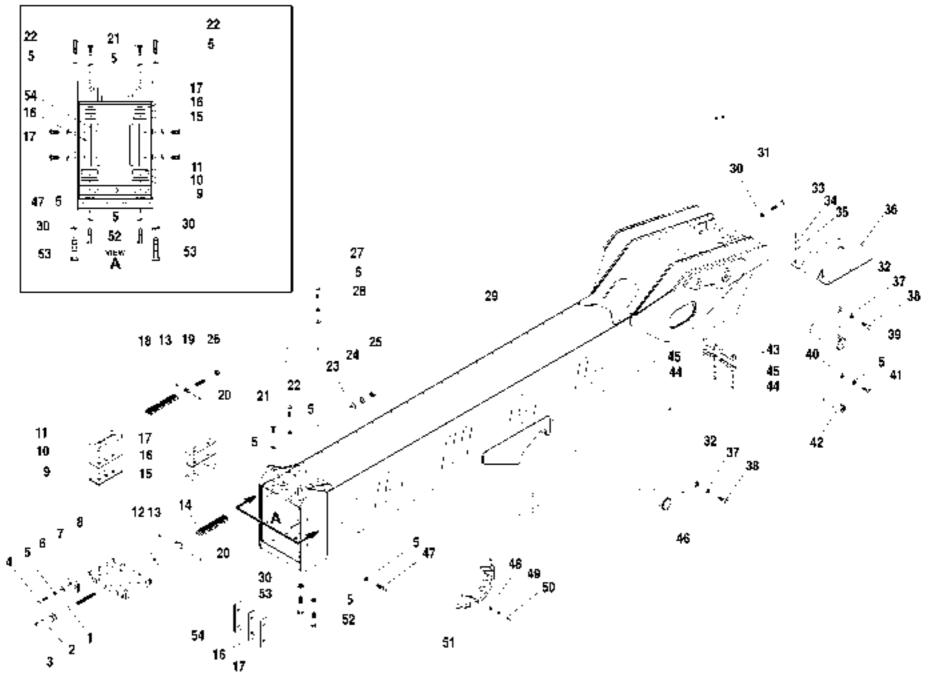
Section 4 — Boom and Transfer Carriage

Transfer Carriage Assembly/Boom Crarle Assembly
Outer Bonm Assembly, 3-Section
Middle Boom Assembly, 3-Section
Inner Boom Assembly, 3-Section
Quick Attach Group Assembly4.7.



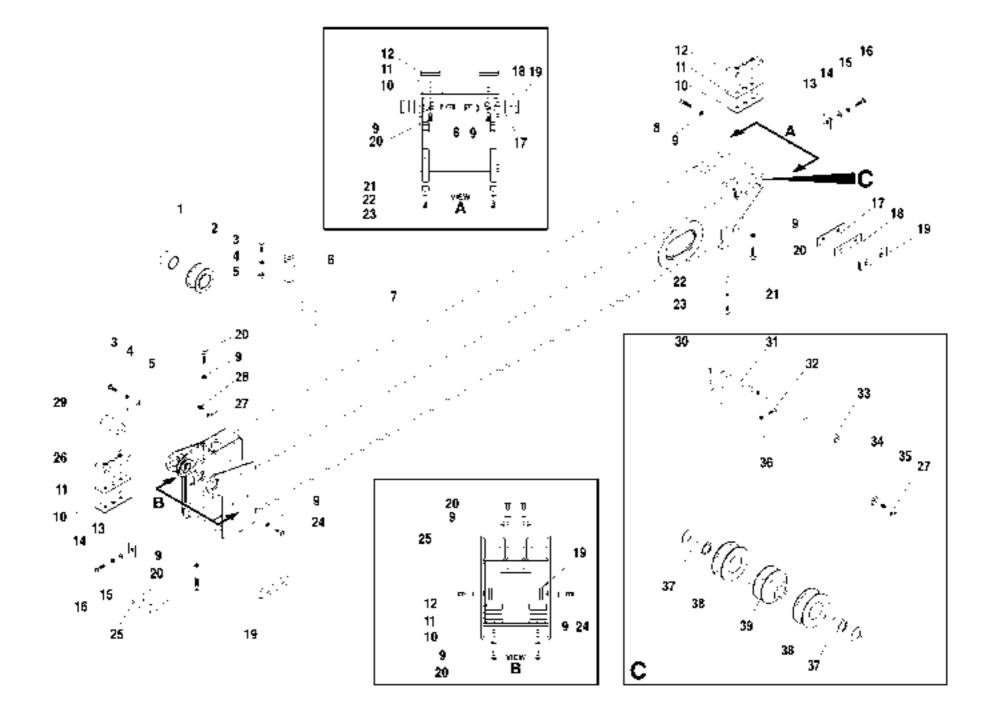
ITEM	PART NO.	QTY.	DESCRIPTION		
1	15959A	1	Bushing, Haist Cylinder, Lower		Hev. 004
2	65692A	2	Bushing, Hoist Cylinder, Upper		
3	P32689	7	Cover, Grease Fitting		
4	P15367	1	Grease Fitting 45°		
5	P00204	4	Capscrew, Hx = 3/8"-16 × 1"		
6	P01310	4	Lockwasher, 3/8"		
7	66596A	4	Roller Pro		
8	24257A	4	Bushing. Roller Transfer Carriage		
9	P27758	2	Bushing, Boom Pivot		
10	P24746	A/R	Shim07'		
11	P24747	A/R	Shim 101		
12	17012A	4	Thrust Washer		
13	15969 B	4	Boller, Transfer		
14	P00403	4	Capscrew, Hx., 1/2"-13 × 1 1/4"		
15	P01312	4	Lockwasher 1/2"		
16	3417BA	4	Lock Pm		
17	65610A	1	Pin, Hoist Cylinder, Transfer Carriage		
18	65331D	1	Transfer Carriage		
19	16369A	1	Nut, Transfer Cylinder		
20	P02614	2	Setscrew, Socket Cup Pt., 3/8*/16 × 1/2*		
21	15976A	1	Boss Cylinder Rod		
22	P13449	2	Bushing, Rear Carriage Tilt Cylinder Mount		
23	36464A	2	Pin, Rear Carriege Till		
					ł
				844D-34 S/N 108	
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TRANSFER CARRIAGE ASSEMBLY 4.1.1



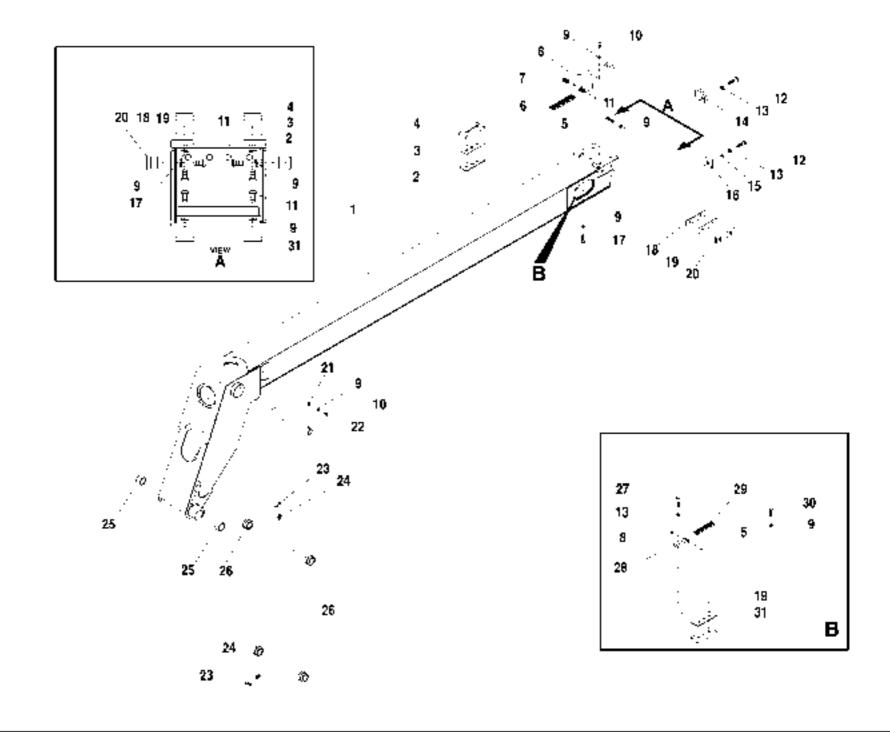
'EM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	—
1	38374A	1	Adjustment Rod, Chain	36	1100393	1	Cover, Cylinder	Hev
2	P01308	1	Lockwasher, 1/4 [*]	37	P01314	3	Lookwasher, 5/81	
3	P03194	1	Capscrew, Hx = 1/4"-20 x 1/4"	- 38	P00632	3	Capsorew, Hx., 5/8'-11 × 1-3/4*	
4	P00404	4	Capscrew, Hx. 1/2"-13 × 1 1/2"	39	65330A	2	Pin, Boom Pivot	
5	P01312	18	Lockwasher, 1/2*	40	34178A	2	Lock Pin	
	P01361	-	Starwasher, External 1/21	41	P00403	2	Capscrew, Hx., 1/2'-13 × 1-1/4"	
	P01406	-	Flatwasher 1/21	42	36240A	2	Pin, Slave Cylinder	
ə	P01279	4	Flatwasher, 1/21 - Hardened	43	66909A	2	Hose Clamp	
7	37109A	2	Pad Detainer, Aluminum	44	P00011	4	Capsorew, Hx., 1/4'-20 x 2 1/2"	
в	65235B	1	Anchor Base	45	P01308	4	Lookwasher, 1/41	
Э	38769A	A/B	Shim, 10 GA (.135* × 3' Wide)	46	65329A	1	Pin, Boom Hoist - Red End	
0	38770A	A/R	Shim, 16 GA (.135" × 3' Wide)	47	0 P03236		Capscrew, Button Hd. Socket, 1/2"-20 × 3/4"	
1	1100082	4	Slide Pad, Boom (1 ^{***} × 3 ⁺ Wide)		0 P03237	-	Capscrew, Button Hd. Socket. 1/2"-20 × 1"	
2	39013B	1	Adjustment Block, Chain		0P03242	12	Capscrew, Button Hd. Socket, 1/2"-20 x 1 1/4"	
3	P05000	4	Locknut, Hx., 1/4*-20	- 18	P01327	2	Flatwasher, #8	
4	65682A	1	Chain, Lower, 146 1/2*	49	P01354	2	Starwasher, #8 External	
5	39024A	2	Slide Pad, Boom (3/4* x 2" Wide)	50	P02034	2	Screw, Slotted Rd. Hd., #8-32 × 1/2"	
6	36328A	A/B	Shim, 10 GA (.135" × 2' Wide)	51	382528	1	Inclinometer, Boom Angle	
7	36329A	A/R	Shim, 16 GA (.135' × 2' Wide)	52	P00456	2	Capscrew, Hx., 1/2'-20 × 1 1/2"	
8	65681A	2	Chain, Upper, 162"	53	P00733	4	Capscrew, Hx , 3/4'-10 x 3 1/2"	
9	66345A	2	Anchor, Chain Adjustment	54	66399A	1	Slide Pad. Boom (9/16" x 2" Wide) Left Side	
0	37456X	Э	Shoulde) Bolt, 5/16" Dia, × 2 1/2"		39604A	1	Slide Pad, Boom (7/16" x 2" Wide) Right Side	
1	P00481	2	Capscrew, Hx. 1/2'-20 × 1 1/2'				· · ·	
2	P00485	2	Capscrew, Hx . 1/2"-20 x 2 1/2"					
3	P01257	2	Flatwasher, 3/4' SAE					
4	P01232	4	Nul. Hx , 3/4"-16 GR8					
5	P01364	2	Starwasher, 3/4" External	NOTE				
6	P01586	2	Jam Nut, Hx , 0/4"-16"			-	ary with shimming requirements.	
7	P00432	4	Capscrew, Hx., 1/2"-13 × 1 3/4"		washers will va	ary with :	shimming requirements.	
8	P01406	4	Flatwasher 1/2					
9	68976D	1	Weldmant, Outer Boom					
ō	P01315	ý	Lockwasher, 3/4*					
1	P00733	2	Capscrew, Hx., 3/4"-10 × 3 1/2"					-
2	32432A	3	Lack Pin	644D-3	14 S/N 108-			
3	10700003	Å.	Capscrew, Hx., 1/4"-20 × 3/4"					
14	10701308	4	Lockwasher, 1/4*					
15	10701402	4	Flatwasher, 1/4'					

OUTER BOOM ASSEMBLY (3 Section) 4.2.1

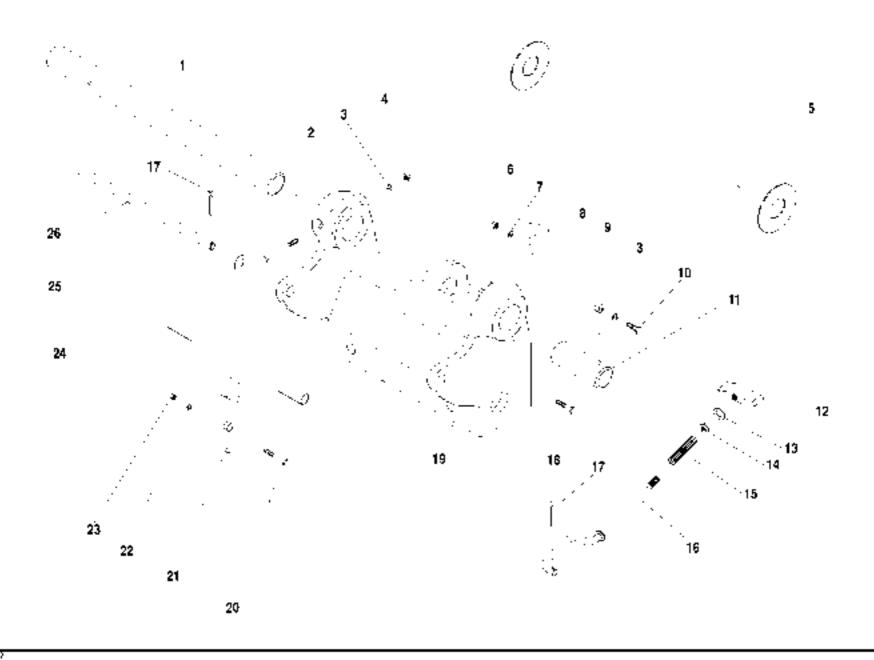


ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	65715A	2	Bushing	34	65266A	1	Pin, Chain Sheave & Hose Sleeve	Part 10
2	65833B	2	Chain Sheave	35	P16611	2	Grease Filting	
3	P00403	2	Capscrew, Hx = 1/2"-13 x 1 1/4"	36	P01560	1	Jamnut, Hx., 1/2°-13	
4	P01312	16	Lockwasher, 1/2*	37	65723A	2	Bushing	
5	34178A	2	Lock Pin_1/2" Dia	38	65270B	2	Hose Sheave	
ô	65214A	1	Pin, Boom Extend Cylinder	39	66275B	1	Boller, Chain/Hose	
7	65123D	1	Middle Boom					
8	P03242	16	Capscrew, Button Hd. Socket, 1/2'-20 x 1 1/4"					
	P03236	-	Capscrew, Button Hd. Socket, 1/2*-20 x 3/4*					
	P03237	-	Capscrew, Button Hd. Socket, 1/2'-20 × 11	NOTE				
9	P01312	16	Lockwasher, 1/2*				vary with shimming requirements.	
	P01361	-	Starwasher, External 1/21	• '	Weistlers will ve	ary with	shimming requirements.	
	Ø P01406	-	Flatwasher 1/21					
10	38769A	A/R	Shire, 10 GA					
11	38770A	A/R	Shim, 16 GA					
12	1100084	2	Slide Pad, Boom (3/4" × 3" Wide)					
13	39809A	2	Pad Retainer, Aluminum					
14	P01440	2	Flatwasher, 3/41 SAE					
15	P01315	2	Lockwasher, 3/4*					
16	P00726	2	Capscrew, Hx., 3/4"-10 × 1 3/4"					
17	36328A	A/R	Shima, 10 GA (.135' × 2' Wide)					
18	36329A	A/B	Shim, 16 GA (.060" × 2' Wide)					
19	39604A	4	Slide Pad, Boom (7/16* × 2* Wide)					
20	P00452	4	Capscrew, Hx . 1/2"-20 x 1" GR 8					
21	65626A	2	Slide Pad, Boom (3/4" × 1" Wide)					
22	P01359	4	Starwasher 3/8"					
23	P03225	4	Capscrew, Button Hd. Socket, 3/8'-16 x 3/4"	1				
24	P00452	Ð	Capscrew, Hx 1/2"-20 x 1"	1				
25	65622A	1	Slide Pad, Boom	1				
26	1100082	2	Slide Pad, Boom (1" × 3" Wide)					
27	P32689	4	Cover. Grease Fitting					
28	P15277	3	Grease Fitting	1				
29	1100712	1	Pin, Front Chain Sheave	—				
30	10169065	1	Pin, Hitch	844D-3	14 S/N 108			
31	65678A	1	Mounting Shaft, Hose Follower	1				
32	P02757	1	Setsorew, Square Hd., Cup Pt. 1/21-13 x 1 3/41	1				
33	65676A	1	Roller, Hose Follower	1				
33	65676A	1	Roller, Hose Follower					

MIDDLE BOOM ASSEMBLY (3 Section) 4.3.1



ITEM	PART NO.	QTY.	DESCRIPTION		
1	65124D	1	Inner Boom		Hav CO2
2	38769A	A/R	Shim, 10 GA (.135'×3'Wide)		
3	38770A	A/R	Shim, 15 GA (135 × 3' Wide)		
4	1100082	2	Slide Pad, Boom (1" × 3" Wide)		
5	P27310	2	Shoulder Bolt, 5/16" × 2"	NOTES	
÷	65681A	2	Chain. Upper 162'	 Washers will vary with shimming requirements. 	
7	P05000	2	Lock Nut. Hx ; 1/4 -20		
8	65264B	1	Chain Anchor, Upper		
9	P01312	13	Lockwasher, 1/2*		
	P01361	-	Starwasher, External 1/21		
	P01406	-	Flatwasher 1/21		
10	P00403	з	Capscrew, Hx., 1/2"-13 × 1 1/4"		
11	P00450	-	Capscrew, Hx. 1/2'-20 × 3/4'		
12	P00726	2	Capscrew, Hx., 3/4"-10 × 3 1/2"		
13	P01315	6	Lockwasher, 3/4*		
14	65265A	1	Chain Anchor Shear Block		
15	P01440	2	Flatwasher, 3/4' SAE		
16	39803A	2	Pad Betainer, Aluminum		
17	P00453	4	Capscrew, Hx. 1/2"-20 × 1 1/2"		
18	36329A	A/H	Shim, 10 GA (135" × 2' Wide)		
19	36329A	A/R	Shimi, 16 GA (.135" × 2' Wide)		
20	39604A	2	Slide Pad, Buom (7/16*× 2' Wide)		
21	34178A	1	Lock Pin		
22	65524A	1	Pm, Front Counage Tilt Cylinder, Base End		
23	P32689	2	Cover. Grease Fitting		
24	P15337	2	Grease Filling		
25	24257A	2	Bushing, Beam - Quick Attach Pivot		
26	16228A	4	Bushing, Front Carriage Tilt Cylinder		
27	P00726	2	Capscrew, Hx., 3/4"-10 × 1 3/4"		
28	38724 B	1	Chain Anchor		
29	65682A	1	Chain, Lower 146 1/2"		
30	P00452	4	Capscrew, Hx = 1/2"-20 × 1"		
31	39024A	2	Slide Pad, Boom (1" × 3" Wide)	544D-34 S/N 108-	4
				0140-04 0.11 100-	
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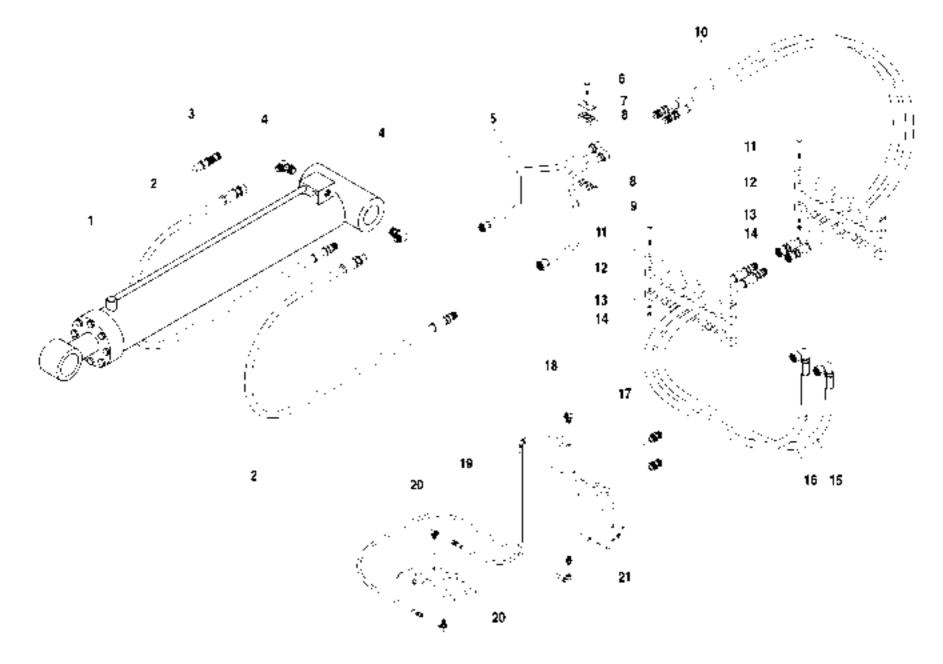
ITEM	PART NO.	QTY.	DESCRIPTION		
1	36863A	1	Pin, Quick Atlach Pivot		Des (000
2	P00420	1	Capscrew. Hx., 1/2*-13 × 7"		
3	P01312	2	Lockwasher, 1/2'		
4	P01510	1	Nut, Hx., 1/2"-13		
5	36013A	A/R	Shim036" (.91mm)		
	17012A	A/R	Shim075" (1.90mm)		
5	P01200	2	Nut, Hx : 1/4"-20		
7	P01308	2	Lockwasher, 1/4		
8	38177A	1	Bracket, Bod Support		
9	34178A	1	Lock Pin		
10	P00403	1	Capscrew, Hx., 1/2*-13 x 1 1/4*		
11	65667A	1	Pin, Front Carriage Tilt - Rod End		
12	37103X	1	Handle, Release		
13	P01301	1	Starwasher, 1/2"		
14	P01560	1	Jam Nut, Hx., 1/2"-13		
15	66835X	1	Spring, Reléase		
16	67059A	1	Rod, Quick Attach Release		
17	P03865	3	Cotter Pin. 3/16" × 1 1/2"		
18	P00008	2	Capscrew. Hx., 1/4"-20 x 1 3/4"		
19	38176D	1	Quick Atlach Gasting		
20	P00209	1	Capacrew. Hx., 3/8"-16 x 2 1/4"		
21	32493A	1	Lock Pin		
22	P01310	1	Lockwasher, 3/8'		
23	P01508	1	Nut, Hx , 3/8"-16		
24	65671B	1	Lock Plate		
25	P01411	2	Flatwasher, 1"		
26	65668A	1	Pin, Lock Pivot Plate		
				844D-34 S/N 108	ľ

QUICK ATTACH GROUP ASSEMBLY 4.7.1

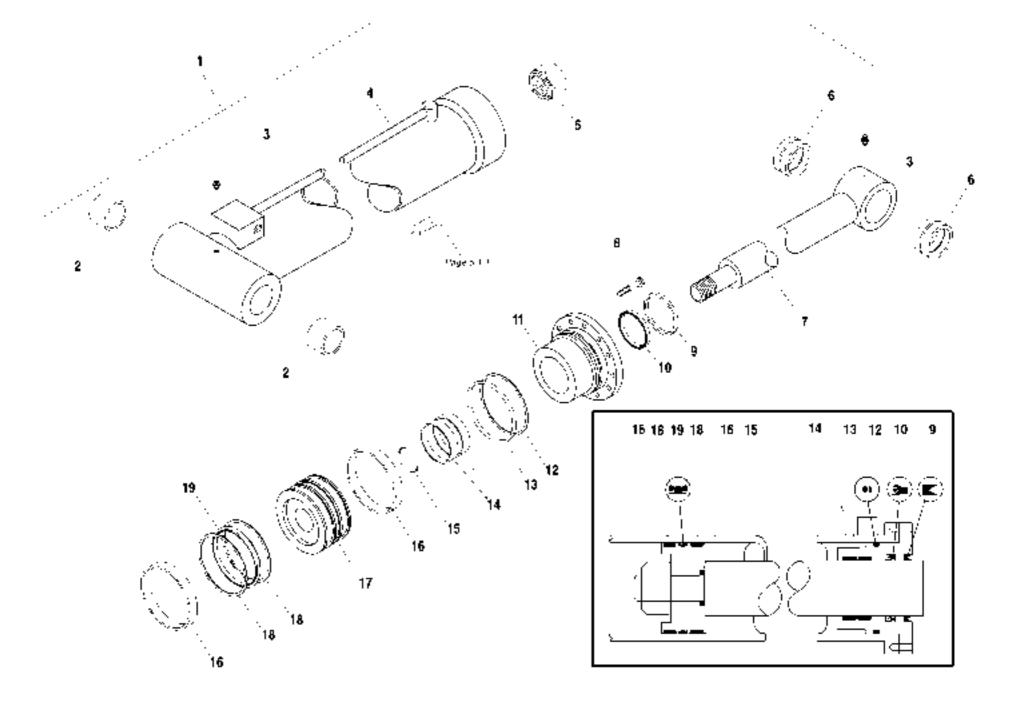
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Section 5 — Boom and Transfer Hydraulics

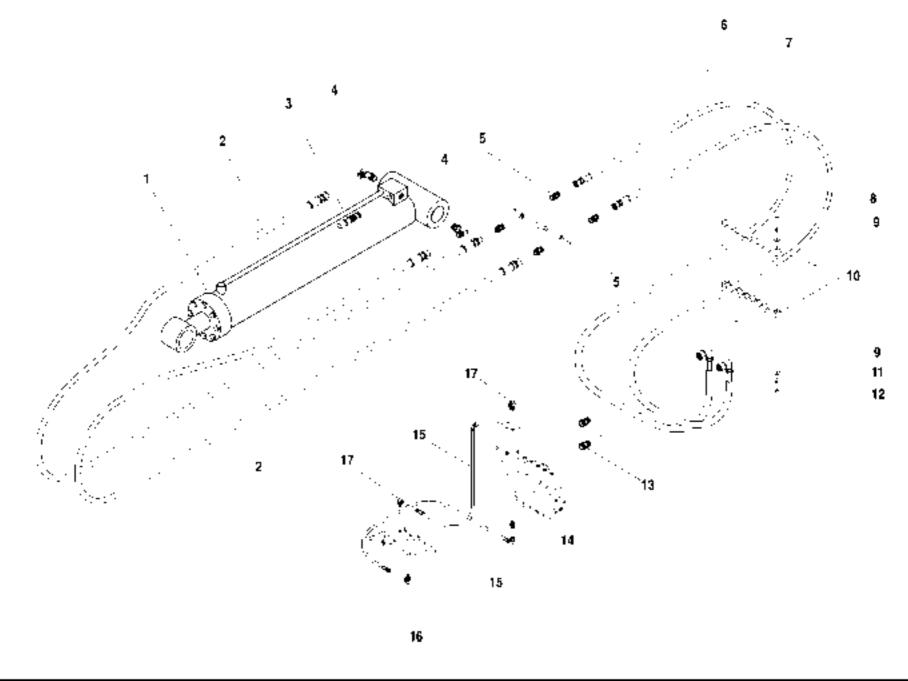
Hoist Hydrautic Circuit	 5.1.1
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Rear Carnage Tilt Hydraulic Circuit.	 5.3.1
Rear Carnage Till Cylinder Assembly	 5.4.1
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Transfer Cylinder Assembly	 5.6.1
Boom Hydraulic Circuit, 3-Section	 5.7.1
Boom Extension Cylinder Assembly, 3-Section	 5.8.1
Front Carriage Tilt Cylinder Assembly.	 5.11.1



ITEM	PART NO.	QTY.	DESCRIPTION		
1	34847 6	1	Cylinder, Hoist (See Page 5.2.1 for Breakdown)		Hev. 000
2	37833X	2	Hyd. Hose, 3/4" × 48'		
3	P27827	1	Cartridge, Counterbalance Valve		
REF	P40491		Seal Kit for Item 3		
4	P17802	2	90" Elbow, O-Aing		
5	65468B	1	Hyd. Tube, 3/4' O.D.		
5	P00107		Capscrew, Hx = 1/4"-20 × 3"		
7	37734X	1	Cover. Clamp		
8	37733X	1	Clamp, Tube, 5/8*		
9	65467B	1	Hyd. Tube, 3/4° O.D.		
10	37850 X	2	Hyd. Hose, 3/4" × 71"		
11	P00013	4	Capscrew, Hx., 1/4"-20 × 3"		
12	85482 B	1	Clamp, Multiple Hose		
13	P01308	4	Lockwasher, 1/4"		
14	P01506	4	Nut, Hx , 1/4"-20		
15	66752X	1	Hyd. Hose, 3/4" × 44"		
16	66741X	1	Hyd. Hose, 3/4" × 42"		
17	P17805	2	Connector, O-Ring		
18	P18935	1	90° Elbow		
19	P30173	1	Hyd. Hose, 1/4" × 201		
20	P19248	1	90° Elbow		
21	P18936	1	Connector		
				844D-34 S/N 108 180	•
				0140-04 0/14 100 100	
					644D
				HOIST HYDRAULIC CIRCUIT 5.1.1	•

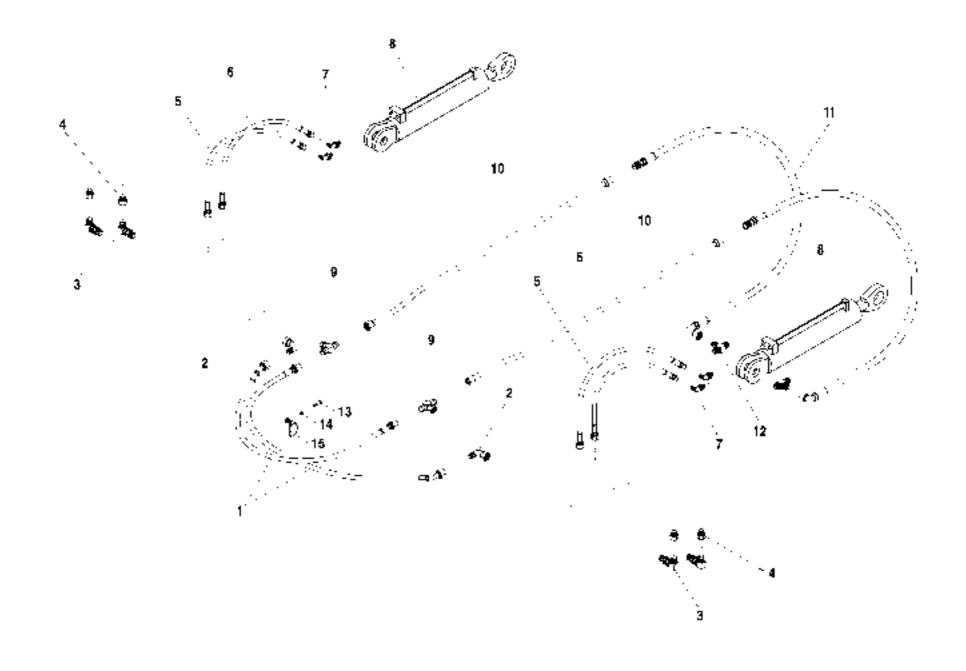


<u>ITEM</u>	PART NO.	QTY.	DESCRIPTION		
1	34847 B	-	Cylinder Assembly, Haisl		Pav COD
2	65692A	2	Bushing		
3	P16511	2	Grease Fittings		
4	68364X	1	Barrel Weldment		
5	P40461	1	Nut, Crownlock		
6	P19111	2	Bushing		
7	68365X	1	Rod Weldment		
8	68368X	12	Capscrew, Hx		
9	≢N.S. 5.	1	Wiper		
10	≭N S,S	1	Seal		
11	68367X	1	Head, Rod Bearing		
12	≭N S.S	1	Back-Up Ring		
13	≭N S.S	1	O-Ring		
14	≉ N.S.S.	2	Wear Ring		
15	≉ N.S.S.	1	O-Bing		
16	≇N S.S	2	Wear Ring		
17	68366X	1	Piston		
18	N.S.S.	2	Back-Up Bing		
19	N.S.S.	1	Pistion Seal		
REF	68369X	٦	Seal Kit		
NÔTE: ¥ II	S. Iems Included		Kıt S. – Not Sold Separately	844D-34 S/N 108	
				HOIST CYLINDER ASSEMBLY 5.2.1	644C

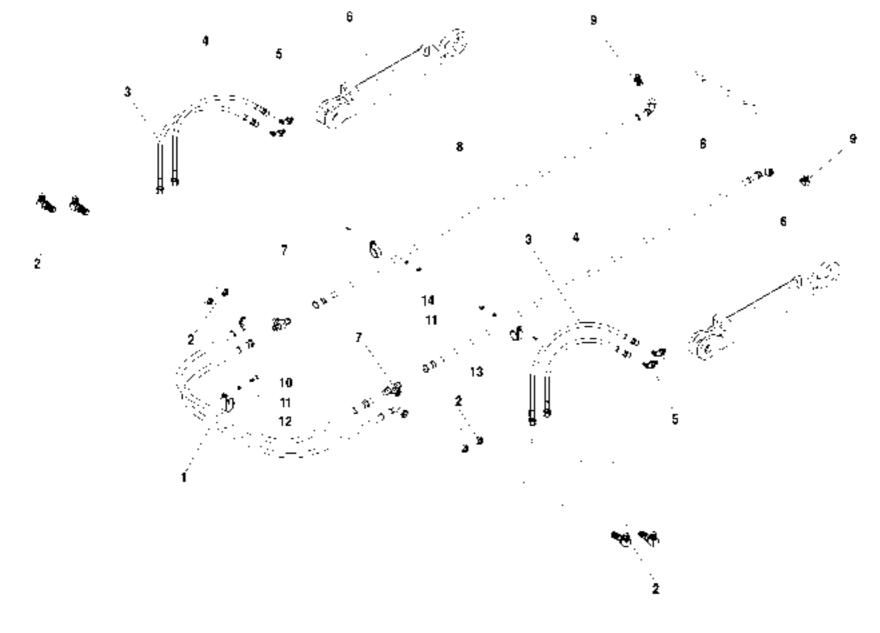


5.1.1.1 Rev COC

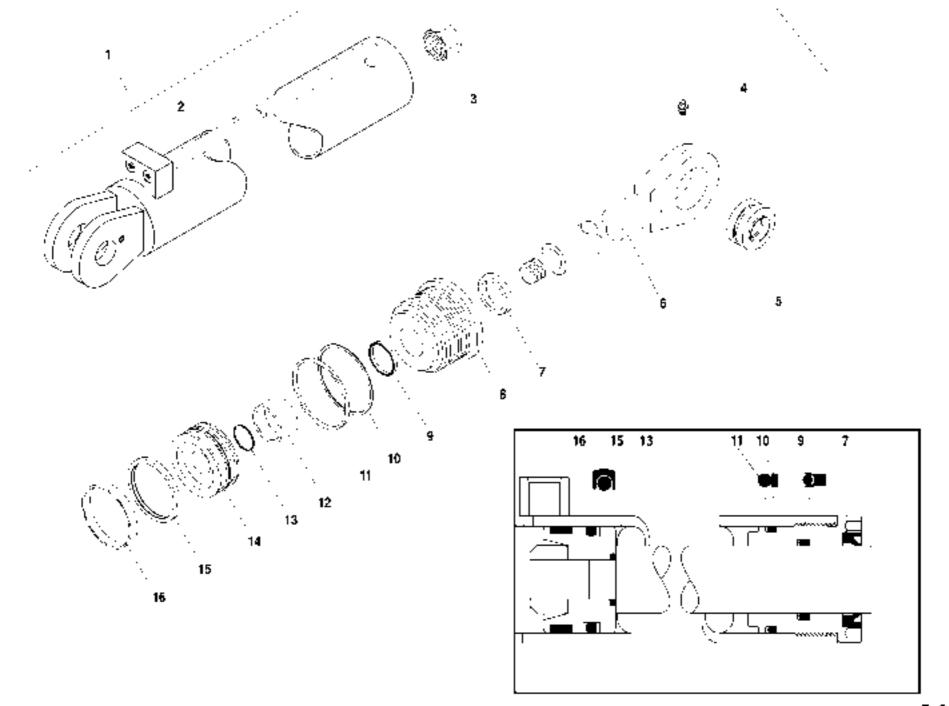
ITEM	PART NO.	QTY.	DESCRIPTION		
1	34847 B	1	Cylinder, Hoist (See Page 5.2.1 for Breakdown)		ייי יייק
2	68107X	2	Hyd. Hose, 3/4" × 481		
3	P27827	1	Cartridge, Counterbalance Valve		
REF	P40491	-	Seal Kit for Item 3		
4	P33165	2	90" Elbow, O-Aing, Long		
5	P18964	5	Connactor, O-Ring		
5	68986B	1	Hyd, Hose, 3/4" × 128"		
7	68985B	1	Hyd. Hose, 3/4" × 124"		
8	P00013	4	Capscrew, Hx. 1/4"-20 × 3"		
9	P01402	1	Flatwasher 1/4"		
10	68972A	1	Clamp, Multiple Hose		
11	P01308	4	Lockwasher, 1/4"		
12	P01506	4	Nut, Hx , 1/4º-20		
13	P17805	2	Connector, O-Ring		
14	P18936	1	Connector		
15	P30173	5	Hyd. Hose, 1/4" × 201		
16	P19248	1	90° Elbow		
17	P18935	1	90° Elbow		
				844D-34 S/N 181	1
				HOIST HYDRAULIC CIRCUIT 5.1.1.1	6440



<u>ITEM</u>	PART NO.	QTY.	DESCRIPTION		T Bay CO
1	37898X	2	Hyd. Hose, 1/2" × 571		
2	P21632	2	90° Elbow, Swivel		
3	P21916	4	90" Elbow, Bulkhead		
4	P28381	4	Adapter, O-Ring		
5	P24689	2	Hyd, Hose, 1/2" × 301		
6	37897X	2	Hyd. Hose, 1/2" × 25"		
7	P21229	4	45" Elbow, O-Aing		
8	34828B	2	Cylinder. Rear Carriage Tilt		
			(See Page 5.4.1 for Breakdown)		
9	P24651	2	Tee, Swivel Nut		
10	65466 B	2	Hyd. Tube, 3/4* O.D.		
11	37872X	2	Hyd. Hose, 3/4" × 71		
12	P27388	2	Tee. Union		
13	P00205	1	Capscrew, Hx., 3/8"-16 × 1 1/4"		
14 15	P01310 37368X	1	Lockwasher, 3/8' Clamp, Hose, Double		
				844D-34 S/N 108 180	
			REAR C	ARRIAGE TILT HYDRAULIC CIRCUIT 5.3.1	6440

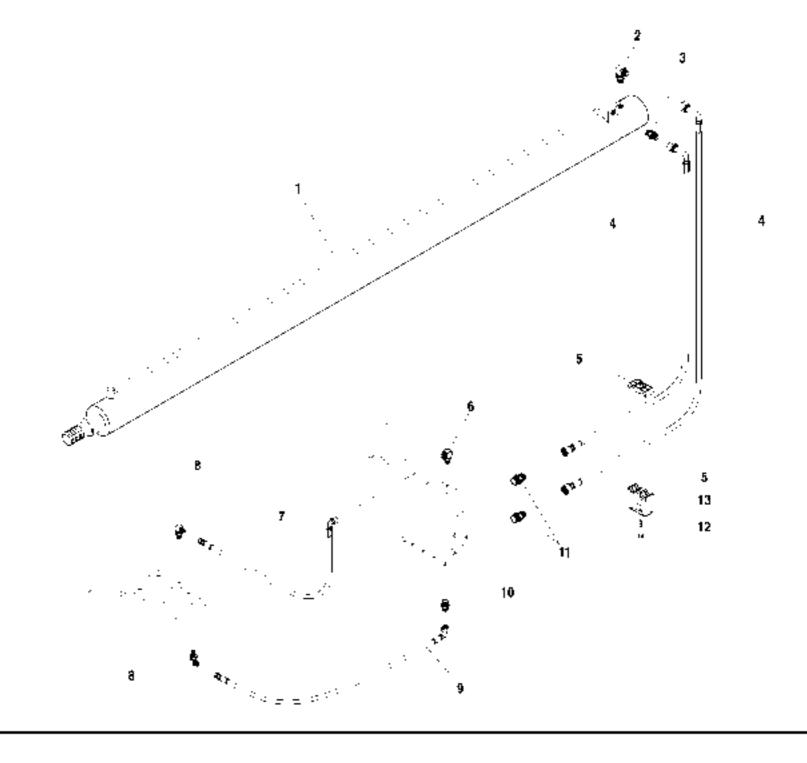


<u>ITEM</u>	PART NO.	QTY,	DESCRIPTION		Pay COD
1	37898X	2	Hyd, Hose, 1/2" x 571		Pary 1:01:
2	P21916	4	90° Elbow, Bulkhead		
3	68113X	2	Hyd, Hose, 1/2" × 30"		
4	68112X	2	Hyd. Hose, 1/2' × 25'		
5	P21229	4	45" Elbow, O-Aing		
0	34828B	2	Cylinder. Rear Carriage Tilt		
			(See Page 5 4.1 for Breakdown)		
7	P24651	2	Tee, Swivel Nut		
8	68108X	2	Hyd. Hose, 3/4* × 71*		
9	P18924	2	90° Elbow, O-Ring		
10	P0u2u5	1	Capscrew, Hx. 3/8'-16 × 1 1/4'		
11	P01310	з	Lockwasher, 3/8"		
12	37368X	1	Clamp, Hose, Double		
13	P18195	2	Clamp, Hose		
14	P05108	2	Nut, Hx , 3/8"-16		
				844D-34 S/N 181	
			BEAR CAR	RIAGE TILT HYDRAULIC CIRCUIT 5.3.1.1	644D

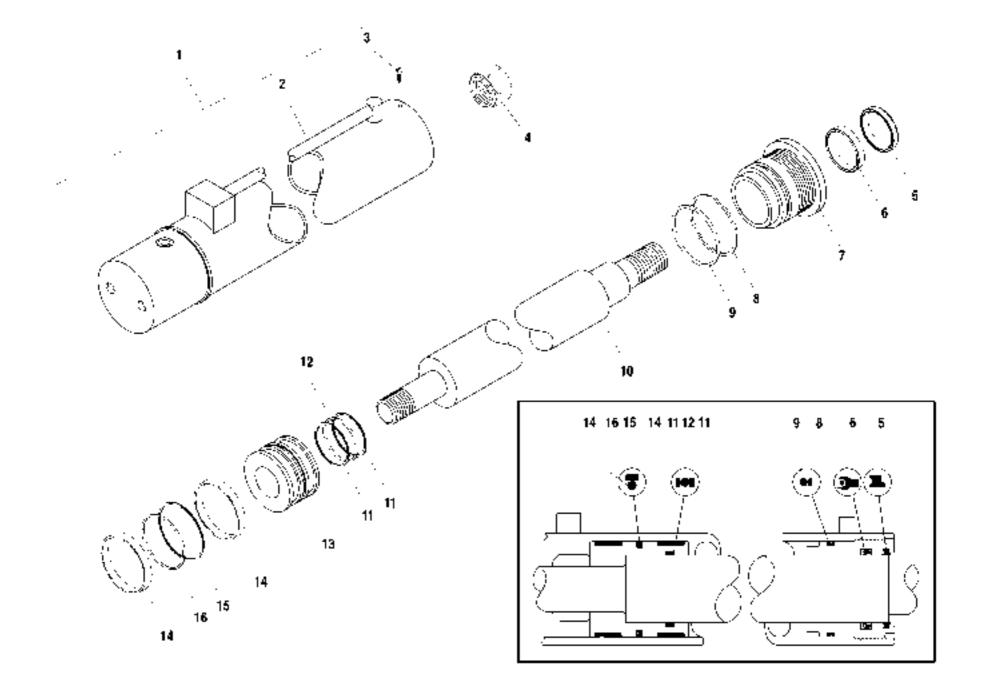


5.4.1 Pay 000

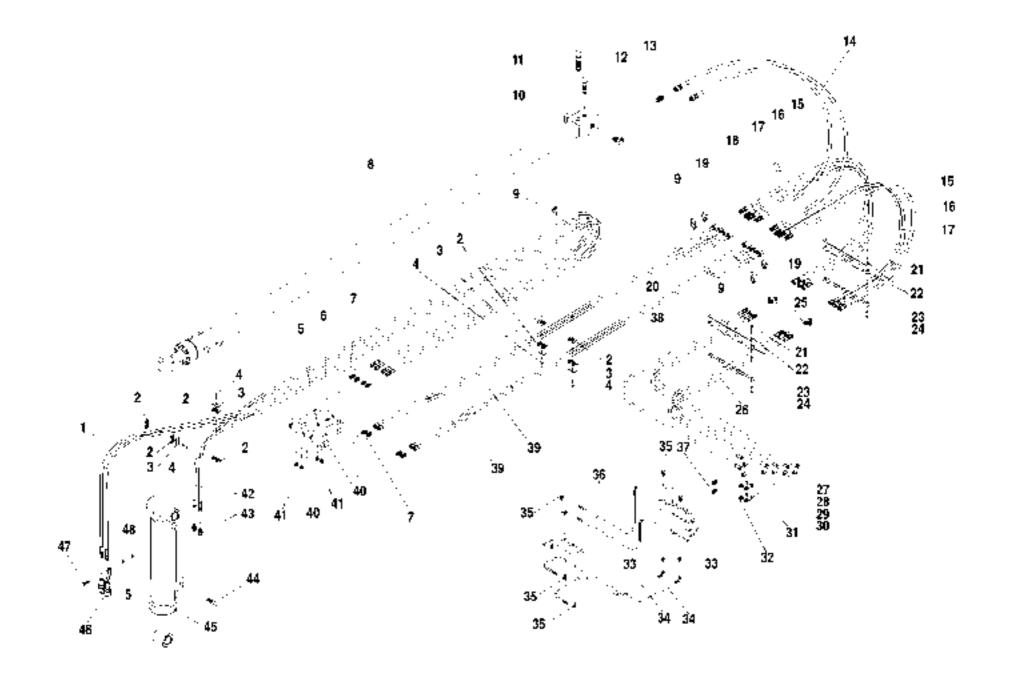
ITEM	PART NO.	QTY.	DESCRIPTION		
1	34828 6	-	Cylinder Assembly, Rear Carilage Tilt		Pay cor
2	P32239	1	Barrel Weldment		
3	P19217	1	Nul, Crawniadk		
4	P16611	1	Zerk, Grease		
5	P13449	1	Bushing, Self-Aligned		
6	P32319	1	Rod Weldment		
7	N.S.S	1	*Wiper		
8	P32331	1	Rod Bearing		
9	N.S.S.	1	Loaded Urethane U-Cup		
10	NSS	1	≢Back-Up Ring		
11	N.S.S.	1	≭ O-Hing		
12	P32342	1	Stroke Limiter		
13	NSS	1	≢Q-Bing		
14	P23799	1	Piston		
15	N.S.S.	1	≢Piston Seal		
16	N.S.S	1	≢Wear-Bing		
REF	P32314	1	Seal Kit (Includes Items 7, 9, 10, 11,13, 15 & 16)		
•	təms Included		s.s. = Not Sold Separately		
				844D-34 S/N 108	
				AGE TILT CYLINDER ASSEMBLY 5.4.1	644D



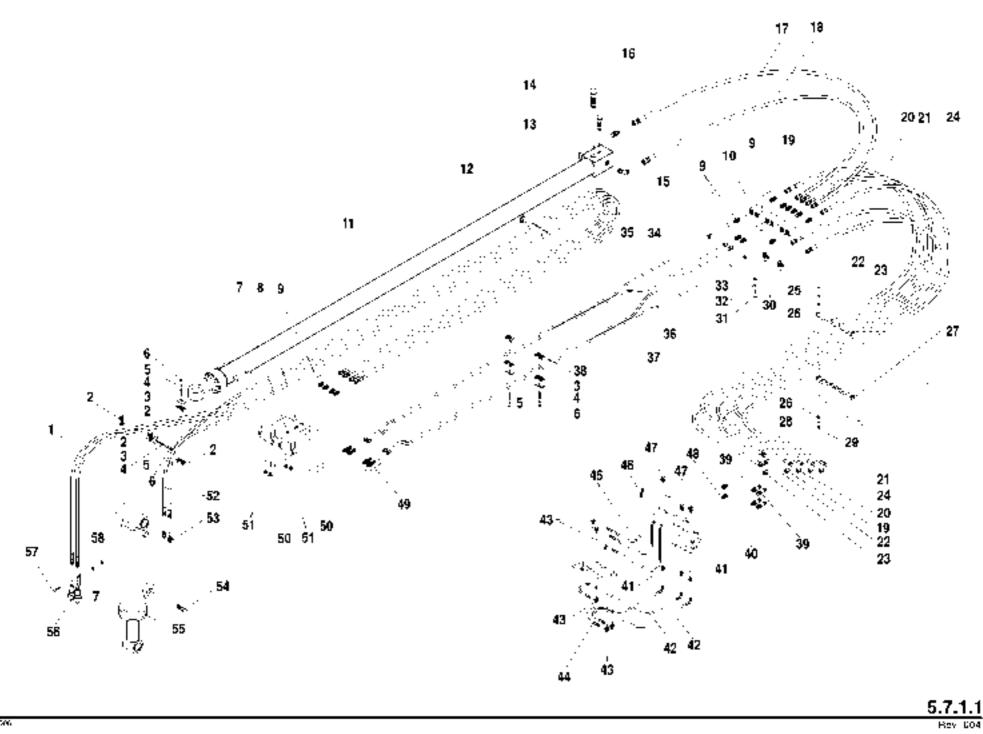
ITEM	PART NO.	QTY.	DESCRIPTION	
1	34845 B	1	Cylinder, Transfer	Pav
			(See Page 5.6.1 for Breakdown)	
2	P18956	1	90° Elbow, O-Ring	
3	P18944	1	Connector, O-Ring	
4	37892X	2	Hyd. Hose, 3/8" × 164"	
5	37733X	1	Clamp, Hyd. Hose	
θ	P18935	1	90° Elbow	
7	P30174	1	Hyd, Hose, 1/4" x 16"	
8	P19248	2	90° Elbow	
9	37298X	1	Hyd. Hose, 1/4" × 14"	
10	P19836	1	Connector, O-Ring	
11	P15406	2	Connector, O-Ring	
12	37735X	1	Bolf	
13	37734X	1	Cover	
				644D-34 S/N 108-
				TRANSFER HYDRAULIC CIRCUIT 5.5.1



ITEM	PART NO.	QTY.	DESCRIPTION		
1	34845 B	1	Cylinder Assembly, Transfer		Hev. Off
2	68370X	1	Barrel Weldment		
3	68377X	1	Screw, Self-Tapping		
4	P40459	1	Nul, Grownleck		
5	N.S.S	1	♥Wiper		
6	NSS	1	≉ Seal		
7	P32279	1	Head, Rod Bearing		
8	NSS	1	≢B ack-Up Ring		
9	N S.S	1	≭ Q-Bing		
10	68371X	1	Red		
11	NSS	2	≢B ack-Up Ring		
12	N.S.S	1	₽ Q-Bing		
13	68372X	1	Piston		
14	N.S.S	2	≢Wear Ring		
15	N.S.S	1	Plston Seat		
16	N.S.S	1	≭ O-Bing		
REF	P30656	٦	Seal Kit		
NOTE * I	tems Included	in Seal	Krt. N S.S. = Not Sold Separately		
				644D-34 S/N 108-	
					6440
				TRANSFER CYLINDER ASSEMBLY 5.6.1	

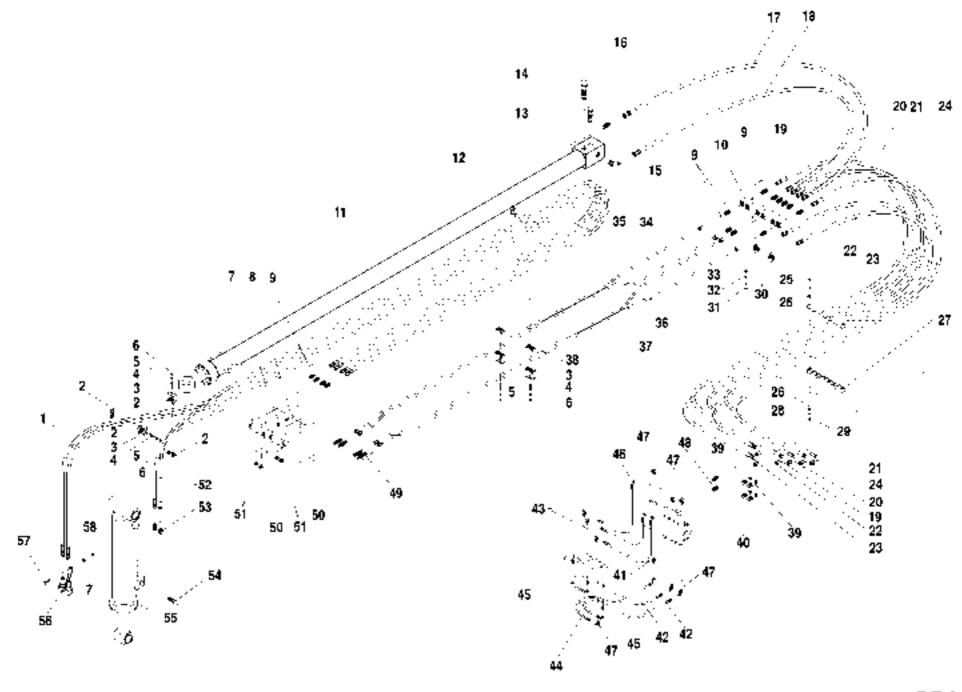


TEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	66724X	2	Hyd, Hose, 1/2" × 335"	35	P19248	6	90° Elbuw, O'Ring
2	37733X	4	Clamp Body, 5/8*	36	37821X	2	Hyd. Hose, 1/4" x 22'
3	37734 X	4	Clamp Cover	37	P18596	1	Connector, O-Ring
4	37735X	4	Capscrew, Hx. 5/16'-18 x 1 3/4"	- 38	66746X	1	Hyd. Hose, 5/8" x 45'
5	P01312	4	Lockwasher, 1/2*	39	65469B	4	Hyd Tube
ô.	P00407	4	Capscrew, Hx., 1/2"-13 × 2 1/4"	40	65944A	2	Manifold, Hydraulic
7	P16964	â	Connector, O-Aing	41	P27937	4	Plug, O-Hing
8	34848B	1	Cylinder, Bcom Extension	42	37853X	2	Hyd. Hose, 1/2" x 326"
			(See Page 5.8.1 for Breakdown)	43	P15406	2	Connector, O-Ring
9	P20465	4	Clamp, Hyd. Hose, 3/4"	44	P29947	1	Valve, Counterbalance, 15 GPM
10	P27827	1	Valve, Counterbalance - 30 GPM	AEF	P40484		Seal Kit for Item 44
TEF	P40491		Seal Kit for Item 10	45	65751B	1	Cylinder, Front Carriage Till
11	P30444	1	Valve, Counterbalance - 60 GPM				(See Page 5.11 1 for Breakdown)
TEF	P30927		Seal Kit for Item 11	46	60347B	1	Quick Coupler (Incl. dust caps & male connectors)
12	P17802	1	90° Elbow, O-Bing	47	P(X)404	1	Capsciew, Hx , 1/2'-13 × 1 1/2"
13	P17805	1	Connector, O-Ring	48	P01510	1	Nut. Hx., 1/2*/13
14	37852X	2	Hyd. Hose, 5/8' × 34'				
15	37849X	2	Hyd. Hose., 5/8" × 90"				
16	37848X	2	Hyd. Hose, 5/81 x 86"				
17	37727X	4	Band, Power Grip Heat Shrink				
18	37847X	2	Hyd. Hose, 1/2" × 91"				
19	P20468	4	Clamp, Hyd. Huse, 5/8"				
20	65463 B	2	Hyd. Tube, Boom				
21	P00013	4	Capscrew, Hx .1/4*-20 × 3"				
22	65482B	1	Hose Clamp, Multiple				
23	P01308	4	Lockwasher, 1/4				
24	P01506	4	Nut, Hx., 1/4"-20				
25	P27388	2	Connector, Tee				
26	66745X	1	Hyd. Hose, 5/8" × 36"				
27	66744X	1	Hyd. Hose, 5/8" x 45"				
28	66742X	1	Hyd. Hose, 1/2" × 53"				
29	37899X	1	Hyd. Hose, 1/2" × 471				
30	66743X	1	Hyd. Hose, 5/8" × 46"				
31	P16964	2	Connector, O-Aing	644D-3	54 S/N 108-18	io.	
32	P27384	2	Connector, O-Ring, (Long)				
33	P19836	1	Connector, O-Ring				
34	37298X	2	Hyd. Hose, 3/8" × 154"				



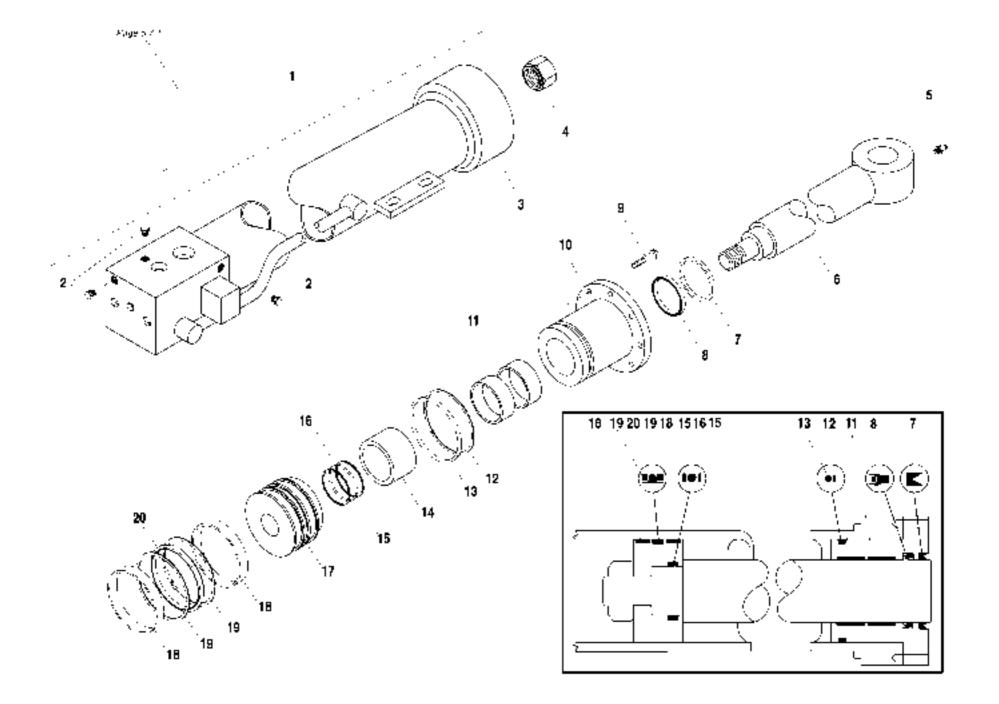
TEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	68117X	2	Hyd, Hose, 1/2" × 333"	35	69069B	1	Hyd Tube Bonm, R/S Outer
2	37732X	4	Clamp Body, 3/4*	36	69078B	1	Hyd. Tube, Boom, L/S Inner
3	37734 X	4	Clamp Cover	37	69079B	1	Hyd. Tube, Boarn, L/S Outter
4	68743A	4	Setscrew., 5/16'-18 x 2 1/2"	38	37733X	2	Clamp Body, 5/81
5	P01309	4	Lockwasher, 5/16*	39	P18964	2	Connector, O-Ring
6	P01507	4	Nut, Hx., 5/16*- 18	40	P27384	2	Connector, O-Ring. (Long)
7	P01312	4	Lockwasher, 1/2*	41	P18936	1	Connector, O-Ring
8	P00407	4	Capscrew, Hx., 1/2"-13 × 2 1/4"	42	37298X	2	Hyd Hose, 3/6" × 18'
9	P18964	9	Connector, O-Ring	43	P19248	6	90° Elbow, O-Ring
10	69052C	1	Manifold, Hydraulic	44	P30173	1	Hyd. Hese, 1/4" × 20'
11	34848B	1	Cylinder, Boom Extension	45	P30174	2	Hyd. Hose, 1/4" x 16'
			(See Page 5.8.1 for Breakdown)	46	37821X	1	Hyd Hose, 1/4" × 22'
12	P20465	4	Clamp, Hyd. Hose, 3/4"	47	P18935	3	90° Elbow, O-Ring
13	P27827	1	Valve, Counterbalance - 30 GPM	48	P18596	1	Connector, O-Ring
AEF -	P40491		Seal Kit for Item 13	49	68975A	4	Connector, Special
14	67580X	1	Valve, Counterbalance - 60 GPM	50	65944A	2	Manifold, Hydraulic
IEF	P30927		Seal Kit for Item 14	51	P27937	4	Plug, O-Ring
15	P17802	1	90° Elbow, O-Ring	52	68123X	2	Hyd. Hose, 1/2" × 326*
16	P17805	1	Connector, O-Ring	53	P15406	2	Connector. O-Ring
17	68109X	1	Hyd. Hose, 5/8" × 401	54	P27847	1	Valve, Counterhalance, 15 GPM
18	68110X	1	Hyd. Hose, 5/8' × 39'	REF	P40484		Seal Kit for Item 54
19	68984 6	1	Hyd. Hose, 5/8" × 128"	55	657518	1	Cylinder, Front Camage Till
20	68988 B	1	Hyd. Hose, 5/8" × 131"				(See Page 5.11.1 for Breakdown)
21	68987 B	1	Hyd, Hose, 5/8" × 135"	56	66347B	1	Quick Coupler (Inc), dust caps & male connectors)
22	68990B	1	Hyd. Hose, 5/8" × 125"	57	P00404	1	Capscrew, Hx., 1/2'-13 × 1 1/2"
23	68989B	1	Hyd. Hose, 5/8" × 127	58	P01510	1	Nut. Hx., 1/2*-13
24	68983B	1	Hyd. Hose, 5/8" × 135				
25	P00013	2	Capscrew, Hx 1/4"-20 x 3"				
26	P01402	2	Flatwasher, 1/41				
27	68972A	1	Hose Clamp, Multiple				
28	P01308	2	Lockwasher 1/4*				
29	P01506		Nut, Hx , 1/4"-20				
30	P18924	2	90° Elbow, O-Ring				
91	P00208	Э	Capscrew, Hx 3/8"-16 × 2"	644D-3	4 S/N 181-13	341	
32	P01310	Э	Lockwasher, 3/8*				
33	P01404	з	Flatwasher 3/81				
34	69068B	1	Hyd. Tube, Boom, R/S Inner				

BOOM HYDRAULIC CIRCUIT (3 Section) 5.7.1.1

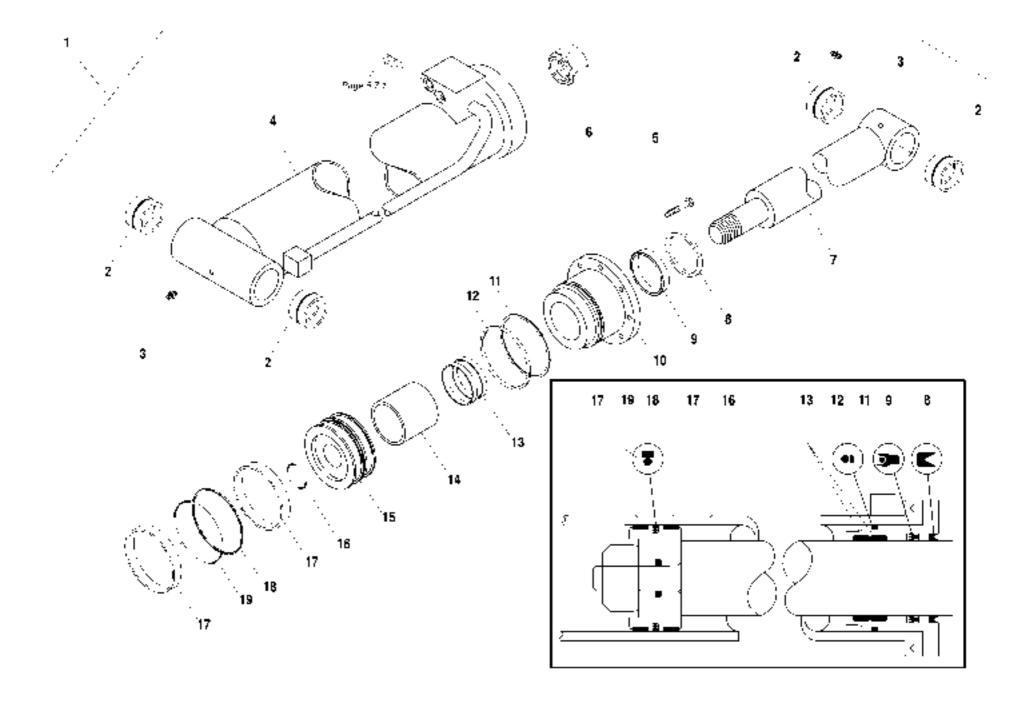


5.7.1.2 Rev 604

TEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	68117X	2	Hyd. Hose, 1/2" × 333"	35	69069B	1	Hyd Tube Bonm, R/S Outer
2	37732X	4	Clamp Body, 3/4*	36	69078B	1	Hyd. Tube, Boom, L/S Inner
3	37734 X	4	Clamp Cover	37	69079B	1	Hyd, Tube, Boam, L/S Outter
4	68743A	4	Setscrew., 5/16'-18 x 2 1/2"	38	37733X	2	Clamp Body, 5/81
5	P01309	4	Lockwasher, 5/16*	39	P18964	2	Connector, O-Ring
6	P01507	4	Nut, Hx., 5/16"- 18	40	P27384	2	Connector, O-Ring. (Long)
7	P01312	4	Lockwasher, 1/2*	41	P18936	1	Connector, O-Ring
8	P00407	4	Capscrew, Hx., 1/2'-13 × 2 1/4"	42	P32436	1	Hyd Hose, 3/6" × 18'
9	P18964	ý.	Connector, O-Ring	43	P19248	7	90° Elbow, O-Ring
10	69052C	1	Manifold, Hydraulic	44	37298X	1	Hyd Hese, 1/4" × 18'
11	34848B	1	Cylinder, Boom Extension	45	P18960	2	Connector, O-Ring
			(See Page 5.8.1 for Breakdown)	46	37821X	1	Hyd Hose, 1/4" × 22'
2	P20465	4	Clamp, Hyd. Hose, 3/4"	47	P18935	5	90° Elbaw, O-Ring
13	P27827	1	Valve, Counterbalance - 30 GPM	48	P18596	1	Connector, O-Ring
EF	P40491		Seal Kit for Item 13	49	68975A	4	Connector, Special
14	67580X	1	Valve, Counterbalance - 60 GPM	50	65944A	2	Manifold, Hydraulic
EF	P30927		Seal Kit for Item 14	51	P27937	4	Plug, O-Ring
5	P17802	1	90° Elbow, O-Ring	52	68123X	2	Hyd. Hose, 1/2" × 326"
6	P17805	1	Connector, O-Ring	53	P15406	2	Connector. O-Ring
7	68109X	1	Hyd. Hose, 5/8" × 401	54	P27847	1	Valve, Counterhalance, 15 GPM
18	68110X	1	Hyd. Hose, 5/8' × 39'	REF	P40484		Seal Kit for Item 54
19	68984 6	1	Hyd. Hose, 5/8" × 128"	55	657518	1	Cylinder, Front Camage Till
20	68988 B	1	Hyd. Hose, 5/8" × 131"				(See Page 5.11.1 for Breakdown)
21	68987B	1	Hyd. Hose, 5/8" × 135"	56	66347B	I.	Quick Coupler (Inc), dust caps & male connectors)
2	68990B	1	Hyd. Hose, 5/8" × 125"	57	P00404	1	Capscrew, Hx., 1/2'-13 × 1 1/2"
3	68989B	1	Hyd. Hose, 5/8" × 127	58	P01510	1	Nut. Hx., 1/2*-13
м –	68983B	1	Hyd. Hose, 5/8" × 135				
:5	P00013	2	Capscrew, Hx 1/4"-20 x 3"				
96	P01402	2	Flatwasher, 1/41				
27	68972A	1	Hose Clamp, Multiple				
8	P01308	2	Lockwasher 1/4"				
9	P01506		Nut, Hx , 1/4"-20				
0	P18924	2	90° Elbow, O-Ring				
<u>1</u> 1	P00208	з	Capscrew, Hx 3/8"-16 x 2"	644D-3	4 S/N 1342-		
92	P01310	З	Lockwasher, 3/8"				
13	P01404	3	Flatwasher 3/81				
34	69068B	1	Hyd. Tube, Boom, R/S Inner				



ITEM	PART NO.	<u>QTY,</u>	DESCRIPTION		
1	34848B	1	Cylinder Assembly, Boom Extension		R49 COC
2	P27993	4	O-Ring Plug		
3	68357X	1	Barrel Weldment		
4	P30667	1	Nut, Grownlock		
5	P16611	1	Grease Fifting		
6	68358X	1	Rod Assembly		
7	N.S.S	1	≢Wiper		
8	N.S.S.	1	*Seal		
9	68362X	8	Capscrew, Hx		
10	68361X	1	Head, Rod Bearing		
11	N.S.S.	2	≭ Wear Ring		
12	N.S.S.	1	≢Back-Up Ring		
13	NSS	1	≢Q-Bing		
14	68359X	1	Stroke Limiter		
15	N.S.S.	2	■Back-Up Ring		
16	N.S.S	1	≢O-Bing		
17	68360X	1	Piston		
18	N.S.S.	2	≢Wear Ring		
19	N.S.S.	2	≇B ack-Up Ring		
20	N.S.S.	1	*Piston Seal		
REF	68363X	٦	Seal Kit		
NOTES	s				
	- tems Included	in Seal	Kit.		
	-				
		N.5	S.S. = Not Sold Separately		
				644D-34 S/N 108-	1
					1
					1
					1
					1
			BOOM EXTENSION	CYLINDER ASSEMBLY (3 Section) 5.8.1	644D
			DOOMENTENSION		1

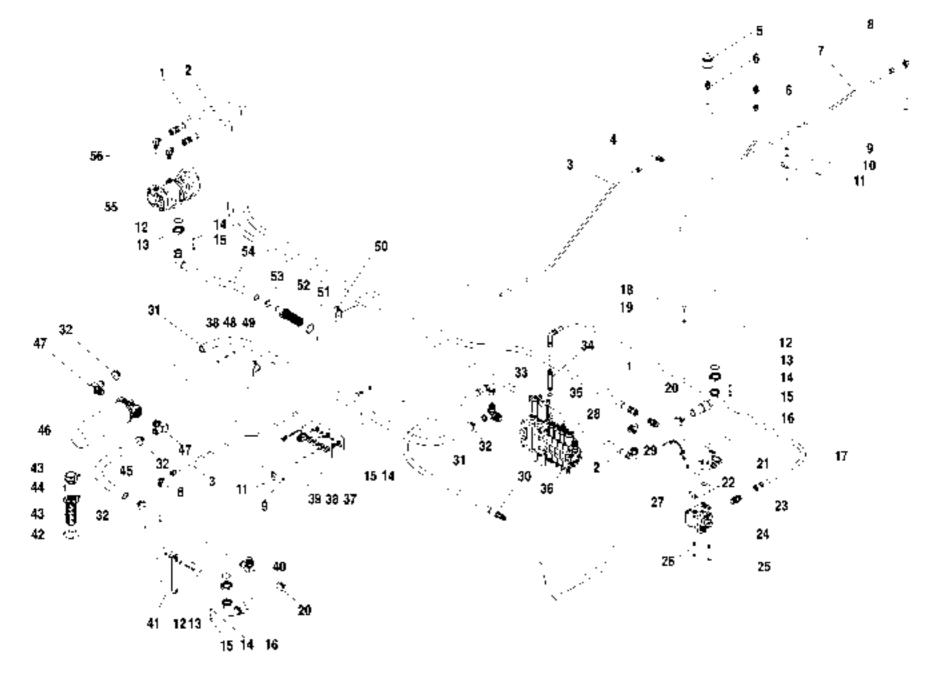


1 657316 1 Cylinder Assembly, Front Camage Till 3 P16611 2 Chease Fining 4 66350X 1 Barrel Wieldment 5 P40480 8 Capscrew, Hx 6 P27279 1 NuL, Crownlock 7 66351X 1 Rod Weldment 8 N.S.S 1 #Wriger 9 N.S.S 1 #Gad Weldment 8 N.S.S 1 #Oak J, Filing 11 N.S.S 1 #Oak J, Filing 12 N.S.S 1 #Orang 13 N.S.S 1 #Orang 14 66352X 1 Stroke Limmer 15 Psik74 1 Fiston 18 N.S.S 1 #O-Ring 19 N.S.S 1 #Oakup-Filing 13 N.S.S. 1	ITEM	PART NO.	<u>QTY.</u>	DESCRIPTION		
3 P16511 2 Grease Fitting 4 683250X 1 Barrel Weldment 5 P40460 8 Copborew, Hx 6 P27279 1 Nut, Crownlock 7 66351X 1 Rod Weldment 8 N.S.S 1 *twiger 9 N.S.S 1 *twiger 9 N.S.S 1 *twiger 10 P30674 1 Head, Rod Beaning 11 N.S.S 1 *tookup-Filing 12 N.S.S 1 *too-Filing 13 N.S.S 1 *too-Filing 14 68352X 1 Strike Limiter 15 P24727 1 Paton 18 N.S.S 1 *too-Filing 19 N.S.S 1 *too-Filing 19 N.S.S 1 *too-Filing 19 N.S.S 1 Seat.Wit NOTES: * Item s Included in Seat Kit. NS.5. = Nof Solif Separately B440-34 SiN 108 <td>1</td> <td>65751B</td> <td>1</td> <td>Cylinder Assembly, Front Carnage Till</td> <td></td> <td> Hev 505</td>	1	65751 B	1	Cylinder Assembly, Front Carnage Till		Hev 505
4 68350X 1 Barral Weldment 5 P40480 8 Oxporew, Hx 6 P2279 1 Nut, Crownlock 7 68351X 1 Rod Weldment 8 N.S.S 1 *Note Complexity 9 N.S.S 1 *Note Complexity 9 N.S.S 1 *Note Complexity 10 P20674 1 Head, Rod Beanng 11 N.S.S 1 *Urgent 13 N.S.S 1 *Urgent 14 6832X 1 Stroke Limiter 15 P24978 1 Picton 16 N.S.S 1 *Urgent 17 N.S.S 1 *Urgent 18 N.S.S 1 *Urgent 19 N.S.S 1 *Urgent 19 N.S.S 1 *Urgent NOTES: * Items Included in Seal Kit. NS.S. = Not Sold Separately 8/40-34 SiN 108	2	P19106	4	Bushing		
S P40460 8 Capsorew, Hx 6 P27279 1 Nut, Crownlock 7 66391X 1 Rod Weldment 8 N.S.S 1 #Wiper 9 N.S.S 1 #Wiper 9 N.S.S 1 #Wear-Ring 10 P30674 1 Head, Rod Bearng 11 N.S.S 1 #Datup-Ring 12 N.S.S 1 #O-Ring 13 N.S.S 1 #O-Ring 14 68352X 1 #O-Ring 15 P24976 1 Pstan 16 N.S.S 1 #O-Ring 17 N.S.S 1 #O-Ring 18 NS.S 1 #O-Ring 19 N.S.S 1 #O-Ring Ref P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N S.S. = Not Sold Separately B44D-34 S/N 103	3	P16611	2	Grease Fitting		
6 P27279 1 Nut, Grownlock 7 68351X 1 Rod Weldment 8 N.S.S 1 *Seal 10 P30674 1 Head, Rod Bearing 11 N.S.S 1 *Backup-Ring 12 N.S.S 1 *Backup-Ring 13 N.S.S 1 *O-Ring 14 68352X 1 Stroke Limiter 15 P24978 1 Piston 16 N.S.S 1 *O-Ring 17 N.S.S 1 *O-Ring 18 N.S.S 1 *O-Ring 19 N.S.S 1 *O-Ring 18 N.S.S 1 *O-Ring 19 N.S.S 1 *O-Ring Reit P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. NS.S. = Not Sold Separately 8440-34 SiN 103	4	68350X	1	Barrel Weldment		
7 68051X 1 Rod Weidment 8 N.S.S 1 #Wriger 9 N.S.S 1 #Seal 10 P30674 1 Head, Rod Bearing 11 N.S.S 1 #Backup-Ring 12 N.S.S 1 #Backup-Ring 13 N.S.S 2 #Wear-Ring 14 68352X 1 Stroke Limiter 15 P20#74 1 Float 16 N.S.S 1 #O-Ring 17 N.S.S 1 #O-Ring 18 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring Rei P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N.S.S. = Not Solit Separately 844D-34 S/N 108 844D-34 S/N 108 M.S.S. M.S.S.	5		8	Capscrew, Hx		
8 N.S.S 1 #Vriper 9 N.S.S 1 #Seal 10 P30674 1 Head, Roo Bearing 11 N.S.S 1 #Dackup-Ring 12 N.S.S 1 #O-Ring 13 N.S.S 1 #O-Ring 14 68352X 1 Stroke Limiter 15 P29878 1 Piston 16 N.S.S 1 #O-Ring 17 N.S.S 1 #O-Ring 18 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring Ret P30553 1 Seal Kit NOTES: * Items Included in Seal Kit. N.S.S. = Not Soln Separately B44D-34 8/N 108	6		1			
9 N.S.S 1 +Seal 10 P30674 1 Head, Rod Beaning 11 N.S.S 1 **Backup-Ring 12 N.S.S 1 **D-Ring 13 N.S.S 1 *D-Ring 14 66352X 1 Stroke Limiter 15 P20878 1 Piston 16 N.S.S 1 *O-Ring 17 N.S.S 1 *Moran Ring 18 N.S.S 1 *Moran Ring 19 N.S.S 1 *Moran Ring 19 N.S.S 1 *O-Ring Rei P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N.S.S. = Not Solit Separately P44D-34 S/N 108	1		1			
10 P30674 1 Head, Rod Bearing 11 N.S.S 1 WBackup-Ring 12 N.S.S 1 Houskup-Ring 13 N.S.S 2 #Wear-Ining 14 68352X 1 Stroke Limiter 15 P2w878 1 Picton 16 N.S.S 1 #O-Ring 17 N.S.S 1 #O-Ring 18 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring Rei P30653 1 Seal Kit	1		1	-		
11 N.S.S 1 #0ackup-Ring 12 N.S.S 1 #0-Ring 13 N S.S 1 #0-Ring 14 68352X 1 Piston 15 P24876 1 Piston 18 N.S.S 1 #O-Ring 17 N.S.S 1 #O-Ring 18 N.S.S 1 #Beckup-Ring 19 N.S.S 1 #O-Ring 18 N.S.S 1 #Beckup-Ring 19 N.S.S 1 #O-Ring Ref P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. NS.S. = Not Sold Separately NS.S. = Not Sold Separately B44D-34 S/N 108	1		1			
12 N.S.S 1 #O-Ring 13 N.S.S 2 #Wear-Ring 14 68352X 1 Stroke Limiter 15 P24878 1 Piston 16 N.S.S 1 #O-Ring 17 N.S.S 1 #O-Ring 18 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring Reit P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N.S.S. = Not Solid Separately 844D-34 S/N 108 #	1		1	-		
13 N S S 2 #Wear-Fung 14 68352X 1 Stoke Limiter 15 P9876 1 Piston 16 N.S.S 1 #C-Ring 17 N.S.S 1 #Eeckup-Ring 18 N.S.S 1 #Eeckup-Ring 19 N.S.S 1 #C-Ring 19 N.S.S 1 #C-Ring 19 N.S.S 1 #C-Ring Ret P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N S.S. = Not Sold Separately B44D-34 S/N 108	1		1			
14 68352X 1 Stroke Limiter 15 P24878 1 Piston 18 N.S.S 1 #O-Ring 17 N.S.S 1 #O-Ring 18 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring 19 N.S.S 1 #O-Ring Ref P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N S.S. = Not Sold Separately B44D-34 S/N 108	1		1	-		
15 P29878 1 Piston 16 N.S.S 1 #O-Ring 17 N.S.S 1 #Beckup-Ring 19 N.S.S 1 #O-Ring Ref P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N S.S. = Not Sold Separately B44D-34 S/N 108	13	NSS	2	*		
18 N.S.S 1 #O-Ring 17 N.S.S 1 #Backup-Ring 18 N.S.S 1 #Backup-Ring 19 N.S.S 1 #O-Ring Ref P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. NOTES: * Items Included in Seal Kit. N S.S. = Not Solit Separately B44D-34 S:N 108	1		1			
17 N.S.S 1 #Backup-Ring 18 N.S.S 1 #Backup-Ring 19 N.S.S 1 #O-Ring Ref P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. NOTES: * Items Included in Seal Kit. N S.S. = Not Solid Separately B44D-34 S/N 108	1		1			
18 N.S.S 1 *Beckup-Ring 19 N.S.S 1 *O-Ring Ret P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. NOTES: * Items Included in Seal Kit. N S.S. = Not Solid Separately 844D-34 S/N 108	1		1			
19 N.S.S. 1 #Q-Ring Ref P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N S.S. = Not Solid Separately 8440-34 S/N 108	1		1	-		
Rei P30653 1 Seal Kit NOTES: * Items Included in Seal Kit. N S.S. = Not Sold Separately 8440-34 S/N 108	18		1	≉B ackup-Ring		
NOTES: * Items Included in Seal Kit. N S.S. = Not Sold Separately 8440-34 S/N 108	19	N.S.S	1	· · · · · · · · · · · · · · · · · · ·		
Items Included in Seal Kit. N S.S. = Not Solid Separately B44D-34 S/N 108	Ref	P30653	1	Seal Kit		
FRONT CARRIAGE TILT CYLINDER ASSEMBLY 5.11.1			in Seal I		844D-34 S/N 108	
				FRONT CARE	RIAGE TILT CYLINDER ASSEMBLY 5.11.1	644D

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Section 6 — Pump, Suction - Return and Valve Plate Components

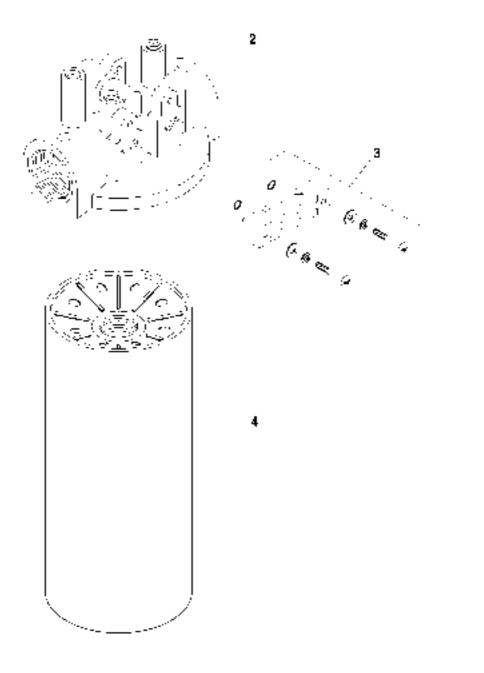
Pump, Suction - Return Hydraulic Circuit			611
Hydraulic Return Fifter Assembly		 	6.2.1
Selector Valve Assembly		 	6.3.1
Pump Assembly		 	6 4.1
Hydraulic Control Valve Assembly		 	6.5.1
Valve Section Assembly (Boom)		 	6.6.1
Valve Section Assembly - Transfer/Auxiliary/F	Frame Tilt	 	6.7.1
Valve Section Assembly - Carriage Fork Tilt		 	6.8.1
Relief Valve Assembly		 	6.9.1
Relief Valve Assembly Mid Inlet		 ε	5.10.1
Filter Mounting Block Asembly		 e	5.11.1



6.1.1 Rev 604

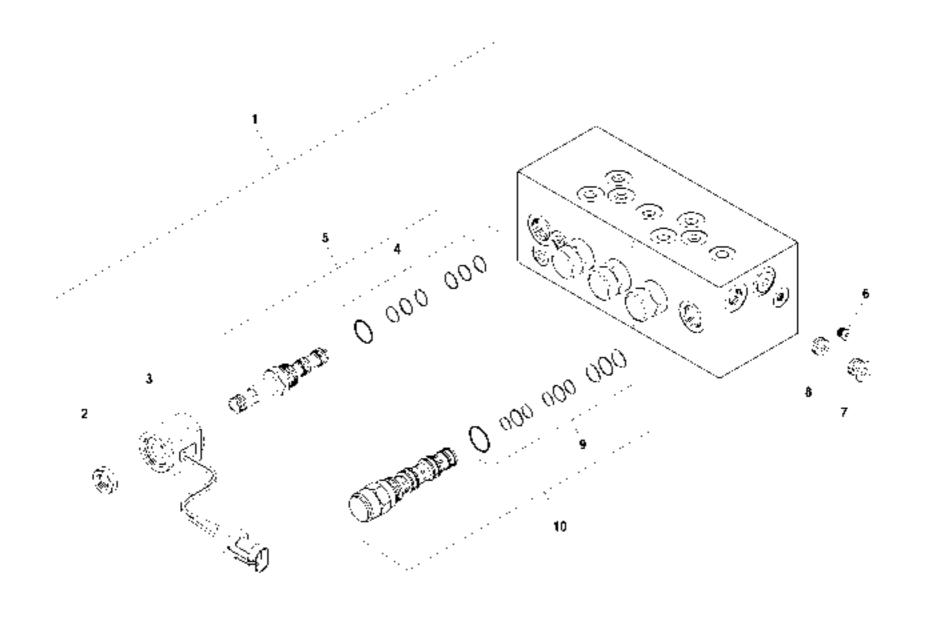
	PART NO.	QTY.	DESCRIPTION	TEM	PART NO.	QTY.	DESCRIPTION	
1	37193X	1	Hyd. Hose, 3/4" × 981	36	67028B	1	Valve, Mid-Iniel 6 Section	Hev. (J
2	P26621	1	Hyd. Hose, 3/4" × 112"				(See Pages 6.5.1–6.10.1 for Breakdown)	
3	66927 B	1	Hydraulic Tube, Breather Front	37	65597C	1	Valve, Selecter (See Page 6.2.1 for Breakdown)	
4	P18952	1	90° Connector	38	P01309	5	Lockwasher 5/16'	
5	39022A	1	Breather, Hydraulic Tank	39	P00125	2	Capscrew, Hx , 5/16*-18 × 4 1/4*	
6	P18944	1	Connector	40	38985A	1	Elbaw	
7	66926 B	1	Hydraulic Tube, Breather, Rear	41	P27809	1	Sight Gauge, Hydraulic Oil	
8	P21173	2	90° Connector	42	68088X	2	Gasket	
9	P01506	2	Nut, Hx , 3/8"-16	43	678918	1	Filler Cap/ Strainer Assembly	
10	P01310	2	Lockwasher, 3/8"				(Includes Item 42- 44)	
11	P30249	2	Clamp	44	P03541	6	Tapping Screw, Slotted Rd, Hd, 10-32 × 1/2"	
12	P12971	2	O-Bing	45	66444X	1	Hose, 1 1/2" O.D., 16" Long	
13	14315A	4	Flange, Half	46	37710X	1	Return Filter (See Page 6.2.1 for Breakdown)	
14	P01312	11	Lockwasher, 1/2"	47	38985A	3	90° Adapter, O-Ring	
15	P00404	11	Capscrew, Hx. 1/2*-13 × 1 1/2*	4H	P00112	2	Capscrew, Hx , 5/16*-18 × 3"	
16	66507A	2	Hose, Suction Frame	49	37696X	1	Cushion Clamp, 1 3/4"	
17	P18922	1	Hyd. Hose, 3/4" × 24"	50	37000X	2	Cushion Clamp, 1-1/8"	
18	P00202	з	Capscrew, Hx., 3/8"-16 × 3/4"	51	37698X	1	O-Ring	
19	P01310	6	Lockwasher, 3/8'	52	67783A	I	Strainer, Hyd	
20	67592X	4	Clamp, Hose, High Torque (Replaces P14043)	53	67593X	1	Hose Clamp	
21	67680C	٦	Valve Filter Mounting	54	66754X	1	Hyd Hose, Suction	
			(See Page 6 11.1 for Breakdown)	55	67787D	1	Pomp, Hydraulic	
22	P40659	2	O-Bing				(See Page 6.4.1 for Breakdown)	
23	P17805	1	Adapter, O-Bing	56	P17802	2	90° Elbuw, O-Ring	
24	66922C	1	Velve, Priority Charge				-	
HEF	37083X	-	Repair Kit, Phonty Charge Valve					
25	P01826	2	Capscrew, Socket Hd., 3'8"-16 × 3"					
26	P01822	2	Capscrew, Socket Hd , 3/8"-16 × 2"					
27	P22254	1	O-Bing					
28	P19055	1	Connector, O-Aing					
29	P17805	1	Adapter, O-Ring					
30	66756X	1	Hyd. Hose,					
31	66443X	1	Hyd. Hose, 1 1/2" × 57"					
32	P14043	4	Hose Clamp	844D-3	4 S/N 108			
33	67743B	1	Adapter, Tee					
34	39537A	1	Adapeter (Long)	1				
35	10728957	1	O-Ring	1				

PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT 6.1.1 644D

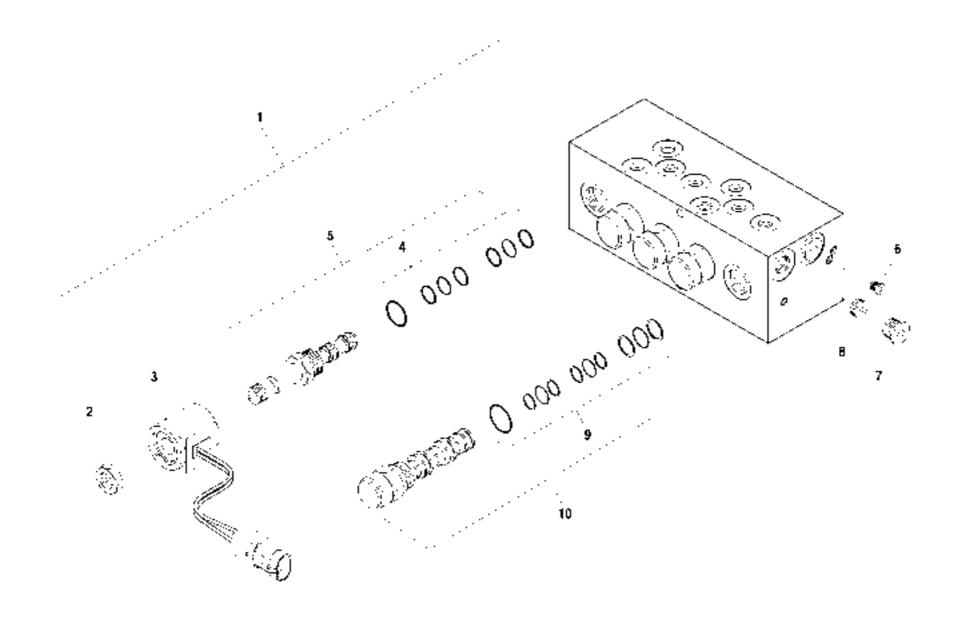


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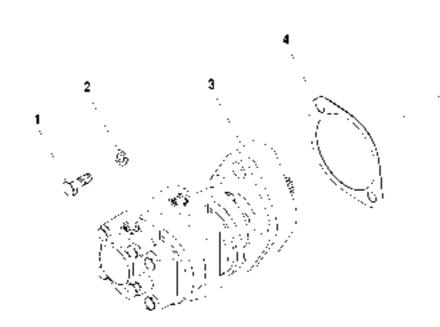
<u>ITEM</u>	PART NO.	<u>QTY.</u>	Y. DESCRIPTION	
1	37710X	1	Return Filter Assembly	Rev COC
2	N.S.S.	1	•	
3	68378X	1	Indicator Assembly (Includes Mounting Hardwear)	
4	68379X	1	Filter	
		Nβ	N S.S. = Not Sold Separately	
			644D-34 S/N 108	
				644D
			HYDRAULIC RETURN FILTER ASSEMBLY	6.2.1



1 95397C 1 Selector Valve 2 PA052 1 Nut 3 3829A 1 Coli 4 37353X 1 Selector Valve 6 P27031 4 Plug Holow Hex, SAE #2 7 P27933 4 Plug Holow Hex, SAE #2 8 37571X 4 Onlife Plug 9 37005X 4 Sael Kin 10 37764X 4 Valve. Piloted. 3-Way B44D-34 S.N 108-1341	ITEM	PART NO.	QTY.	DESCRIPTION		
2 P40682 1 Nut 3 393284 1 Coul 4 37355X 1 Seal Kit 5 37328X 1 Solenoid Valve 6 P27933 4 Plug, Hollow Hex, SAE #2 7 P27933 4 Plug, Hollow Hex, SAE #2 8 373754 4 Vinice Plug 9 37105X 4 Seal Kit 10 37764X 4 Valve, Pilloted, 3-Way 10 37764X 4 Valve, Pilloted, 3-Way	1		1			Rev (05
3 38329A 1 Col 4 37355X 1 Seal Ki 5 37352X 1 Solenold Valve 6 P27331 4 Plug, Holow Hex, SAE #2 7 P27333 4 Drug, Holow Hex, SAE #4 8 37571X 4 Online Plug 9 37005X 4 Seal Ki 10 37764X 4 Valve, Piloted, 3-Way 10 377754X 4 Valve, Piloted, 3-Way	2		1			
4 37352X 1 Sela Kii 5 37352X 1 Solenoid Valve 6 P27331 4 Plug, Hollow Hex, SAE #2 7 P27337X 4 Driftee Plug 9 37105X 4 Sela Kii 10 37754X 4 Valve, Piloted, 3-Way			1			
5 37392X 1 Solenoid Valve 6 P27931 4 Plug. Hollow Hex, SAE #2 7 P27933 4 Plug. Hollow Hex, SAE #4 8 37571X 4 Otifice Plug 9 37105X 4 Seal Kit 10 37764X 4 Valve. Pilloted. 3-Way			1			
6 P2733 4 Plug, Hollow Hex, SAE #2 7 P27933 4 Plug, Hollow Hex, SAE #4 8 37571X 4 Orifice Plug 9 37005X 4 Seal Kit 10 37764X 4 Valve. Piloted. 3-Way E44D-34 S/N 108-1341			1			
7 P2933 4 Plug, Holcov Hex, SAE #4 8 37571X 4 Onifice Plug 9 37005X 4 Seal Kit 10 37764X 4 Valve, Piloted, 3-Way 8 377764X 4 Valve, Piloted, 3-Way 9 37005X 4 Seal Kit 10 37764X 4 Valve, Piloted, 3-Way 8 644D-34 S/N 108-1341 644D-34 S/N 108-1341			4			
8 37571X 4 Onlice Plug 9 37005X 4 Seal Kit 10 37764X 4 Valve, Piloted, 3-Way 644D-34 StN 108-1341						
9 37/05X 4 Seal Kit 10 37764X 4 Valve. Piloted. 3-Way 644D-34 StN 108-1341						
10 37764X 4 Valve. Piloted. 3-Way						
B44D-34 S/N 108-1341						
					EAAD DA CALINO INTI	ł
SELECTOR VALVE ASSEMBLY 6.3.1					0440-04 8/N 100-1341	
SELECTOR VALVE ASSEMBLY 6.3.1						
SELECTOR VALVE ASSEMBLY 6.3.1						
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SELECTOR VALVE ASSEMBLY 6.3.1						644D
					SELECTOR VALVE ASSEMBLY 6.3.1	▼

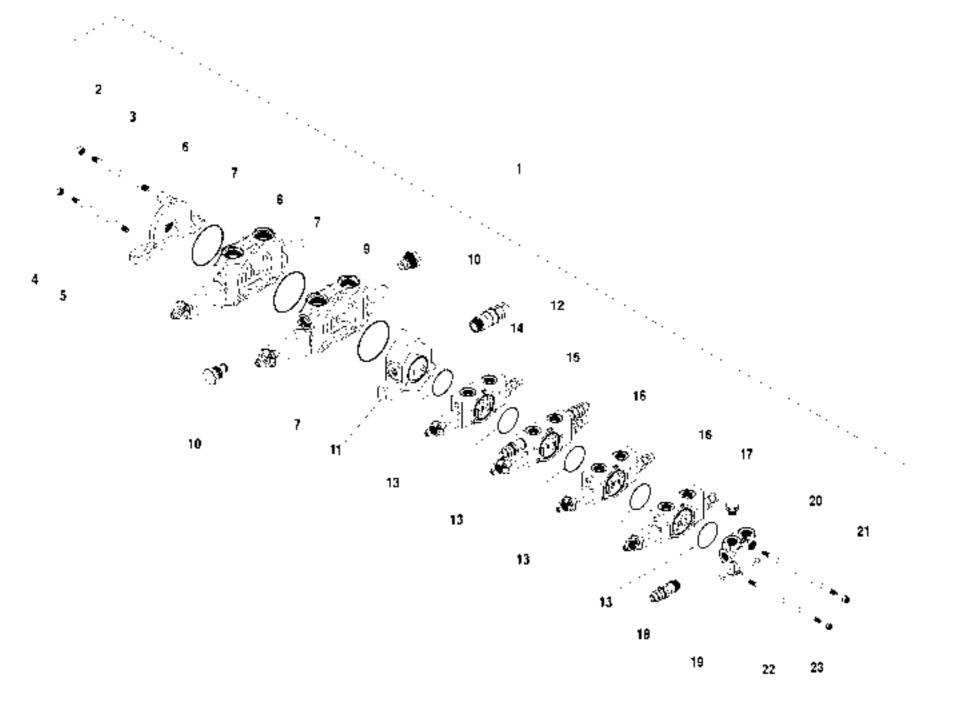


ITEM	PART NO.	QTY.	DESCRIPTION		_
1	1100051	1	Selector Valve		Rev 005
2	P40662	1	Nut		
3	38329A	1	Coil		
4	37355X	1	Seal Kit		
5	37352X	1	Salenoid Valve		
6	P27931	4	Plug. Hollow Hex, SAE #2		
7	P27933	4	Plug, Hollow Hex, SAE #4		
8	37571X	4	Orifice Plug		
9	1100339	4	Seal Kit		
10	1100372	4	Valve, Piloted, 3-Way		
1.2		•			
					ł
				544D-34 S/N 1342-	
				SELECTOR VALVE ASSEMBLY 6.3.1.1	644D
				SELECTOR VALVE ASSEMBLY 0.3.1.1	



4.

ITEM	PART NO.	QTY.	DESCRIPTION		_
1	P00409	2	Capscrew, Hx = 1/2"-13 x 2 3/4"		Rev 030
2	P01312	2	Lockwasher, 1/2"		
3	67787D	1	Pump, Hydraulic		
4	P19921	1	Gasket (Replaces 67522X O-Ring)		
					ł
				644D-34 S/N 108-	
					644D
				PUMPASSEMBLY 6.4.1	04412

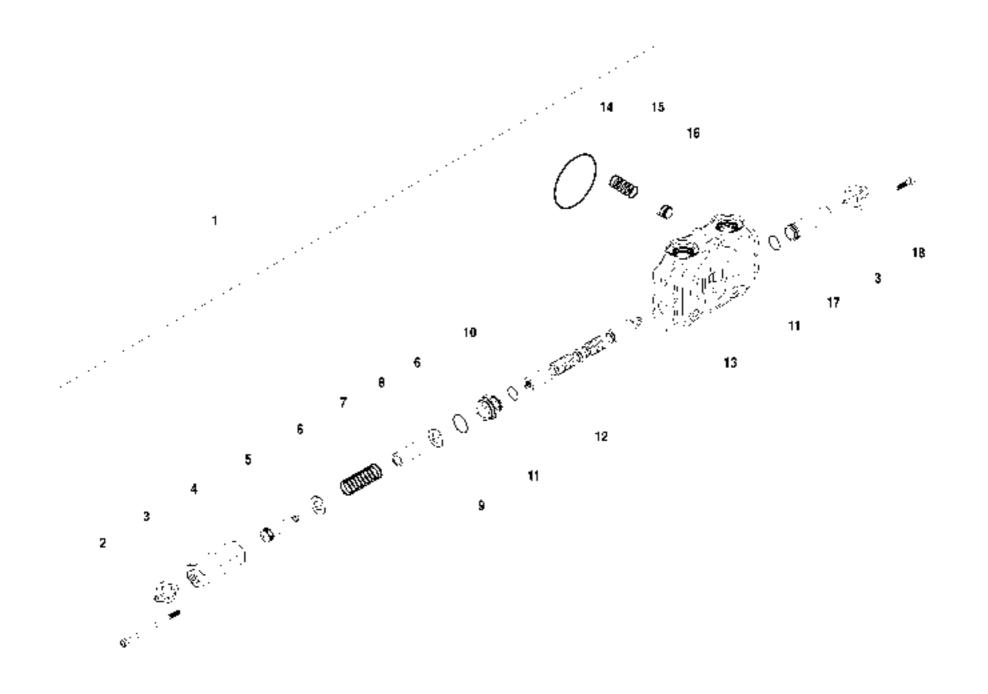


ITEM	PART NO.	QTY.	DESCRIPTION	
1	670288	1	6 Section Mid-Inlet Valve Assembly	
2	P05029	1	Locknut, Hx., 1/2'-20, Grade C	
3	37909X	1	Tie Rod, 1/2*-20	
4	P05028	2	Locknut, Hx., 7/16"-20, Grade C	
5	37910X	2	Tie Rod, 7/16/-20	
6	37902X	1	Outlet Section	
7	P91782	3	Q-Bing	
8	37908X	1	Valve Section Assembly - Boom Extension	
			(See Page 6.6.1 for Breakdown)	
9	37907X	1	Valve Section Assembly - Boom Hoist	
			(See Page 6.6.1 for Breakdown)	
10	37963X	2	Shut-Olf Plug	
11	3790TX	1	Mid-Inlet Section	
12	37952X	1	Relief Valve Assembly	
			(See Page 6 10 1 for Breakdown)	
13	37923X	0	O-Ring	
14	37904X	з	Valve Section Assembly - Frame Tilt	
			(See Page 6.7.1 for Breakdown)	
15	37906X	1	Valve Section Assembly - Camage Fork Tilt	
			(See Page 6.9.1 for Breakdown)	
16	37905X	2	Velve Section Assembly - Transfer/Auxilliery	
			(See Page 6.7.1 for Breakdown)	
17	P15447	1	O-Ring Plug, Hex	
18	37951X	1	Relief Valve Assembly	
			(See Page 6.9.1 for Breakdown)	
19	37900X	1	Inlet Section	
20	37919X	1	Tie Rod, 3/8'-24 (For 6 Section Velve)	
21	P05027	1	Locknut Hx., 3/8*-24 Grade C	
22	37913X	2	Tie Rod, \$/16'-18 (For 6 Section Valve)	
23	P05001	2	Locknut Hx., 5/16"-18 Grade C	

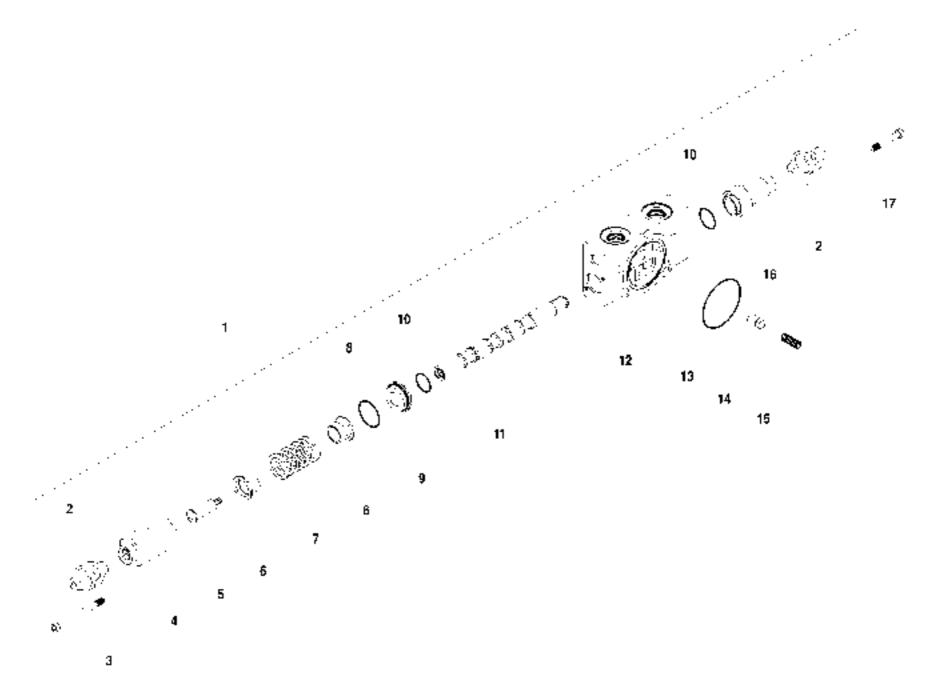
NOTES:

S Required for 6 Section Valve.

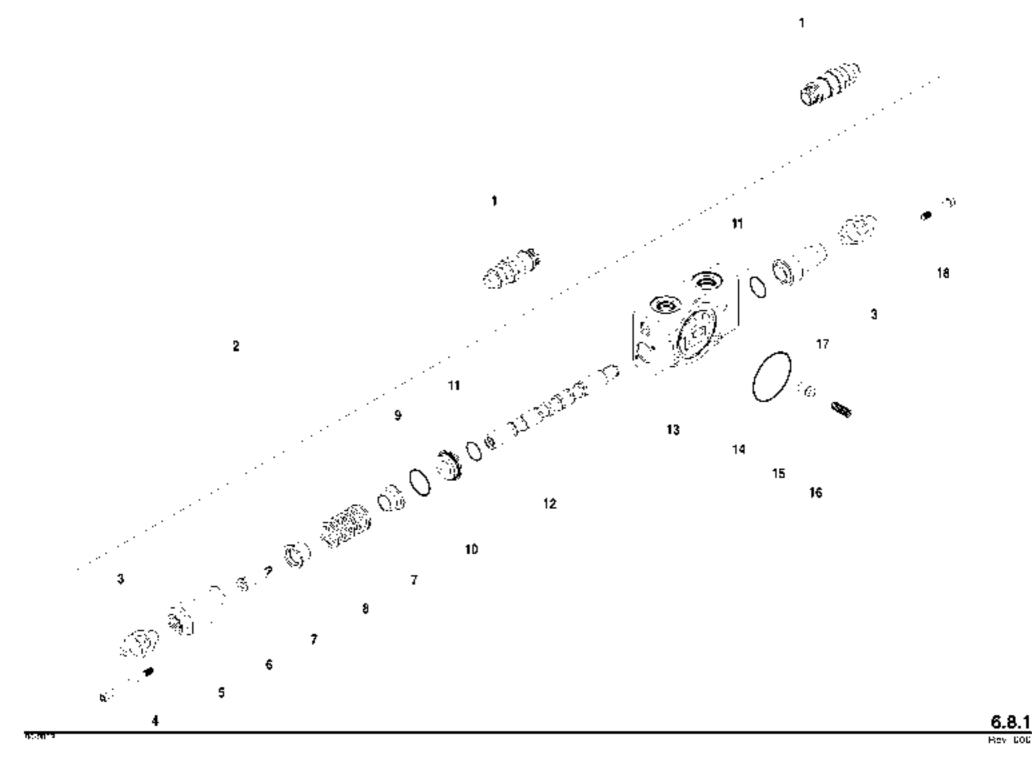
644D-34 S/N 108-



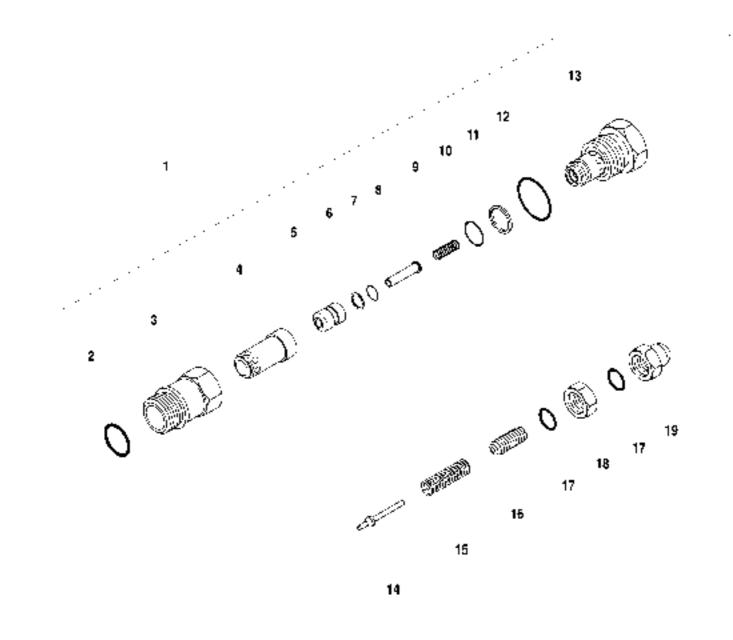
ITEM	PART NO.	QTY.	DESCRIPTION		
1	37907X	-	Valve Section Assembly - Boom Hoist		nev 000
	37908X	-	Valve Section Assembly - Boom Extension		
2	P01756	2	Colpscrew, Socket Hd = 1/4*-20 × 4-1/2*		
з	P32927	2	Retainer		
4	P32929	1	Cap, Spool		
5	P21701	1	Shoulder Bolt, Socket Hd., 1/2" Dia, × 2"		
5	P91776	2	Washer, Flat		
7	P91777	1	Spring		
8	P91778	1	Spacer		
9	P32931	1	O-Ring		
10	P32930	1	Retainer, Speol Cap		
11	P91781	2	O-Ring		
12	N.S.S	1	Spool		
13	N.S.S	1	Housing		
14	P91782	1	O-Ring		
15	P91783	1	Spring		
16	P91784	1	Poppet		
17	P32928	1	Cap, Spool		
18	P01755	2	Capscrew, Socket Hd., 1/41-20 × 11		
			N S.S. = Not Sold Separately		
				644D-34 S/N 108	
			V	ALVE SECTION ASSEMBLY - Boom 6.6.1	644D



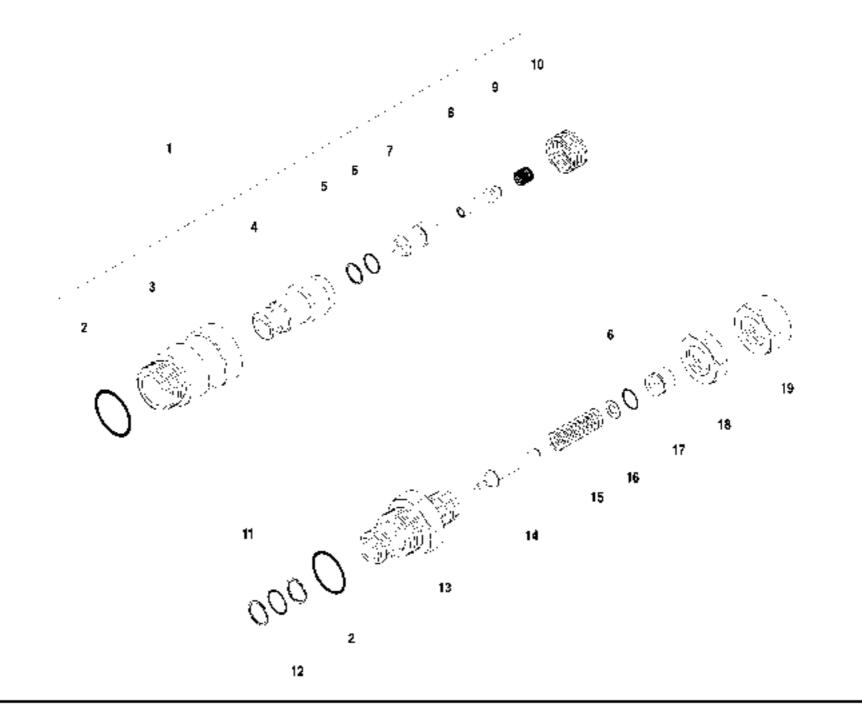
ITEM	PART NO.	QTY.	DESCRIPTION		-
1	37905X		Valve Section Assembly - Transfer/Auxiliary] Dev. (0)
	37904X	-	Valve Section Assembly - Frame Tilt/Outriggers		
2	37962X	2	Plate, Seal		
3	P01763	2	Capscrew, Socket Hd., 1/4*-20 × 3*		
4	37960X	1	Cap, Spool		
5	37964X	1	Spool End		
5	37965X	2	Seat, Spring		
7	37941X	1	Spring		
8	37924X	1	Q-Ring		
9	37963X	1	Retainer, Spool Cap		
10	37925X	2	Q-Ring		
11	N.S.S.	1	Spool		
12	N.S.S	1	Housing		
13	37923X	1	O-Fling		
14	37929X	1	Poppet		
15	37937X	1	Spring		
16	37961X	1	Cap, Speel		
17	P01757	2	Capscrew, Socket Hd., 1/4*-20 × 1 1/2*		
			N.S.S. = Not Sold Separately		
				844D-34 S/N 108	
		۱.	ALVE SECTION ASSEMBL	Y - Auxiliary/ Transfer/ Frame Tilt 6.7.1	644



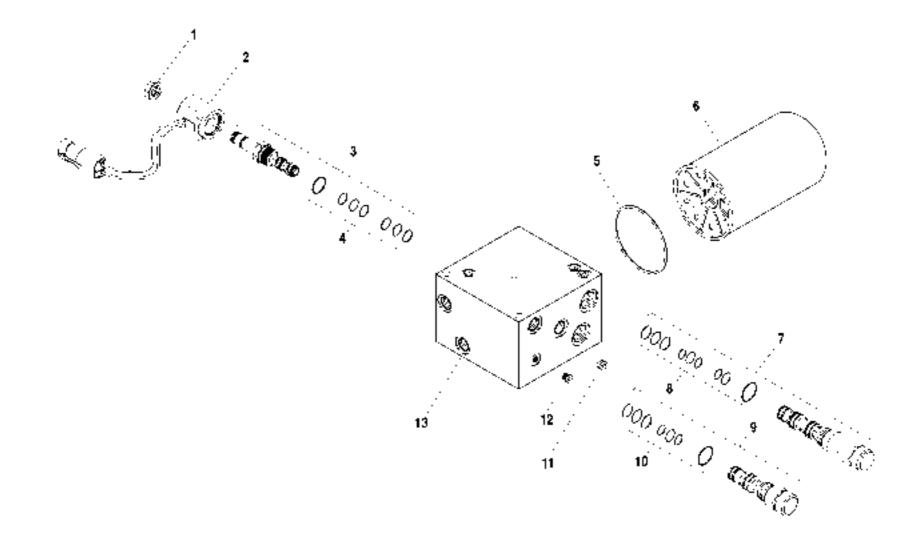
ITEM	PART NO.	QTY.	DESCRIPTION		
1	37950X	2	Rellet Valve Assembly		0ev (0
			(See Page 6.9.1 for Breakdown)		
2	3790 6 X		Valve Section Assembly - Carriage Fork Tilt		
			(Includes Items 3 - 18)		
3	37962X	2	Plate, Seal		
4	P01763	2	Capscrew, Socket Hd., 1/4*-20 × 3*		
5	37960X	1	Cap. Speel		
ô	37964X	1	Spool End		
7	37965X	2	Seat, Spring		
8	37941X	1	Spring		
9	37924X	1	O-Bing		
10	37963X	1	Retainer. Spool Cap		
11	37925X	2	O-Bing		
12	N.S.S	1	Spool		
13	N.S.S	1	Housing		
14	37923X	1	Ó-Ring		
15	37929X	1	Poppet		
16	37937X	1	Spring		
17	37961X	1	Cap, Speel		
18	P01757	2	Capscrew, Socket Hd., 1/4*-20 × 1 1/2*		
			N.S.S. = Not Sold Separately		
			N.G.O NOLDOID DEPENDING		
				844D-34 S/N 108)
			VALVE SECT	ION ASSEMBLY - Carriage Fork Tilt 6.8.1	6441



ITEM	PART NO.	QTY.	DESCRIPTION		
1	37950X	2	Rellet Valve Assembly - 2600 P.S I.		nev 000
	37951X	1	Relief Valve Assembly - 3150 P.S.I.		
2	37928X	1	O-Filing		
з	37946X	1	Body		
4	37932X	1	Poppet		
5	37931X	1	Poppet		
5	37944X	1	Back-up Ring		
7	37926X	1	O-Ring		
8	37947X	1	Piston		
9	37938X	1	Spring		
10	P91796	1	O-Ring		
11	37943X	1	Back-up Ring		
12	37927X	1	O-Ring		
13	37945X	1	Plug		
14	37930X	1	Poppet		
15	37936X	1	Spring		
16	37942X	1	Screw, Adjustment		
17	P91805	2	O-Ring		
18	P91806	1	Nut, Special		
19	P91607	1	Nut, Special		
₽ E F	37948X	1	Seal and Spring Kil (Includes Items 2, 6, 7, 9, 10, 11, 12, 15, 17)		
				644D-34 S/N 108	
				RELIEF VALVE ASSEMBLY 6.9.1	644D



ITEM	PART NO.	QTY.	DESCRIPTION		
1	37952X	1	Rellet Valve Assembly		Hev LOC
2	P91791	2	O-Fling		
3	P91792	1	Body		
4	37935X	1	Poppet		
5	P91795	1	Back-up Ring		
6	P91796	2	O-Fling		
7	37933X	1	Poppet		
8	37967X	1	Piston		
9	P91798	1	Spring		
10	37940X	1	Spring		
11	P91800	1	Back-up Ding		
12	P91799	1	O-Ring		
13	37958X	1	Plug		
14	37934X	1	Poppet		
15	37939X	1	Spring		
16	37959X	A/R	Shim		
17	37954X	1	Plug. Adjustment		
18	37958X	1	Nut, Special		
19	37955X	1	Nut, Special		
REF	37949X	1	Seal and Spring Kit		
	STANAN	'	(includes items 2, 5, 6, 9, 10, 11, 12, 15)		
			(10,000,000,000,00,00,00,00,00,00,00,00,0		
					4
				844D-34 S/N 108	
					644D
			RELIE	F VALVE ASSEMBLY - MID INLET 6.10.1	



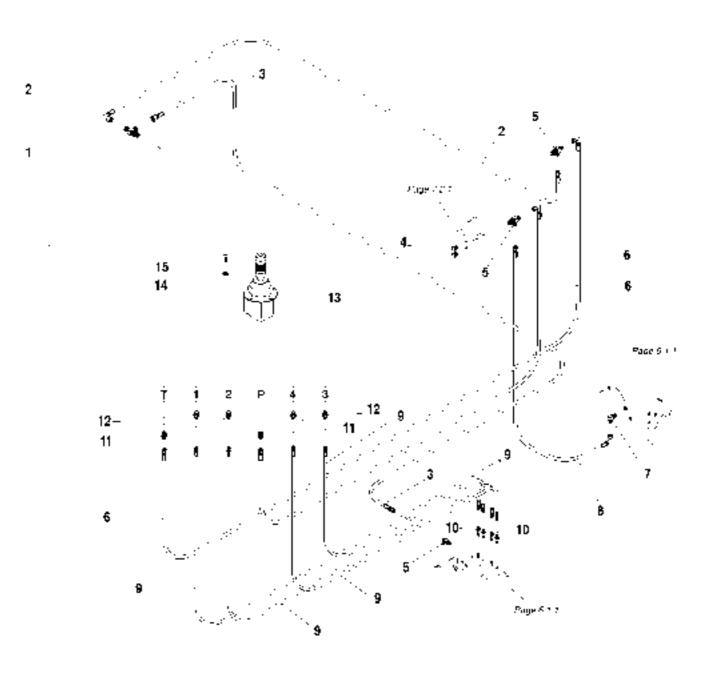
ITEM	PART NO.	QTY.	DESCRIPTION	
1	P40662	1	Nul	Hev
2	38329A	1	Coil Assembly	
3	37352X	1	Solenoid Valve	
4	37355X	1	Seal Kit	
5	1100331	1	Seal, Filter	
6	67527X	1	Filter Element, Spin On	
7	37002X	1	Valve Pressure Reducing	
8	37003X	1	Səal Kit	
9	37004 X	1	Valve, Piloted, 9-Way	
10	37005X	1	Seal Kil	
11	67528X	1	Orifice Plug	
12	P27931	5	Hex Plug, Hollow SAE #2	
13	N.5.S.	-	Filter Block Assembly	
				844D-34 S/N 108
				FILTER MOUNTING BLOCK ASSEMBLY 6.11.1

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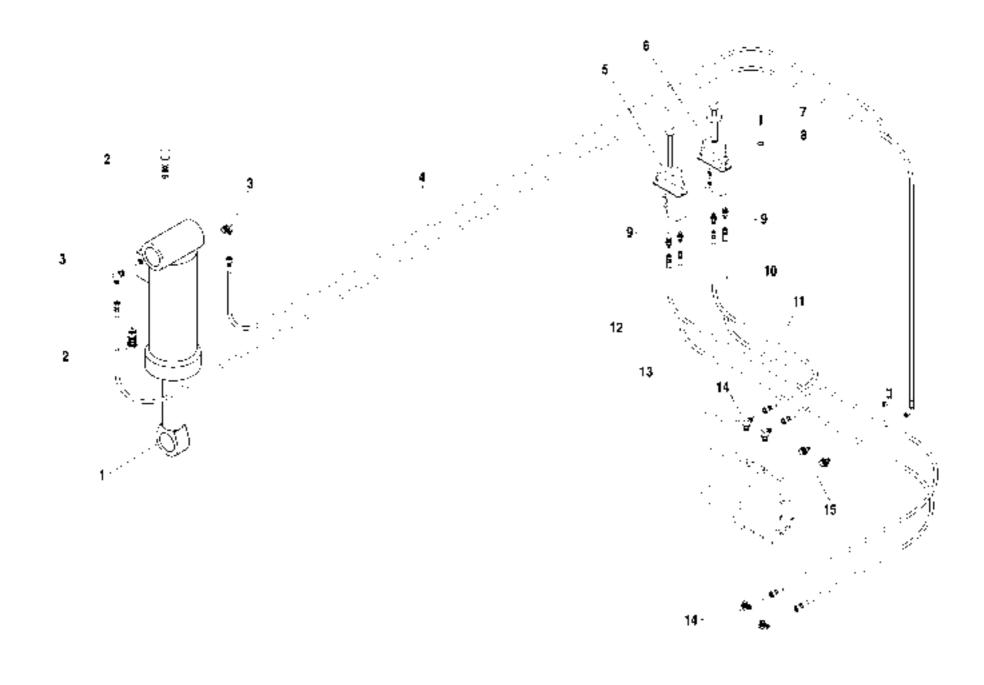
Section 7 — Control Hydraulics

Joystick Control Hydraulic Circuit	1.1
Frame Tilt & Auxilliary Hydraulic Circuit	2.1
Test Port Hydrautics Circuit	3.1
Joystick Control Valve Assembly 7.	.4. 1
Frame Tilt Control Valve Assembly	5.1
Auxilliary Control Valve Assembly	6.1
Frame Tilt Cylinder Assembly	7.1

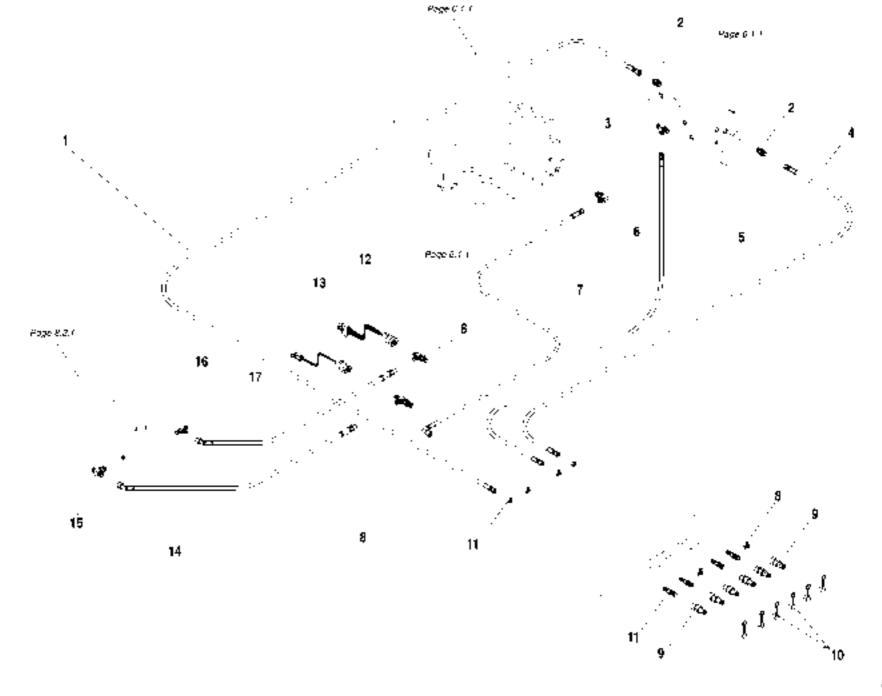
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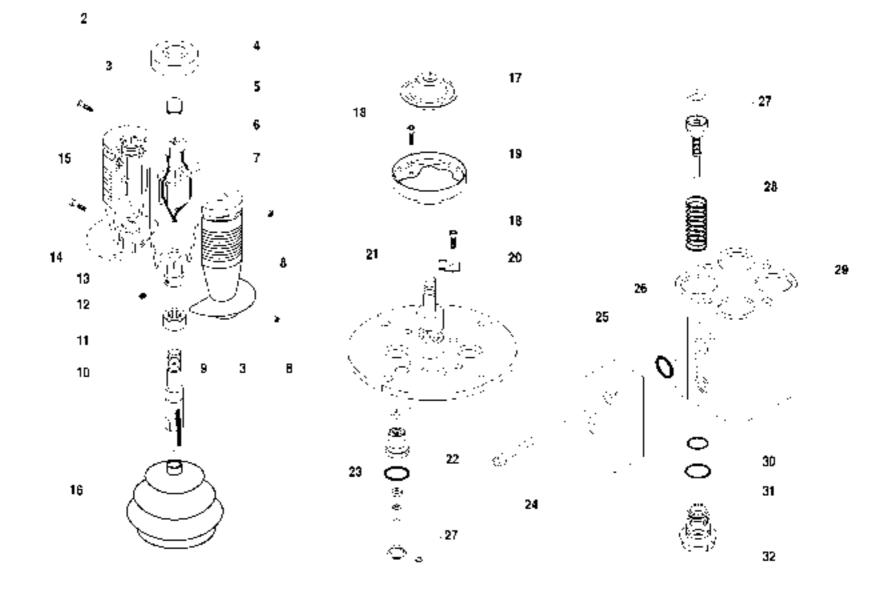
ITEM	PART NO.	QTY.	DESCRIPTION		
1	P21219	1	Adapter, Tee		Hev. 000
2	66737X	1	Hyd. Hose, 3/8' × 38'		
3	P29768	1	Hyd, Hose, 3/8" × 161		
4	P25691	2	Plug, O-Ring		
5	P21914	Э	Tee Run, O-Ring		
6	P33059	2	Hyd. Hose, 1/4" × 22"		
7	P16935	1	90" Elbow, O-Aing		
8	P29195	1	Hyd. Hose, 3/8" × 22 '		
9	37874X	4	Hyd. Hose, 3/8* × 231		
10	P28146	4	Connector, O-Ring (Long)		
11	P18996	2	Connector, O-Ring		
12	P24612	2	Connector, O-Ring		
13	65474 B	1	Joystick Control Valve		
			(See Page 7 4.1 for Breakdown)		
14	P01357 P03196	4	Starwasher, 1/4" External Capscrew, Button Hd. Sucket, 1/4"/20 × 3/4"		
				644D-34 S/N 108-	
					644D
			JOYSTIC	K CONTROL HYDRAULIC CIRCUIT 7.1.1	1



ITEM	PART NO.	QTY.	DESCRIPTION		
1	65213 6	1	Cylinder, Frame Tilt		Rev COC
			(See Page 7.7.1 for Breakdown)		
2	P29947	2	Cartridge, Counterbalance Valve		
REF	P40490	-	Seal Kit for Item 2		
3	P19724	2	90" Elbow		
4	37877X	2	Hyd. Hose, 1/4" × 125"		
5	65848 B	1	Control Valve, Auxillary		
			(See Page 7.6.1 tor Breakdown)		
-6	P31443	1	Control Valve, Frame Tilt		
			(See Page 7.6.1 for Breakdown)		
7	P03196	4	Capscrew, Button Hd. Socket, 1/4*-20 x 3/4*		
8	P01357	4	Starwasher, 1/4" External		
9	P24612	4	Connector, O-Bing		
10	37875X	1	Hyd. Hose, 1/4" × 28"		
11	P25852	1	Hyd. Hose, 1/4" × 19"		
12	37876X	1	Hyd. Hose, 1/4" × 21 '		
13	P29152	1	Hyd. Hose, 1/4" × 30"		
14	P18935	4	90° Elbow, O-Ring		
15	P25697	2	Connector, O-Ring		
				CAAD DA CALADO	ł
				644D-34 S/N 108-	
					644D
			FRAME HLL/	AUXILLIARY HYDRAULIC CIRCUIT 7.2.1	



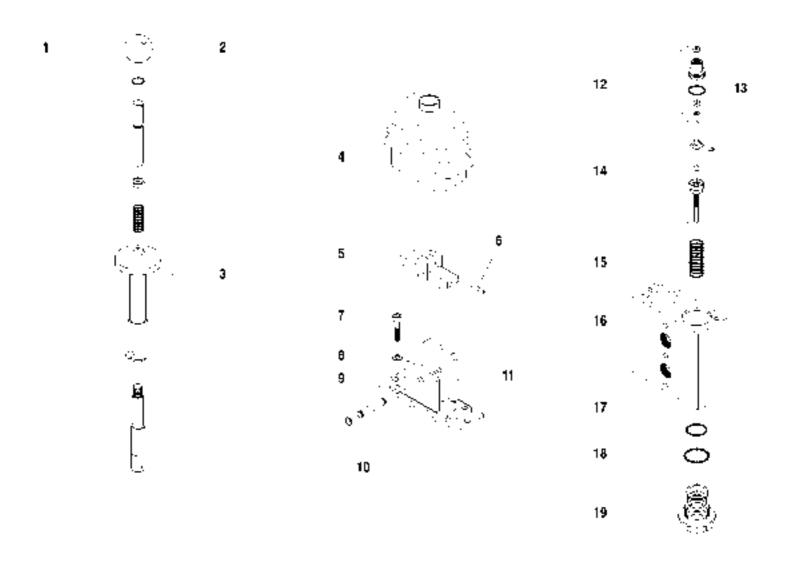
1 P23001 1 Prop. Files 3 P26604 1 Run. Tee 4 66733X 1 Hyd. Hose, 1/4* x 66* 5 P2164 1 Hyd. Hose, 1/4* x 66* 6 P26609 1 90* Elbow 7 P2662 1 Hyd. Hose, 1/4* x 26* 8 P23302 2 Tes. Bulkhead 9 P27374 8 En Tuhe, Nyple 10 P27805 8 Dust Cap 11 P18948 4 Connector, Bulkhead 12 6660A 1 Switch, Pressure-D.P.S.T. Normally Closed, A50 P.S.I. Low Brake Pressure 67062A Switch, Pressure-S.P.S.I. Normally Closed, A50 P.S.I. Lew Brake Pressure 677062 67062A Switch, Pressure-S.P.S.I. Normally Open, 250 P.S.I. Backe Pressure 250 P.S.I. Lew Wadway Lipts 14 66773A 1 Hyd. Hose, 3/8* x 13* 15 P1895 Tee, Branch, O-Ring 16 P21918 Tee, O-Hing 17 P25872 1 Hyd. Hose, 3/8* x 23* 1 8440-34 S/N 108 8440-34	ITEM	PART NO.	QTY.	DESCRIPTION		
3 P26604 1 Pkn, Tee 4 66733X 1 Hyd, Hose, 1/4* x 26* 5 P27164 1 Hyd, Hose, 1/4* x 22* 8 P26302 2 Tee, Buikhead 9 P27374 4 End Tune, Nipple 10 P27805 8 Dusit Cap 11 P16948 4 Connector, Buikhead 12 66680A 1 Switch, Pressure-D.P.S.T. Normally Open. 12 66680A 1 Switch, Pressure-D.P.S.T. Normally Open. 13 66731X 1 Hyd. Hose, 38* x 15* 14 66731X 1 Hyd. Hose, 38* x 15* 15 P16985 Tee, Branch O-Ring 1 16 P21915 Tec. O-Hing 1 17 P25972 1 Hyd. Hose, 38* x 23* 844D-34 S/N 108 844D-34 S/N 108 844D-34 S/N 108	1	P25861	1	Hyd, Hose, 1/4" x 41"		Nev Co
4 66733X 1 Hyd. Hose, 1/4' x 26' 5 P27184 1 Hyd. Hose, 1/4' x 22'' 7 P26525 1 Hyd. Hose, 1/4' x 22'' 8 P25021 Tes. Bulkhead 9 9 P27374 8 End Tule, Nipple 10 P27805 8 Dusl Cap 11 P14984 4 Connector, Bulkhead 12 66580A 1 Switch, Pressure D.P.S.T. Normally Closed, BibS P.S.I. Low Brake Pressure 13 0607DA 1 Switch, Pressure S.P.S.T. Normally Open, 250 P.S.I. Brake Pressure 13 0607DA 1 Switch, Pressure S.P.S.T. Normally Open, 250 P.S.I. Brake Pressure 14 66731X 1 Hyd. Hose, 3/8' x 15'' 15 P18985 Tee, Branch O-Ring 16 P21918 Tee, O-Ring 17 P25872 1 Hyd. Hose, 3/8' x 23' 8440-34 SiN 108 8440-34 SiN 108	2	P18936	1	Connector, O-Ring		
5 P2164 1 Hyd. Hoe, 14' x 19' 6 P24609 1 90' Elbow 7 P2652 1 Hyd. Hoe, 14' x 22'' 8 P25302 2 Tee. Bulkhead 9 P27305 8 Dusl Cap 10 P27805 8 Dusl Cap 11 P1H948 4 Connector, Bulkhead 12 66680A 1 Switch, Pressure-D.P.S.T. Normally Closed, R50 P.S.I Low Brake Pressure 13 06670A 1 Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I Law Brake Pressure 67082A - Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I Law Brake Pressure 67082A - Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I Law Brake Pressure 14 66731X 1 Hyd. Hose, 3/8' x 15'' 15 P18985 Tee. Branch O-Ring 17 P25872 1 Hyd. Hose, 3/8'' x 23' 84D-34 S/N 108 84D-34 S/N 108	3	P25604	1	Run, Tee		
6 P24609 1 90° Elbow 7 P26625 1 Hyd. Hose, 14° x22° 8 P2532 2 Tes. Bulkhead 9 P27374 4 End Tune, Npple 10 P27805 8 Dusl Cap 11 P1H946 4 Connector, Bulkhead 12 66680A 1 Switch, Pressure-DP.S.T. Normally Closed, A50 P.S I Low Brake Pressure 13 66670A 1 Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I Brake Pressure 13 66671X 1 Hyd. Hose, 38° x 15° 14 66731X 1 Hyd. Hose, 38° x 23° 15 P1895 Tee. Branch O-Ring 17 P25872 1 Hyd. Hose, 38° x 23° 844D-34 S/N 108 844D-34 S/N 108	4	66733X	1	Hyd. Hose, 1/4" x 26"		
7 P26823 1 Hyd. Hose, 14" x22" 8 P26302 2 Tee. Bulkhead 9 P27305 8 Dust Cap 10 P27805 8 Dust Cap 11 P11948 4 Connector, Bulkhead 12 66680A 1 Switch, Pressure-D.P.S.T. Normally Closed, 650 P.51 Low Brake Pressure 13 06670A 1 Switch, Pressure-S.P.S.T. Normally Open, 250 P.51 Lise witch Roawy Lights 14 66731X 1 Hyd. Hose, 38" x 15" 15 P18985 Tee. Branch O-Ring 16 P21918 Too. O-King 17 P25872 1 Hyd. Hose, 38" x 23" 844D-34 S/N 108 844D-34 S/N 108	5	P27164	1	Hyd, Hose, 1/4" x 19"		
8 P25302 2 Tes, Buikhead 9 P27334 A End Tuhe, Nipple 10 P27805 B Dust Cap 11 P14948 4 Connector, Buikhead 12 66080A 1 Switch, Pressure-S, P.S.T. Normally Closed, 650 P.S.I Low Brake Pressure 13 06070A 1 Switch, Pressure-S, P.S.T. Normally Open. 250 P.S.I Brake Pressure 67062A Switch, Pressure-S, P.S.T. Normally Open. 250 P.S.I Use w: Roadwey Lights 14 66731X 1 15 P18995 Tee, Brach O-Ring 16 P21918 Toc, O-Hing 17 P25872 1 Hyd. Hose, 3/8" x 23' 844D-34 8/N 108	6	P24609	1	90° Elbow		
9 P27374 # End Tuhe, Nipple 10 P27805 # Dusi Cap 11 P1986 4 Connector, Buikhean 12 66680A 1 Switch, Pressure-D.P.S.T. Normally Open. 250 P.S.I Brake Pressure 13 06079A 1 Switch, Pressure-S.P.S.T. Normally Open. 250 P.S.I Brake Pressure 260 P.S.I. Use w: Roadwey Lights 14 66731X 1 14 66731X 1 Hyd. Hose, 3/8" x 15" 15 P 19985 Tee. Branch C-Ring 16 P21918 Toc. 0-Fing 17 P25872 1 Hyd. Hose, 3/8" x 23" 844D-34 S/N 108 844D-34 S/N 108	7	P26625	1	Hyd, Hose, 1/4" x22"		
10 P2895 8 Dusl Cap 11 P14948 4 Connector, Bulkhead 12 66880A 1 Switch, Pressure-D.P.S.T. Normally Closed, R50 P.S.I Low Brake Pressure 13 66670A 1 Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I Brake Pressure 67062A - Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I Use w: Roadway Lights 14 66731X 1 Hyd. Hose, 38° x 15° 15 P19985 Tee, Branch O-Ring 16 P21918 Toe, O-Ring 17 P25872 1 18 Hyd. Hose, 3/8° x 23°						
11 P1B948 4 Connector, Bulkhead 12 6680A 1 Switch, Pressure-D.P.S.T. Normally Closed, ASD P.S.I. Erwis Pressure 13 0607DA 1 Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I. Brake Pressure 67062A - Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I. Use w: Roadway Lights 14 66731X 1 Hyd. Hose, 38° x 15° 15 P18985 Tee. Branch O-Fring 16 P21918 Teo. O-Ring 17 P25872 1 Hyd. Hose, 3/8° x 23° 844D-34 S/N 108 B44D-34 S/N 108	9	P27374	Ĥ	End Tube, Nipple		
12 66680A 1 Switch, Pressure-D.P.S.T. Normally Closed, 650 P.S. I Low Brake Pressure 13 06670A 1 Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I. Brake Pressure 67062A Switch, Pressure-S.P.S.T. Normally Open, 250 P.S.I. Use w/ Roadway Lights 14 66731X 1 Hyd. Hose, 38* x 15* 15 P18985 Tee, Branch O-Ring 16 P21918 Too: O-Hing 17 P25872 1 Hyd. Hose, 38* x 23* 844D-34 S/N 108 844D-34 S/N 108	10		8	•		
13 06079A 1 Switch, Pressure-S.P.S.T. Normally Open. 250 P.S.I Brake Pressure 67062A - Switch, Pressure-S.P.S.T. Normally Open. 250 P.S.I Use wi Roadway Lights 14 66731X 1 Hyd. Hose, 38" x 15" 15 P18985 Tee. Branch O-Ring 16 P21913 Toc. O-Ring 17 P25872 1 Hyd. Hose, 38" x 23" 844D-34 S/N 108 844D-34 S/N 108	1		4			
13 06679A 1 Switch, Pressure-S.P.S.T. Normally Open. 250 P.S.I. Brake Pressure 67062A Switch, Pressure-S.P.S.T. Normally Open. 250 P.S.I. Use wit Roadway Lights 14 66731X 1 Hyd. Hose, 3/8" x 15" 15 P18985 Tee. Branch O-Ring 16 P21918 Toe. O-Ring 17 P25872 1 Hyd. Hose, 3/8" x 23" 844D-34 S/N 108 844D-34 S/N 108	12	66680A	1	-		
250 P.S.I Brake Pressure 67062A Switch, Pressure-S.P.S.T. Normally Open. 250 P.S.I Use w: Roadwey Lights 14 66731X 1 Hyd. Hose, 38" x 15" 15 P18985 Tee. Branch O-Ring 16 P21918 Tec. O-Ring 17 P25872 1 Hyd. Hose, 38" x 23" B44D-34 S/N 108						
67062A Switch, Pressure-S.P.S.T. Normally Open. 250 P.S.I. Use w: Roadway Lights 14 66731X 1 15 P18985 Tee. Branch O-Ring 16 P21918 Toc. O-Ring 17 P25872 1 Hyd. Hose, 3x8" x 23" 844D-34 S/N 108	13	66679A	1			
250 P.S I Use w Roadway Lights 14 66731X 1 Hyd. Hose, 38" x 15" 15 P18985 Tee. Branch O-Ring 16 P21918 Toe. O Hing 17 P25872 1 Hyd. Hose, 38" x 23" 844D-34 8/N 108						
14 66731X 1 Hyd. Hose, 3/8" x 15" 15 P18985 Tee. Branch O-Ring 16 P21918 Toc. O-Ring 17 P25872 1 Hyd. Hose, 3/8" x 23" 844D-34 S/N 108		67062A	•			
15 P18985 Tee. Branch O-Ring 16 P21918 Toe. O-Ring 17 P25872 1 Hyd. Hose, 3/8' x 23' 844D-34 S/N 108						
16 P21918 Tec. O-Ring 17 P25872 1 Hyd. Hose, 3/8" x 23" B44D-34 S/N 108			1	-		
17 P25872 1 Hyd. Hose, 3/8" x 23" B44D-34 S/N 108	1			_		
844D-34 S/N 108				-		
	17	P25872	1	Hyd. Hose, 3/8° x 23°		
					844D-34 S/N 108	[
TESTOORT HVDRAULUC CIRCUIT 7.2.1						
					TESTPORT HYDRAULIC CIRCUIT 7.3.1	6441



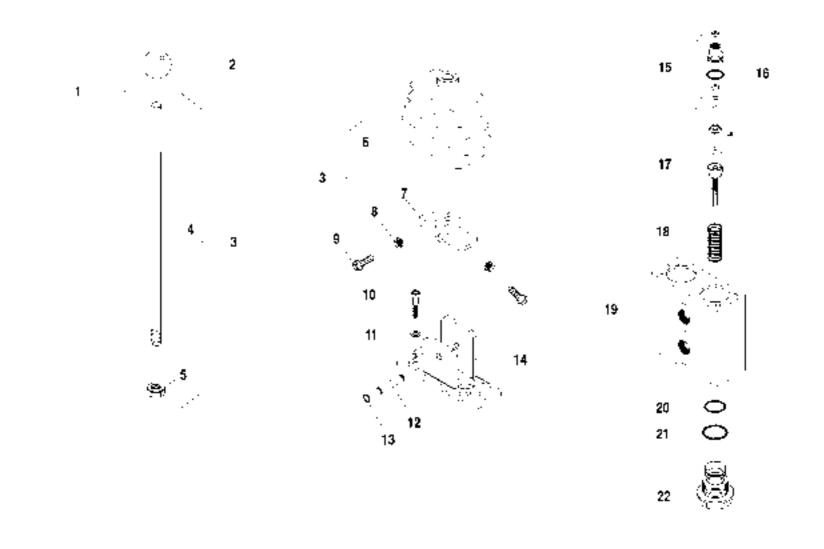
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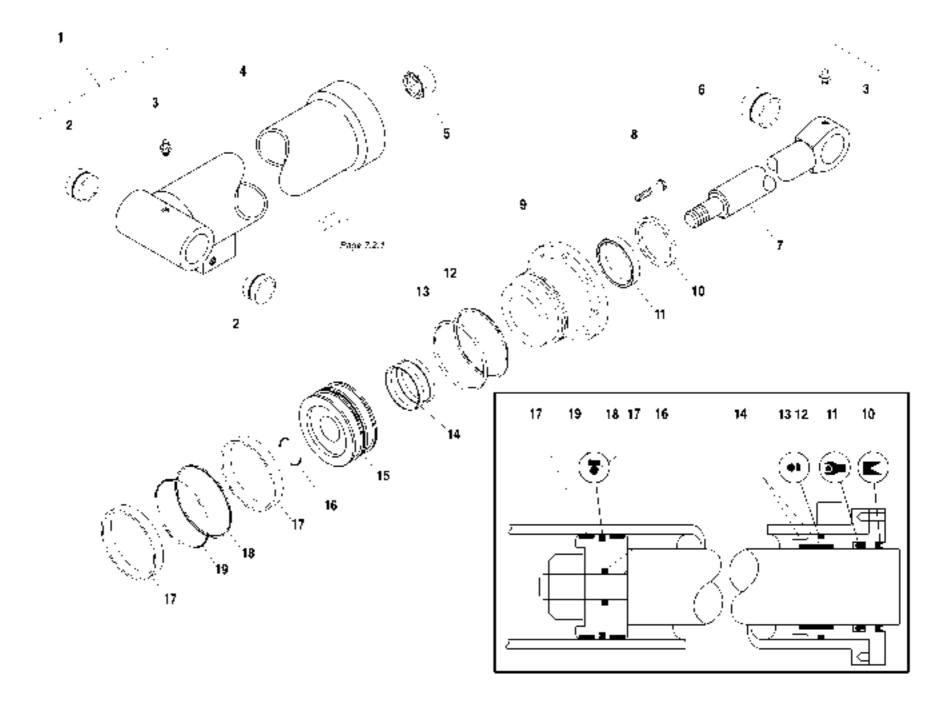
ITEM	PART NO.	QTY.	DESCRIPTION	ITEM PART NO. GTY. DESCRIPTION
1	654748	1	Joystick Control Valve	Re
2	P32693	1	Handle Assembly (Includes Items 3–15)	REF P32578 1 Seal Kit (Includes Items 23, 26, 30, 31)
3	P33095	2	Handle, Half	
4	P31489	1	Сар	
5	P32206	1	Button, Push	
G	P31698	1	Switch	NOTES:
7	NS.S	2	Guide	Available in Hardware Kit P31487.
8	0N.S.S.	4	Nut	 Available in Seal Kit P32578.
9	NS.S	1	Leverstoint	
10	N.S.S.	1	Slem	
11	ON S.S.	1	Locknut	
12	0N.S.S.	1	Selscrew	
13	N.S.S	2	Seal	
14	0N.S.S.	2	Capscrew, Socket Hd.	
15	ON S.S.	2	Capscrew, Socket Hd	
16	P31477	1	Bool	
17	P33094	1	Cam	N.S.S. = Not Sold Separately
18	P31472	6	Capscrew, Socket Hd	
19	P32204	1	Retainer	
20	P32205	4	Сію	
21	P31473	1	Flange	
Z2	P31462	4	Guide Assembly	
23	0N.S.S.	1	O-Ring	
24	P31475	3	Capscrew, Socket Hd	
25	P32203	1	Manifold	
26	ON S.S	1	O-Hing	
27	P32201	1	Spring Pack	
28	P32215	4	Spring	
29	N.S.S.	1	Body	
30	ØNIS.S	4	O-Bing	
31	@N.S.S.	4	O-Fling	
32	P32202	4	Ported Guide	
				844D-34 S/N 108
REF	P31487	۱	Hardware Kit, Joystick Handle (Includes items 8, 11, 12, 14, 15)	



ITEM	PART NO.	QTY.	DESCRIPTION		
1	P31443	1	Frame Tilt Control Valve Assembly		Rev 030
2	P32543	1	Клов		
3	P32545	1	Level Assembly		
4	P32544	1	Boot, Rubber		
5	P32546	1	Cam (Includes Item 6)		
6	P32547	1	Pin		
7	P32548	4	Capscrew		
8	P32549	- 4	Washer		
9	P31463	1	Pivot Pin (Includes Item 10)		
10	P31464	2	Cirelip		
11	P32209	1	Flange		
12	P31462	2	Guide Assembly		
13	N.S.S	1	O-Ring		
14	P32201	2	Spring Pack		
15	P31474	2	Spring		
16	N.S.S	1	Body		
17	N.S.S	2	O-Ring		
18	N.S.S	2	O-Ring		
19	P32202	2	Ported Guide		
REF	P33168	1	Seal Kit (Includes liems 13, 17, 18)		
			N.S.S. = Not Sold Separately		
				844D-34 S/N 108	
					6440
			FRAME	TILT CONTROL VALVE ASSEMBLY 7.5.1	



ITEM	PART NO.	QTY.	DESCRIPTION		
1	P31444	2	Auxiliary Control Valve Assembly		Hev. 000
2	P32543	1	Knob		
3	P32207	1	Lever Kill (Includes Items 4-9)		
4	P32211	1	Lever		
5	P32212	1	Nut, Metric		
6	P32544	1	Boot, Rubber		
7	P32208	1	Cam		
8	P32213	2	Jam Nut. Metric		
9	P32214	2	Capscrew		
10	P32548	4	Capscrew. Socket Hd.		
11	P32549	4	Washer		
12	P31463	1	Pivot Pin (Includes Item 10)		
13	P31464	2	Circlip		
14	P32210	1	Flange		
15	P31462	1	Guide Assembly		
16	N.S.S	1	O-Ring		
17	P32201	1	Spring Pack		
18	P32215	1	Spring		
19	N.S.S	1	Body		
20	N S.S	1	O-Hing		
21	N.S.S	1	O-Ring		
22	P32202	1	Ported Guide		
REF	P33168		Seal Kit (Includes Items 16, 20 & 21)		
			N.S.S. = Not Sold Separately	644D-34 S/N 108-	
			AUXILL	ARY CONTROL VALVE ASSEMBLY 7.6.1	6441



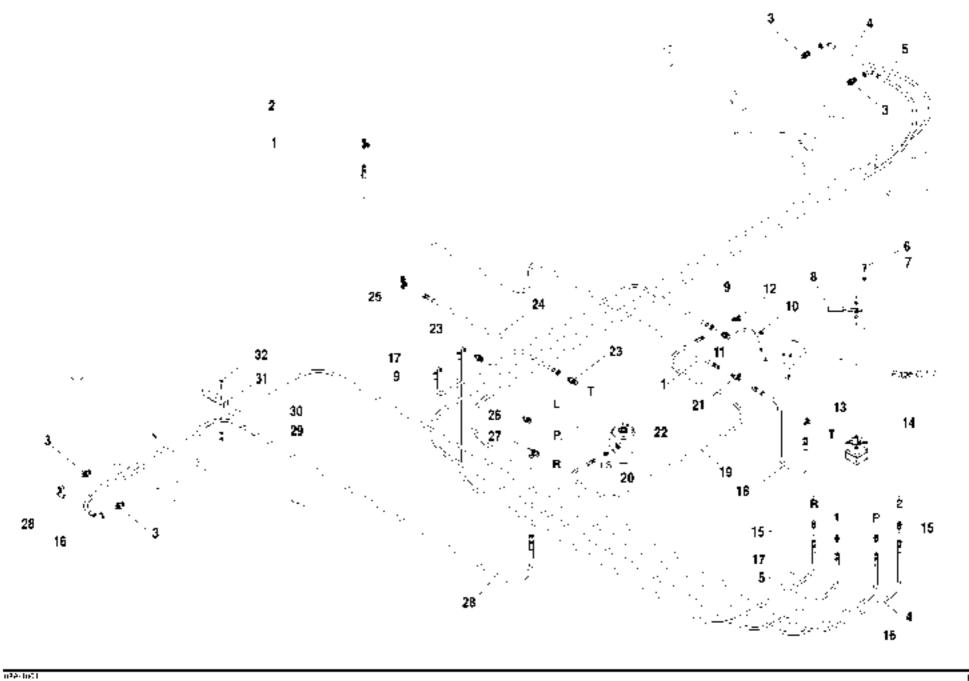
7.7.1 Rev COC

ITEM	PART NO.	QTY.	C DESCRIPTION	
1	65213A	1	Cylinder Assembly, Frame Tilt	Pay CO
2	16228A	2	Bushing	
3	P16611	2	Grease Filting	
4	68353X	1	Barrel Weldment	
5	P40460	1	Nut, Crownlock	
6	P25911	1	Bushing	
7	68354X	1	Rod Weldment	
8	68356X	8	Capscrew, Hx	
9	68955X	1	Head, Rod Bearing	
10	N.S.S	1	*Wiper	
11	N.S.S	1	≢Seal	
12	NSS	1	≢B ack-Up Bing	
13	N.S.S	1	¥ O-Hing	
14	N.S.S	2	*Wear Bing	
15	P29878	1	Piston	
16	N.S.S	1	≭ O-Bing	
17	N.S.S	2	≭ \¥ear Bing	
18	N.S.S	1	≢O-Ring	
19	N.S.S	1	*Piston Seal	
Ref	P30653	1	Seal Kit	
NOTES * It	3: Included		ul Kiit. .S.S. = Not Sold Separately 844D-34 S/N 108	
			FRAME TILT CYLINDER AS	SSEMBLY 7.7.1

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Section 8 — Steering and Brake Hydraulics

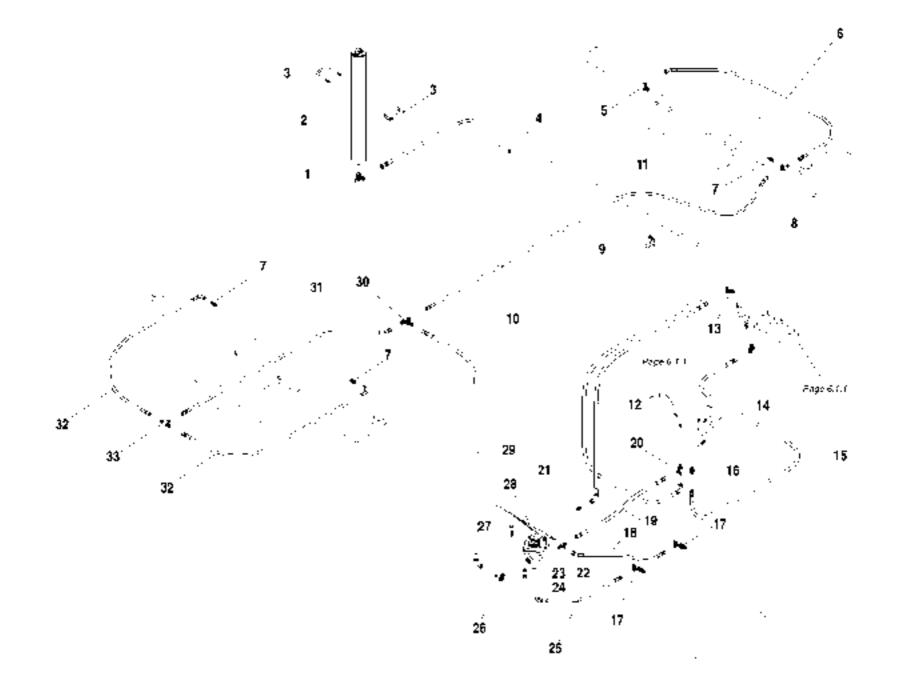
Steering Hydraulic Circuit			•			•	•	• •	·	•	•	•	 H.1.1
Service Brake Hydraulic Circuit													H 2.1
Service Brake Valve Assembly				 									 8.3.1
Park Brake Hydraulic Circuit				 									 8.4.1
Accumulator Assembly		 		 									 8.5.1



8.1.1 Rev COC

1 P25213 1 Hyd. Hose, 0.8" x 44" 2 P21219 1 Adapter, Tee 3 37713X 4 Adopter, Straight, Male JIC to Mole Metric 4 37629X 1 Hyd. Hose, 3/8" x 129" 5 P16894 1 Hyd. Hose, 3/8" x 118" 6 P01816 4 Capscraw, Socket Hd. 3/8"-16 x 3/4" 7 P01310 4 Lockwasher, 3/8" 8 P16985 1 Handle, Steering Selector 9 66739X 1 Orfice Plug 11 P14416 1 Adapter 12 P18936 1 Adapter 13 P18935 1 90° Elbow 14 P20100 1 Valve. Steering Selector 15 P18936 Connector, O-Ring 18 P20938 1 Hyd. Hose, 3/8" x 113" 17 66739X 1 Hyd. Hose, 3/8" x 68" 20 P16950 1 Adaptor, Str 19 P29273 1 Hyd. Hose, 3/8" x 68" 20 P16951 <td< th=""><th></th></td<>	
3 37713X 4 Adapter, Straight, Male JIC to Mole Method 4 37829X 1 Hyd. Hose, 38' x 122' 5 P16894 1 Hyd. Hose, 38' x 124' 6 P01816 4 Capacrew, Socket Hd 3'a''-16 x 3/4' 7 P01310 4 Lookwasher, 3/a' 8 P18085 1 Handle, Steering Selector 9 66798X 1 Hyd. Hose, 3/a' x 71' 10 67528X 1 Office Plug 11 P15406 1 Adapter 13 P18936 1 Adapter 13 P18936 4 Connector, O-Fing 14 P20100 1 Valve, Steering Selector 15 P18936 Hyd. Hose, 3/8' x 113' 17 66738X Hyd. Hose, 3/8' x 20' 18 P20988 Hyd. Hose, 3/8' x 16' 19 P29273 Hyd. Hose, 3/8' x 16' 19 P29273 Hyd. Hose, 3/8' x 83' 22 97316 Sale Kit, Steer Motor 23 37053X Connectoi, O-Fing 2	Ray 030
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5 P18694 1 Hyd. Hose. 3/8" x 118" 6 P01816 4 Capscrew, Socket Hd. 3/8" 16 x 3/4" 7 P01310 4 Lockwasher. 3/8" 8 P18085 1 Handle, Steering Selector 9 667393X 1 Hyd. Hose. 3/8" x 71" 10 67528X 1 Orlice Plug 11 P18365 1 Adapter 12 P18936 1 Adapter 13 P18935 1 90" Elbow 14 P20100 1 Valve. Steering Selector 15 P18936 4 Connector, O-Ring 18 920988 1 Hyd. Hose, 3/8" x 113" 17 66738X 1 Hyd. Hose, 3/8" x 16" 19 P29273 1 Hyd. Hose, 3/8" x 16" 19 P29273 1 Hyd. Hose, 3/8" x 16" 20 P18950 1 Adapter, Tee 22 397516 Stole Mutor 23 37053X 2 Connector, O-Ring 24 66740X 1 Adap	
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22 397516 1 Step: Mutor REF P92396 1 Seal Kit, Stear Motor 23 37053X 2 Connector, O-Ring 24 66740X 1 Hyd. Hose, 3/8" x 83" 25 P21219 1 Tee 26 P19414 1 Check Valve 27 P16965 1 Adapter.90" Elbow 28 P33126 1 Hyd. Hose, 3/8" x 143"	
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27 P16965 1 Adapter.90" Elbow 28 P33126 1 Hyd. Hose, 3/8" x 143"	
28 P33126 1 Hyd. Hose, 3/8" x 1431	
29 P015D5 2 Nul Hx 1/4"-20	
30 P01308 2 Lockwasher 1/4"	
31 66372X 1 Hose Clamp, Multiple	
32 P00013 2 Capscrew, Hx., 1/4"-20 x 3"	
844D-34 S/N 108	

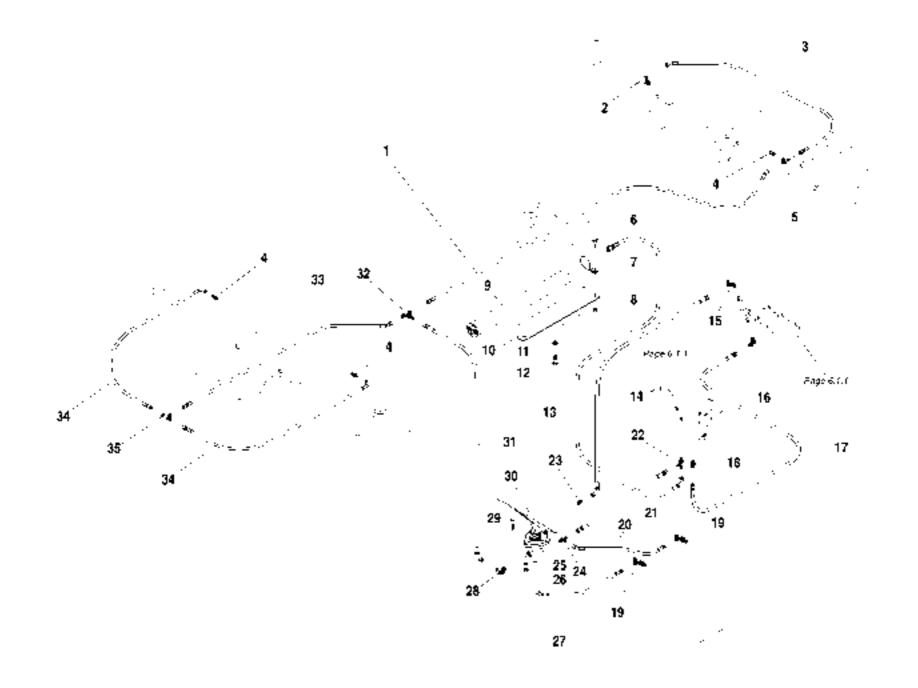
STEERING HYDRAULIC CIRCUIT 8.1.1



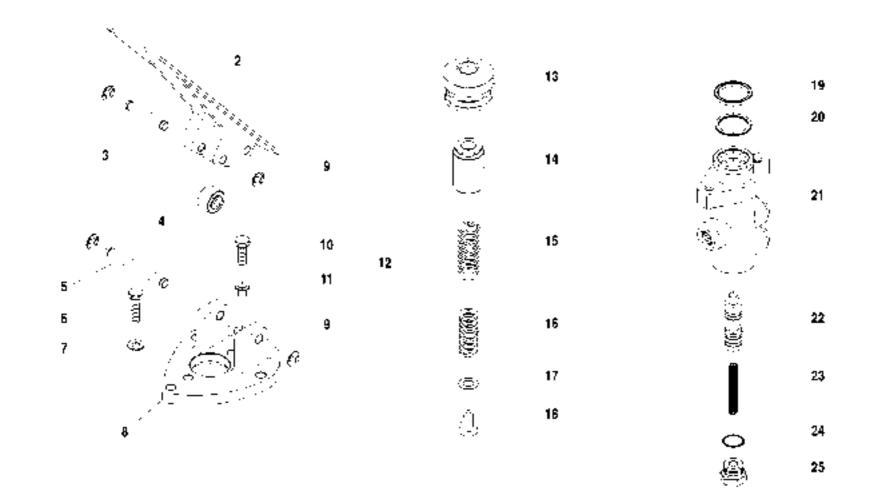
8.2.1 Rev 601

ITEM	PART NO.	QTY.	DESCRIPTION		_
1	P18956	1	90" Adapter		Hev. 001
2	1100389	1	Accumulator (Replaces 37714X)		
			(See Page 8 5 1 for Breakdown)		
3	P12169	1	Clamp		
4	P05005	4	Locknut, Hx., 3/8 - 16		
5	37769X	1	90° Adapter. Male JIC to Male Metric		
5	37880X	1	Hyd, Hose, 1/4" x 29"		
7	P25396	1	Adapter, O-Ring		
8	P19845	1	Adapter, Swivel Tee		
9	P20466	1	Cushion Clamp, 5/81		
10	37882 X	1	Hyd. Hose, 1/4* x 64*		
11	66736X	1	Hyd. Hose, 3/8" x 76"		
12	1100094	1	Hyd. Hose, 3/8" x 27"		
13	P21914	1	Adapter, RunTee		
14	P18935	1	90° Adapter		
15	P27170	1	Hyd. Hose, 1/4" x 28"		
16	P18936	1	Connector, O-Ring		
17	P28823	1	Tee, Bulkhead		
18	66732X	1	Hyd. Hose, 3/8" x 18"		
19	P25872	1	Hyd. Hose, 3/8" x 23"		
20	P21914	1	Tee, O-Ring		
21	P18936	1	Connector, O-Ring		
22	P21914	1	Tee. O-Ring		
23	P01310	3	Lockwasher 3/8*		
24	P01508	5	Nut, Hx., 3/8"-16		
25	66731X	1	Hyd. Hose, 3/8" x 15"		
26	P18985	1	Tee, Branch O-Ring		
27	P00207	3	Capscrew, Hx = 3/8"-16 x 1 3/4"		
28	66581B	1	Valve. Brake		
			(See Page 8-3-1 for Breakdown)		
29	37280X	1	Hyd. Hose, 3/8" x 32"		
30	P18945	1	Adapter, Bulkhearl Tee		
31	66734X	2	Hyd. Hose, 3/8" x 58"	8440 84 ÚNI 480 850	4
32	P30175		Hyd, Hose, 3/8" ×16"	844D-34 S/N 108 669	
33	P18995		Adapter, Tee		

HYDRAULIC SERVICE BRAKE CIRCUIT 8.2.1



ITEM	PART NO.	QTY.	DESCRIPTION		_
1	37882X	1	Hyd, Hose, 1/4" x 64"		Rev (001
2	37769X	1	90° Adapter. Male JIC to Male Metric		
3	37880X	1	Hyd. Hose, 1/4" x 29"		
4	P25396	1	Adapter, O-Ring		
5	P19845	1	Adapter, Swivel Tee		
÷	10705344	2	Capscrew, Hx, Flg., 3/8*-16 x 1*		
7	10237460	2	Clamp, Support, 2 1/4*		
8	10705108	2	Nut, Hx. Flg., 3/8*-16		
9	1100389	1	Accumulator (Replaces 37714X)		
			(See Page 8.6.1 for Breakdown)		
10	1100390	1	Bracket, Accumulator		
11	10701406	2	Flatwasher, 1/21		
12	10708483	2	Capscrew, Hx. 1/2*-13x 1 1/4*		
13	1100391	1	Hyd. Hose, 3/8" x 41"		
14	1100094	1	Hyd. Hose, 3/8' x 27'		
15	P21914	1	Adapter, RunTee		
16	P18935	1	90° Adapter		
17	P27170	1	Hyd. Hose, 1/4" x 28"		
18	P18936	1	Connector, O-Ring		
19	P28823	1	Tee, Bulkhead		
20	66732X	1	Hyd. Hose, 3/8' x 18'		
21	P25872	1	Hyd. Hose, 3/8" x 23"		
22	P21914	1	Tee, O-Ring		
23	P18936	1	Connector, O-Ring		
24	P21914	1	Tee. O-Ring		
25	P01310	Э	Lockwasher 3/8"		
26	P01508	5	Nut, Hx., 3/8"-16		
27	66731X	1	Hyd, Hose, 3/8" x 15"		
28	P18985	1	Tee, Branch O-Ring		
29	P00207	3	Capscrew, Hx = 3/8"-16 x 1 3/4"		
30	66581B	1	Valve, Brake		
			(See Page 8 3.1 for Breakdown)		
31	37280X	1	Hyd. Hose, 3/8" x 32"		4
32	P16945	1	Adapter, Bulkhead Tee	844D-34 S/N 770	
33	66734X	2	Hyd. Hose, 3/8" x 58"		
34	P30175		Hyd. Hose, 3/8" x16"		
35	P18995		Adapter, Tee		



ITEM	PART NO.	QTY.	DESCRIPTION		_
1	65581 B	1	Brake Valve Assembly		Rev (0)
2	N.S.S.	1	Pedal, Brake		
3	NSS	1	Pin, Cam		
4	N.S.S.	1	Gam		
5	N.S.S	1	Pin, Pedal Mounting		
6	P00132	2	Capscrew, Hx. Hd., 5/16"-18 × 1-1/4". GR 8		
7	P01434	2	Flatwasher 5/16" SAE		
8	N.S.S.	1	Base, Actuator		
9	N.S.S.	4	C-Clip		
10	P00104	1	Capscrew, Hx. Hd., 5/16"-18 × 1"		
11	P01507	1	Nut, Hx , 5/16*-18		
12	37081X	1	Valve Assembly (includes items 13–25)		
13	N.S.S.	1	Boot, Rubber		
14	N.S.S.	1	Piston		
15	N.5.S.	1	Spring		
16	N.S.S.	1	Spring		
17	N.S.S.	A/R	Shim		
18	N.S.S.	1	Seal, Spring		
19	N.S.S.	1	Сир		
20	N.S.S.	1	Scal		
21	N.S.S.	1	Body		
22	N.S.S.	1	Spoul		
23	N.S.S.	1	Spring, Spool Return		
24	N.S.S	1	O-Ring		
25	N.S.S.	1	Plug		
HEF	37060X	1	Repair Kit IIncludes liems 6, 13, 19, 20, 24)		
				844D-34 S/N 108	1

BRAKE VALVE ASSEMBLY 8.3.1

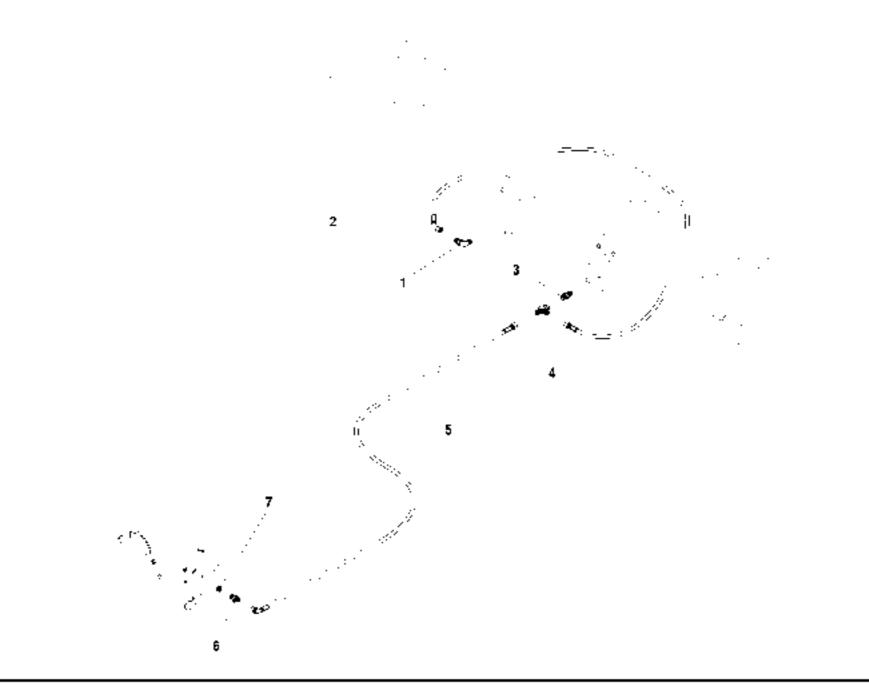
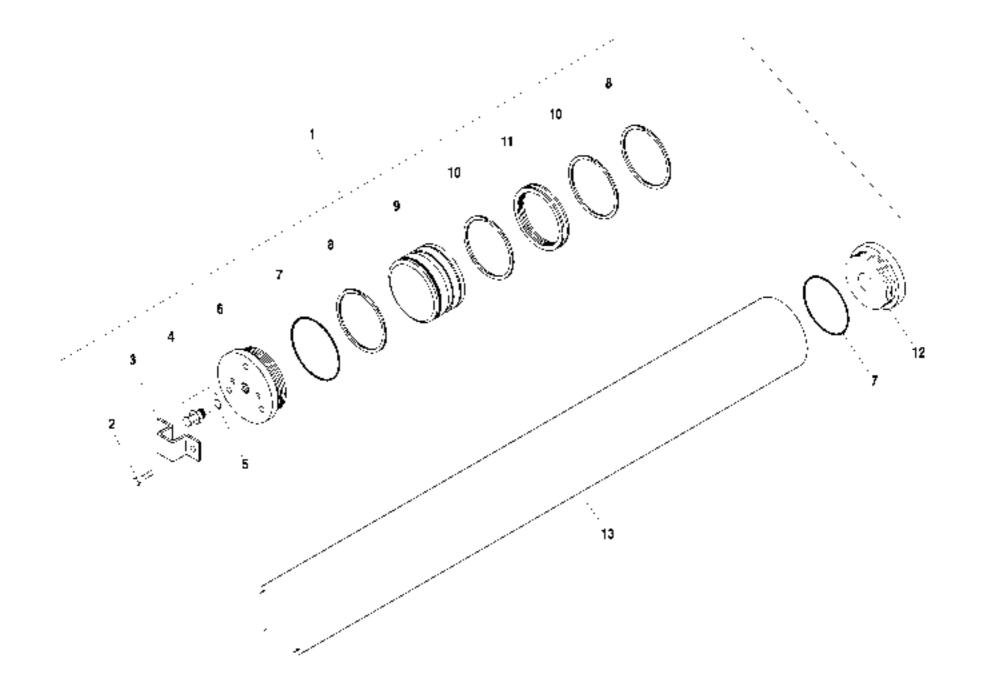


Image: Part No. OESCRIPTION 1 37769X 1 90" Elbow, Bulkhead 2 3781X 1 Hyd, Hose, I/4" X 44" 3 P25396 1 Adapter, Swivel Tee 5 66735X 1 Hyd, Hose, I/4" X 94" 6 P19936 1 Adapter, Swivel Tee 7 67529X 1 Orlfice Plug	Rev (0
3 P25396 1 Adapter 4 P19412 1 Adapter, Swivel Tee 5 66735X 1 Hyd. Hose, 1/4" x 94" 6 P18936 1 Adapter	
4 P19412 1 Adapter, Swivel Tee 5 66735X 1 Hyd. Hose, 1/4" x 94" 6 P18936 1 Adapter	
5 66735X 1 Hyd. Hose, 1/4" x 94" 6 P18936 1 Adapter	
0 P18936 1 Adapter	
7 67528X 1 Orlfice Plug	
	I
844D-34 S/N 108	
PARKING BRAKE HYDRAULIC CIRCUIT	6440

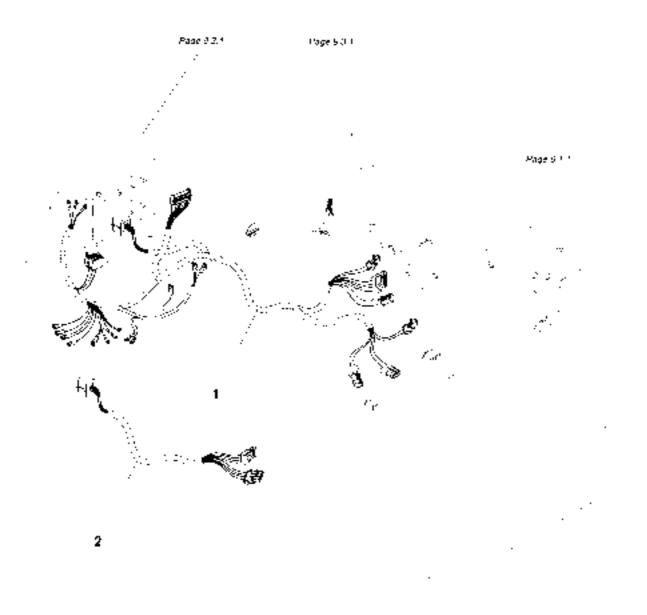


ITEM	PART NO.	QTY.	DESCRIPTION		
1	1100389	1	Accumulator Assembly (Replaces 37714X)		Hev 601
2	68097X	2	Screw		
3	68096X	1	Guard, Valve		
4	P91947	1	Gas Velve		
5	N.S.S	1	O-Aing		
6	N.S.S.	1	End Cap, Gas		
7	N.S.S	2	O-Aing		
8	N.S.S.	2	Tellon Ring		
9	68095X	1	Piston		
10	N.S.S.	2	Back-Up Washer		
11	N.S.S.	1	"V" O-Ring		
12	N.S.S.	1	End Cap		
13	N.S.S.	1	Body, Accumulator		
Ref	1100405	۱	Repair Kit (Includes Items 5, 7, 8, 12, 13)		
		N.S	5.S.= Not Sold Separately		
				844D-34 S/N 108	
					644D
				ACCUMULATOR ASSEMBLY 8.5.1	1

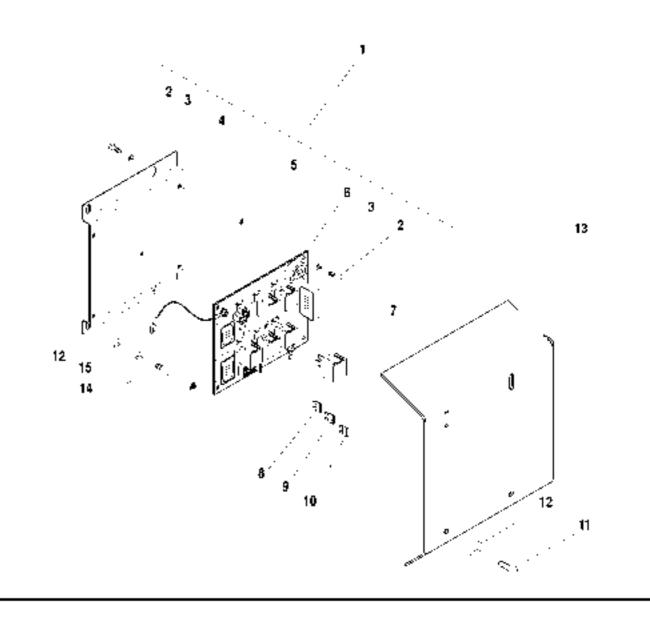
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Section 9 — Electrical

Electrical Group - Operator's Comportment			911
Electrical Mounting Panel - Circuit Board, Fuses & Relays			921
Electrical Group - Frame, Engine & Transmission Control			931

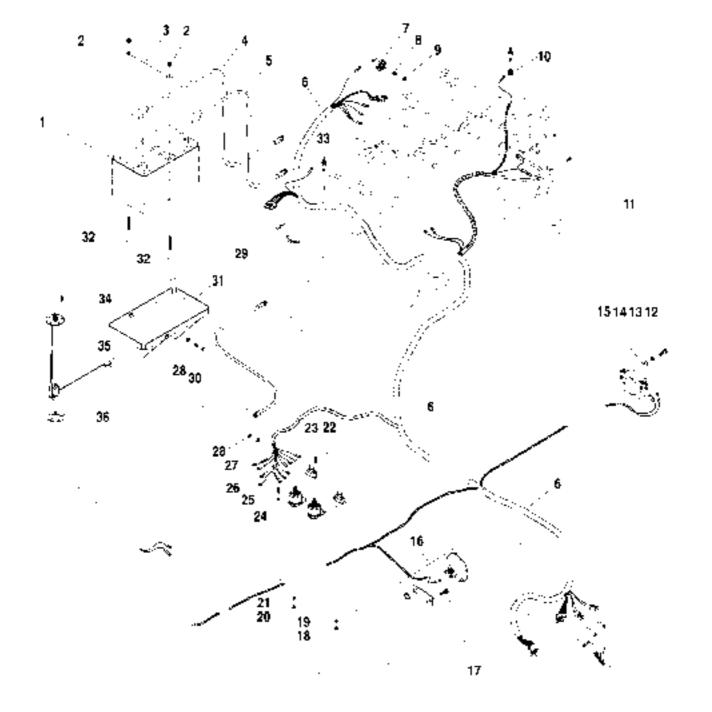


ITEM	PART NO.	<u>QTY.</u>	DESCRIPTION		
1	67117D	1	Wirting Hamess, Operators Compartment		Rev (0)
2	e 68410B	1	Harness. Jumper, Shifter		
NOTE	5°				
0	Jsed S/N 108-	-612			
				844D-34 S/N 108	1
					644D
			ELECTRICAL GROU	JP - OPERATOR'S COMPARTMENT 9.1.1	



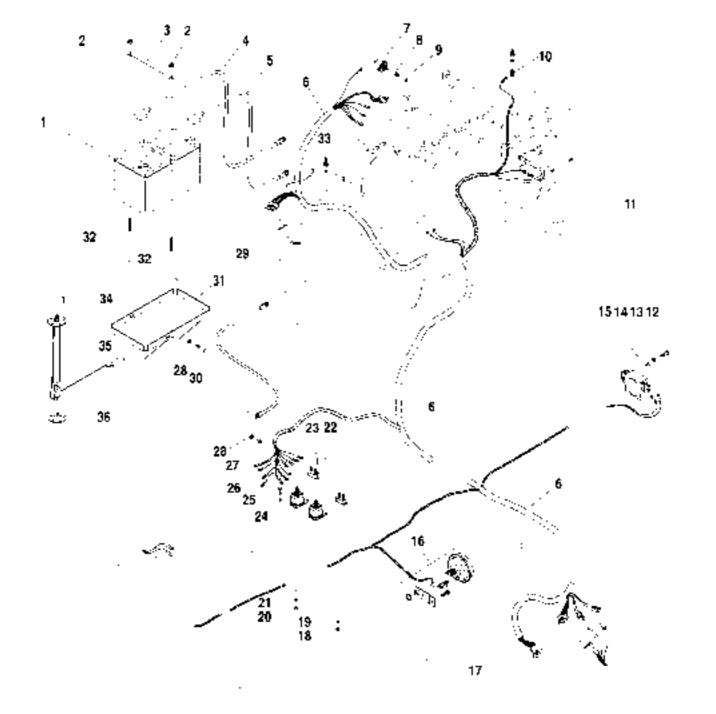
9.2.1 Rev 601

ITEM	PART NO.	QTY.	DESCRIPTION		
1	67654C	1	Circuit Board assembly (Includes items 2-10)		Hev 601
2	67173X	10	Screw, Slotted Rd, Hd., #8-32 x 3/8*		
3	P01305	10	Lockwasher, #8		
4	67681B	1	Mounting Panel Circuit Board		
5	67159X	5	Standoff, #8-32 × 1/4" Long		
6	N.S.S.	1	Circuit Board		
7	66820X	6	Relay		
8	66827X	1	Fuse, 7.5 Amp (Brown)		
9	66828X	1	Fuse 10 Amp (Red)		
10	66829X	1	Fuse, 15 Amp (Blue)		
11	38251A	- 3	Thumb Screw, 1/4"-20		
12	P01402	7	Flatwasher 1/4"		
13	38319B	1	Cover, Circuit Board		
14	38327A	4	Standolf, 3 1/4" Long Hex		
15	P01306	4	Lockwasher, 1/4*		
		N.S	5 S. = Not Sold Separately		
				844D-34 S/N 108	
	ELEC	TRIC	AL MOUNTING PANEL - CL	RCUIT BOARD, FUSES & RELAYS 9.2.1	644D



ITEM	PART NO.	QTY.	DESCRIPTION		_
1	Q	1	Battery, 12 Volt,BCI Group 31, 925 CCA		He Y 03.
2	P01506	2	Nut, Hx., (Included with Item 32)		
3	37708X	1	Tie Down, Battery	NOTES	
4	657 4 2C-21	1	Battery Cable, Negative 30'	NOTES	
5	65742C-22	1	Battery Cable, Positive, 24"	Obtain Locally	
6	67120D	1	Wire Harness, Frame, Engine & Transmission		
7	P23217	1	Sender, Oil Pressure		
8	66115X	1	Adapter		
9	66114X	1	Washer		
10	P23222	1	Sender, Waler Temperature		
11	P21787	1	Diorte Module		
12	P00003	2	Capscrew, Hx., 1/4"-20 x 3/4"		
13	P01306	2	Lockwasher, 1/4*		
14	P01402	2	Flatwasher, 1/4		
15	P13774	1	Alarm, Back-Up (Reverse)		
16	P13707	1	Hom		
17	P00102	٦	Capscrew, Hx. 5/16'-18 x 3/4"		
18	P01404	4	Nul, Hx , #10-24		
19	P01306	4	Lockwasher, #10		
20	P01506	4	Not. Hx ; 1/4"-20		
21	P01308	4	Lockwasher, 1/4*		
22	P29694	2	Circuit Breaker		
23	P02054	4	Screw, Slotted, Rd, Hd, #10-24 x 1/2"		
24	67789A	2	Starter Relay		
25	P01402	4	Flatwasher, 1/41		
26	P00003	4	Capscrew, Hx : 1/4"-20 x 3/4"		
27	P01508	1	Nut, Hx., 3/8"-16		
28	P01310	5	Lockwasher, 3/8*		
29	38200C-3	1	Cable, Ground		
30	P00202	4	Capscrew, Hx 3/8"-16 x 3/4"		
31	67439B	1	Battery Tray		
32	37704X	2	Hold Down, Battery		
33	P19472	1	Sender, Transmission Oil Temperature	RAAD 24 (VAL 402, 024	ł
34	P02334	5	Screw Slotted Rd, Hd, 10-32 × 1*	644D-34 S/N 108 231	
35	1100525	1	Sender, Fuel (Replaces 67155X)		
36	68089X	1	Gasket, Fuel Sender		

9.3.1 **•**44D ELECTRICAL GROUP - FRAME, ENGINE & TRANSMISSION

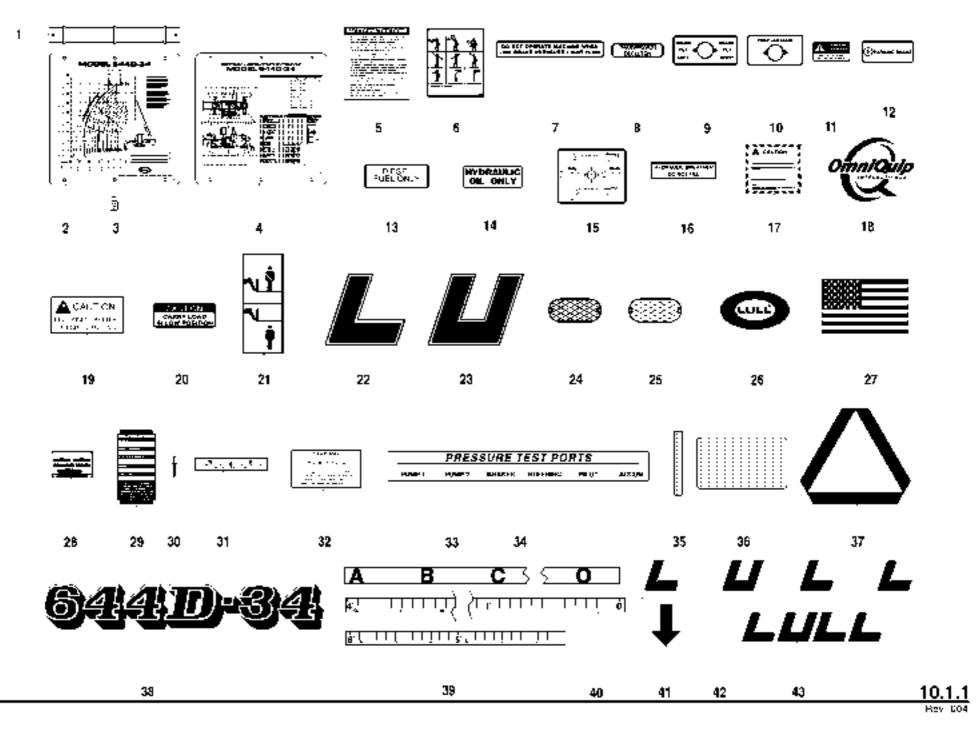


ITEM	PART NO.	QTY.	DESCRIPTION		
1	Ũ	1	Battery, 12 Volt,BCI Group 31, 925 CCA		∘י∘רך
2	P01506	2	Nut, Hx., (Included with Item 32)		
3	37708X	1	Tie Down, Battery	NOTES	
4	657 4 2C-21	1	Battery Cable, Negative 30'	NOTES	
5	65742C-22	1	Battery Cable, Positive, 24"	Obtain Locally	
ô	68667D	1	Wire Harness, Frame, Engine & Transmission		
7	P23217	1	Sender, Oil Pressure		
8	66115X	1	Adapter		
9	66114X	1	Washer		
10	P23222	1	Sender, Waler Temperature		
11	P21787	1	Diorte Module		
12	P00003	2	Capscrew, Hx., 1/4"-20 x 3/4"		
13	P01306	2	Lockwasher, 1/4*		
14	P01402	2	Flatwasher, 1/4		
15	P13774	1	Alarm, Back-Up (Reverse)		
16	68663B	1	Hom		
17	P00102	٦	Capscrew, Hx. 5/16'-18 x 3/4"		
18	P01404	4	Nul, Hx , #10-24		
19	P01306	4	Lockwasher, #10		
20	P01506	4	Not. Hx ; 1/4"-20		
21	P01308	4	Lockwasher, 1/4*		
22	P29694	2	Circuit Breaker		
23	P02054	4	Screw, Slotted,Rd, Hd, #10-24 x 1/2"		
24	67789A	2	Starter Relay		
25	P01402	4	Flatwasher, 1/41		
26	P00003	4	Capscrew, Hx : 1/4"-20 x 3/4"		
27	P01508	1	Nut, Hx., 3/8"-16		
28	P01310	5	Lockwasher, 3/8*		
29	38200C-3	1	Cable, Ground		
30	P00202	4	Copscrew, Hx 3/8"-16 x 3/4"		
31	67439B	1	Battery Tray		
32	37704X	y .	Hold Down, Battery		
33	P19472	1	Sender, Transmission Oil Temperature		4
34	P02334	5	Screw Slotted Rd Hd 10-32 x 1*	844D-34 S/N 232	
35	1100525	1	Sender, Fuel (Replaces 67155X)		
36	68089X	1	Gasket, Fuel Sender		

ELECTRICAL GROUP - FRAME, ENGINE & TRANSMISSION 9.3.1.1

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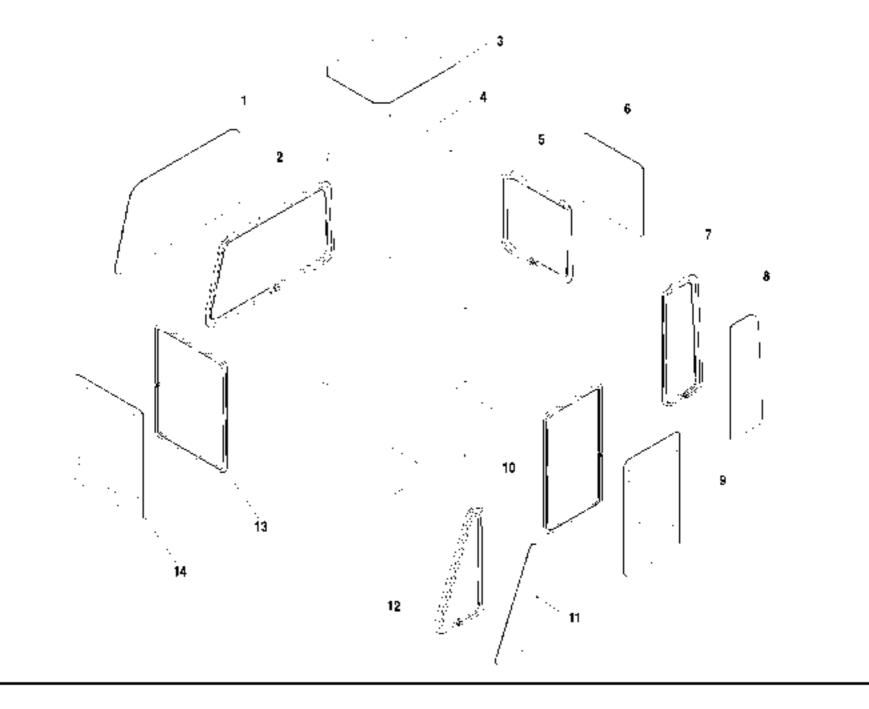
IABLE UF	CONTENTS Rev. 002
Section 10 — Decals Decal Group Common	Section 10 — Optional Equipment Window Assembly Enclosed Cab 10 5.1 Door Assembly Enclosed Cab 10 6 1 Windshield Assembly. 10 7.1 Windshield Wiper Assembly. 10 8.1 Insulatoin Assembly Enclosed Cab 10 9.1



214-1242

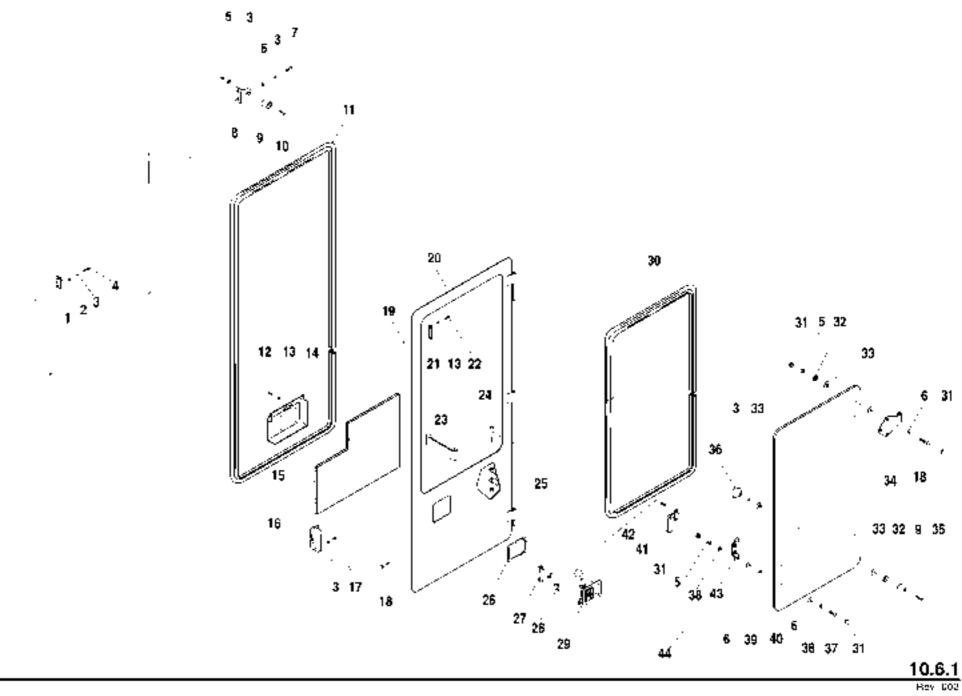
ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	38716A	1	3-Binger Hanger, Filp Card	36	39007A	1	Foot Mat. No-Shp Adhesive Surfacing	7 ⁸⁶⁹ 034
2	67893B	1	Flip Card, Load Chart Capacities 644D-34	37	25252B	1	Slow Moving Vehicle Sign	
3	37364 X	1	Holder, Flip Card	38	67886B	I.	Decal. 644D	
4	67712B	1	Flip Card, Lube Schedule	39	39304D	1	Decal, Transfer Extension Indicator, Cab	
5	67683 B	1	≢Decal, Satty	40	67796B	1	Decal, Transfer, Indicator, Frame	
6	39617B	1	*Decal, Forkhit Signals	41	16346A	1	Decal, Arrow	
7	24906A	1	*Decal, Low Brake Pressure Warning	42	68422B	Ż	Decal, LULL, Boom	
8	35082A	1	Pecal, Transmission Declutch	43	68421B	1	Decal, LULL, Counterwieght	
9	30487A	1	Frame Till					
10	67270A	1	Aux					
11	21319A	2	Decal, Don't Be Careless	NOT	ES:			
12	67229A	1	*Decal, Parking Brake			d in Deca	al Replacement Kit 1100779.	
13	20989A	1	*Decal, Diesel Fuel Only					
14	20988A	1	Pecal, Hydrautic Oil Only					
15	67267A	1	*Decal, Boom Movement Control					
16	39619A	1	*Decal, Hydraulic Breather		N.	.S.S. = N	let Sold Separately	
17	20964 B	1	Plate, Caution					
18	66044B	2	*Decal, OmniQuip					
19	35092A	1	Decal, Disconnect Baftery					
20	21318A	1	Decal, Caution, Carry Load Low					
21	24752B	2	*Decol, Carriage Safely					
22	15731B	4	Decal, Letter "L"					
23	157326	2	Decal, Letter "U"					
24	P16991	2	*Reflector, Red					
25	P18992	2	■Reflector, Yellow					
26	39376C	1	Decal, "Lull' Logo - Large (18")					
	38843B	2	*Decal, "Luli" Logo - Small (6")					
27	26431B	2	*Decal, American Flag					
28	N.5.S.	1	Plate, Senal Number					
29	N.S.S	1	Plate, Attachment Capacity					
30	P32958	14	Pop-Rivet, Aluminum, 1/8* dia. x.337* long					
31	12750A	1	Plate, Steer Selector					4
32	39369A	1	Decal, California Proposition 65 Warning	644D-3	4 S/N 108			
33	38335C	1	Decal, Boom Extension Indicator					
34	67269 B	٦	Decal, Pressure Test Ports					
35	N12350	1	*No-Slip Surfacing (21 × 14" Adhesive Strip)					
			-					644D

DECAL GROUP COMMON 10.1.1 644D



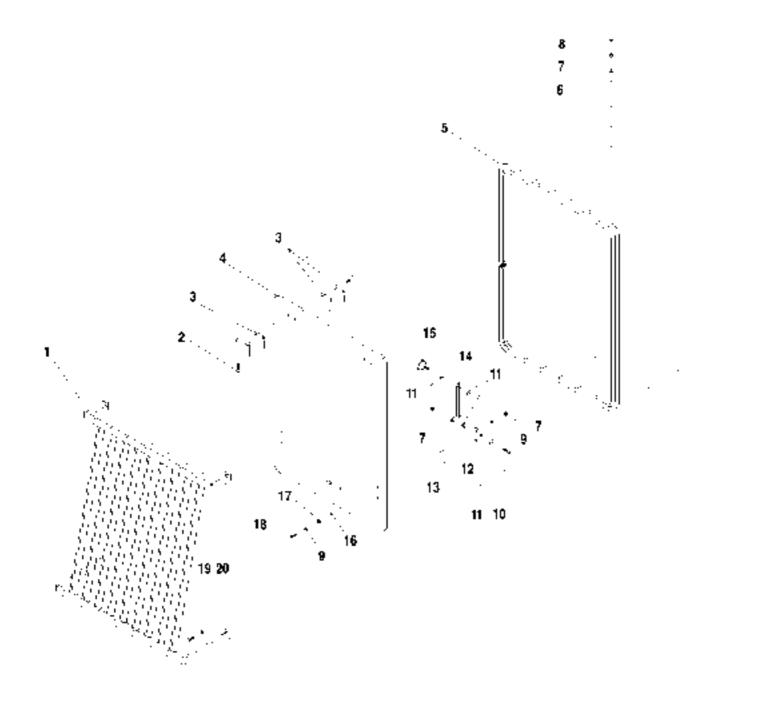
ITEM	PART NO.	QTY,	DESCRIPTION	
1	36314C	1	Glass, Aight Side	Rev 002
2	N12354	1	Seal. Right Side	
3	363188	1	Glass, Skylight	
4	67150X	1	Seal. Roof, Self Stick	
5	N12362	1	Seal Real	
6	39478B	1	Glass, Rear. Fixed	
7	N12361	1	Seal Left Side, Rear	
8	36500B	1	Glass, Latt Side, Rear	
9	38872B	1	Glass, Door Hinged	
	39176X	-	Glass, Door. Non Hinged	
10	N12364	1	Seal Door Glass, Hinged	
	39177X	-	Seal. Door Glass, Non Hinged	
11	36499B	1	Glass, Left Side, Front	
12	N12360	1	Seal, Leff Side, Front	
13	N12356	1	Seat, Windshield	
14	36317C	1	Glass, Windshield, Hinged	
				•
1				1

WINDOW ASSEMBLY, ENCLOSED CAB 10.5.1



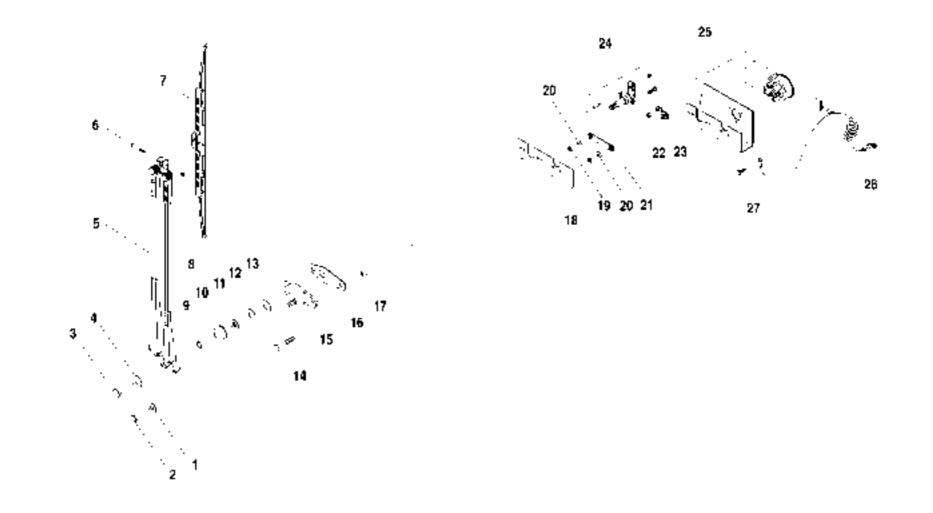
TEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
1	37413X	1	Striker Mount	3H	37392X	2	Washer Fiber	Bey
2	P01402	2	Flatwesher, 1/4*	39	39222A	4	Spacer, Window	
3	P01308	2	Lockwasher, 1/4'	40	38872B	1	Glass, Door, Hinged	
4	P00005	2	Capscrew, Hx., 1/4*- 20 × 1*	41	37405X	2	Latch	
5	37394X	11	Locknut Hx., 1/4" × 20	42	37391X	2	Screw, Slotted Rd, Hd., $1/4"-20 \times 3/4"$	
ô	37398X	14	Flatwasher, 1/4*	43	67596X	2	Mount, Handle	
7	P03003	1	Capscrew, Hx., 1/4*- 20 x 3/4"	44	37403X	2	Kit, Handle Mounting	
8	39799A	1	Bracket, Door Holder					
9	37407X	1	Door Holder, Plunger & Socket					
10	37391X	1	Screw Slotted Rd. Hd., 1/4*-20 × 3/4"					
11	N12365	1	Seal Door					
12	P02057	4	Screw Slotted Rd. Hd., #10-24 × 3/4*					
13	P01400	4	Flatwasher, #10					
14	37414X	1	Cover, Lalch					
15	38870B	1	Ins, door					
16	37412X	1	Latch, Rotary					
7	P01656	2	Locknut, Hx., 1/4*-20					
8	P00007	2	Capscrew, Hx., 1/4*- 20 × 1 1/2*					
19	P01654	4	Locknut, Hx., #10-24					
20	38913C	1	Door					
21	37415X	2	Bracket, Latch, Window					
22	P02059	4	Screw Slotted Rd. Hd : #10-24 × 1"					
23	3741 6 X	1	Strep					
24	P00110	1	Capscrew, Hx., 5/15" -18 × 2 1/2"					
5	P16057	1	Locknut, Hx., 5/16" × 18					
6	37411X	1	Seal, Lalch					
27	P91534	1	Link, Connecting					
8	P91533	2	Pin, Spring					
29	P91531	1	Handle, Paddle Assembly					
90	N12364	1	Seal Door Glass					
11	37406X	10	Cap, Acom					
12	37410X	12	Glass Mount					
33	37409X	12	Washer, Shoulder, Glass Mount					-
14	39790B	2	Hinge					
35	PC4060	1	Capscrew, Hx., M6.1 × 50mm GR 8.8					
36	37408X	1	Клов					
37	PC0006	4	Capscrew, Hx., 1/4*- 20 × 1 1/4*					

DOOR ASSEMBLY, ENCLOSED CAB 10.6.1



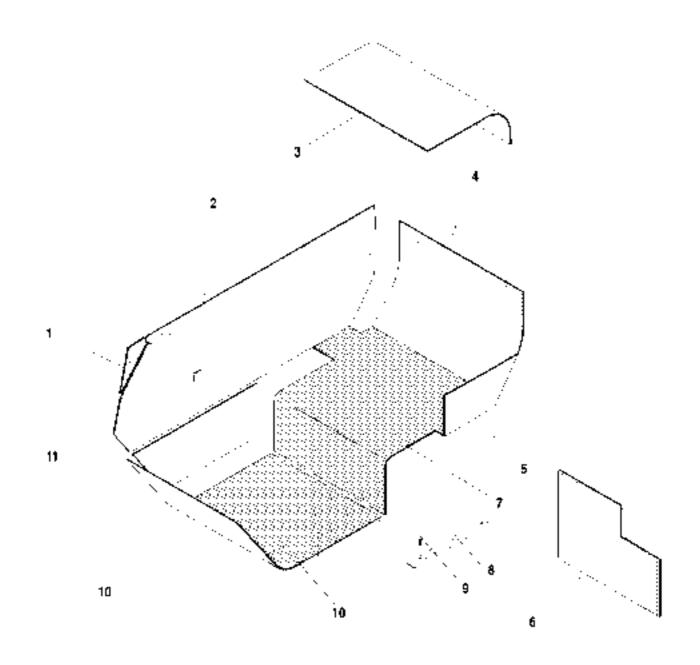
10.7.1 Rev 602

ITEM	PART NO.	OTY.	DESCRIPTION		
1	36520D	1	Guard Assembly, Front Windshield	-	Ray 002
2	37397X	- 4	Screw, Slotted Rd. Hd., 1/4*-20 × 1"		
3	37389X	2	Hinge Flat		
4	36317C	1	Glass, Windshield. Hinged		
5	N12356	1	Seal, Windshield		
6	37398X	4	Flatwasher, 1/4		
7	37394X	4	Locknut Hx., 1/4-20		
8	36408A	4	Cap, Acom		
9	37395X	5	Flatwasher 3/16*		
10	37391X	2	Screw, Slotted Rd, Hd., 1/4*-20 × 3/4*		
11	37392X	2	Flatwasher, Fiber		
12	388488	2	Bracket, Window Stay		
13	39225A	2	Gasket, Rubber		
14	38849B	2	Window Stay		
15	37396X	2	Клов		
16	39222A	4	Sleeve, Window		
17	39224A	4	Washer, Rubber		
18	37393X	4	Screw, Slotted Rd, Hd., 1/4*-20 × 1"		
19	P01310	4	Lockwasher, 3/8		
20	P00204	4	Capscrew, Hx., 3/8*-16 × 1"		
					644D
			WINDSHIE	LD ASSEMBLY, ENCLOSED CAB 10.7.1	04412



	PART NO.	QTY.	DESCRIPTION
1	P01400	1	Flatwasher,
2	P91581	1	Nut, Acom #10-24
3	P91583	1	Nut, Acoro
4	P91584	1	Flatwesher
5	37390X	1	Wiper Arm, Dual
ô.	P91577	1	Screw, Slotted. #4-40 × 7/8*
7	P32558	1	Blade, Wiper
8	P01650		Locknut, Hx., 4-40
9	P91585	1	Driver
10	P91586	1	Cap, Rubber
11	P91581	1	Nut, Hx
12	P91588	1	Washer, Steel
13	P91589	1	Washer, Plastic
14	37399X	2	Capscrew, Hx., 1/4"-28 x 3/4"
15	P32556	1	Adapter, Pantographic
16	P91679	1	Gasket
17	39222A	2	Sleeve, Plastic
18	39229A	1	Gasket, Wiper Motor
19	P91601	2	Spring Clip
20	P91600	2	Flatwasher
21	P91599	1	Link
22	P01531	1	Not, Hx., 3/8"-24
23	P32655	1	Driver Arm
24	P32554	1	Shaft, Pivol
25	P32651	1	Wiper Motor (Includes Bracket)
HEF	P32568	1	Wiper Motor
	38366B	1	Cable, Wiper Motor
26			Sciew

WINDSHIELD WIPER ASSEMBLY, ENCLOSED CAB 10.8.1

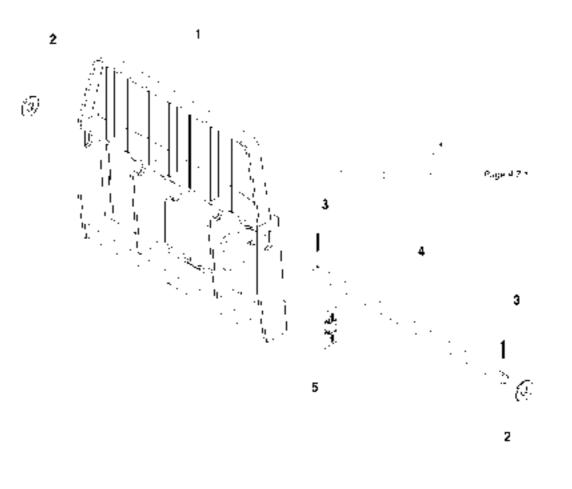


1 387698 1 insulation, Fight Fiort 2 387678 1 insulation, Fight Side 3 387678 1 insulation, Reir 5 387578 1 insulation, Reir 5 387578 1 insulation, Reir 5 387578 1 insulation, Reir 6 387788 1 insulation, Lower Door 7 387778 1 insulation, Lower Door 7 387778 1 insulation, Supervox, Ha., 14*-20x1* 10 36323C 1 Mat, Floor 11 387688 1 insulation, Lower Right Front 11 387688 1 insulation 11 387688 1 insulation 11 387688 1 insulation	ITEM	PART NO.	QTY.	DESCRIPTION	
3 387546 1 Insulation, Reer 4 38771B 1 Insulation, Reer 5 387536 1 Insulation, Lower Dor 7 387726 1 Insulation, State Deck 8 3817726 1 Insulation, Lower Dor 7 387726 1 Insulation, State Deck 8 3817726 1 Trueshold, Floor Mat 9 Po00050 3 Capacerw, Hx, 1/4*20e1* 10 3632302 1 Mak, Floor 11 387848 1 Insulation, Lower Right Front	1	387658	1	Insulation, Right Front	. 632
4 387718 1 Insulation, Lower Let Rear 5 38768 1 Insulation, Lower Door 7 387728 1 Insulation, Seat Deck 8 384778 1 Truschold, Floor Mat 9 P00005 3 Capacrew, Hw., 1/4*-20c1* 10 363230 1 Mak, Floor 11 387648 1 Insulation, Lower Right Front 11 3877648 1 Insulation, Lower Right Front	2	38767B	1	Insulation, Right Side	
5 38758 1 Insulation, Lower Door 7 38778 1 Insulation, Lower Door 7 38778 1 Insulation, Seat Deck 8 384778 1 Threshold, Floar Mat 9 P6005 3 Capacrew, Hu, 144-2001* 10 38323C 1 Mat, Floor 11 387688 1 Insulation, Lower Fight Front	3	387648	1	Insulation, Root	
6 388708 1 Insulation. Lower Door 7 387728 1 Insulation. Seat Dock 8 384778 1 Threshold, Floor Mat 9 PK0005 3 Capacrew, Hu, 1/4/201* 10 38326 1 Mat, Floor 11 387688 1 Insulation, Lower Right Front 11 387688 1 Insulation, Lower Right Front	4	38771B	1	Insulation, Rear	
7 387728 1 Insulation, Seat Deck 8 384778 1 Threshold, Floor Mat 9 P00005 3 Capacrew, I.14*-20x1* 10 363230 1 Mat, Floor 11 387688 1 Insulation, Lower Flight Frank	5	38765B	1	Insulation, Lower Left Rear	
8 394778 1 Threshold, Floor Mar. 9 P00005 3 Capacrew, Hx., 1/4*-20x1* 10 38323C 1 Mal, Floor 11 387688 1 Insulation, Lower Flight Frant	6	38870B	1	Insulation. Lower Door	
9 PR005 3 Capacrew, Hx., 144-90x1** 10 36323C 1 Mat, Floor 11 38756B 1 Insulation, Lower Right Front	7	38772B	1	Insulation, Seat Deck	
10 36323C 1 Mat, Floor 11 3H768B 1 Insulation, Lower Dight Front	8	36477B	1	Threshold, Floor Mat	
11 38766B 1 Insulation, Lower Right Front	9	P00005	3	Capscrew, Hx., 1/4*-20x1*	
	10	363230	1	Mat, Floor	
INSULATION ASSEMBLY, ENCLOSED CAB 10.9.1	11	38768B	1	Insulation, Lower Right Front	
INSULATION ASSEMBLY, ENCLOSED CAB 10.9.1					
INSULATION ASSEMBLY, ENCLOSED CAB 10.9.1					
INSULATION ASSEMBLY, ENCLOSED CAB 10.9.1					
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				INSULATION ASSEMBLY, ENCLOSED CAB 10.9.1	

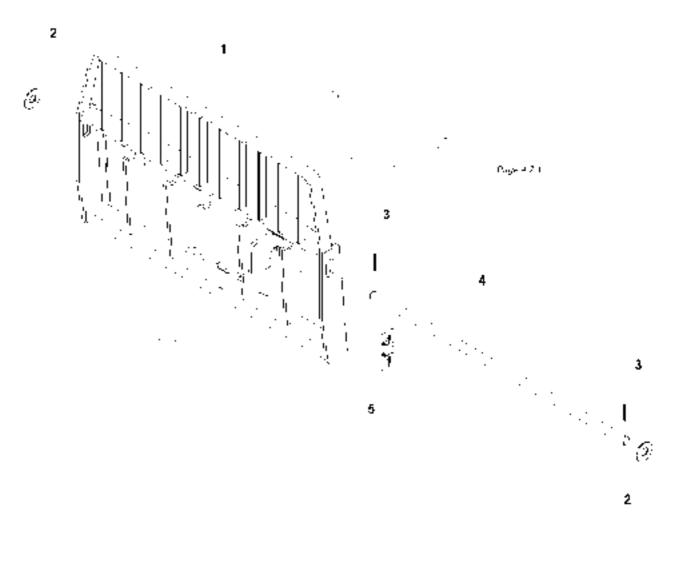
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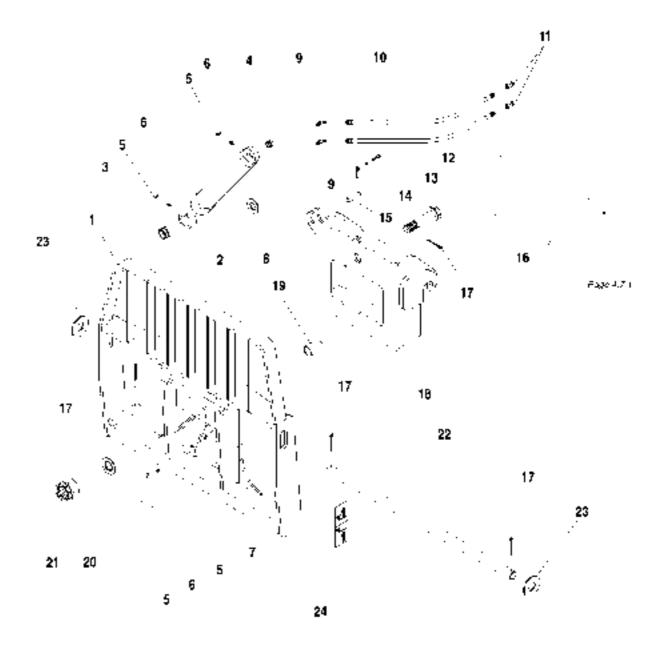
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Framers (Non-Tilt) Fork Carnage Assembly	 112.1
Standard Tithing Fork Carriage Assembly	 11.3.1
Framers Tilting Fork Carnage Assembly	 11.4.1
Till Carriage Cylinder Assembly	 11.5.1



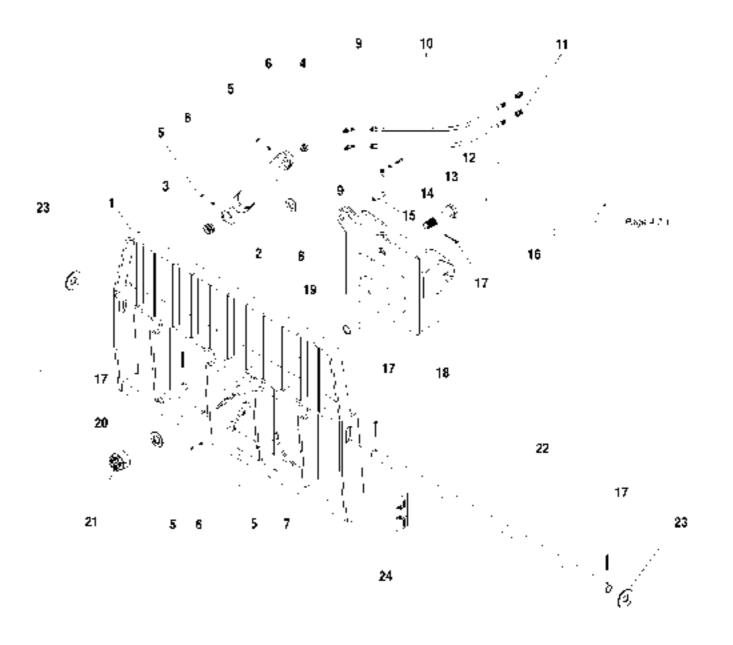
ITEM	PART NO.	QTY.	DESCRIPTION		
REF	48000	-	Standard (Non-Till) Fork Carnage Assembly		Hev. 000
			(includes items 1-5)		
1	38000D	1	Carriage, Standerd (Non-Tilt)		
2	18129A	2	Washei, Fork Shatt		
3	P03906	2	Cotter Pin, 3/8" × 3"		
4	38064A	1	Fork Shatt		
5	24762B	2	Decal, Carriage Sately		
REF	38026B		Pallet Fork, 42" × 4" × 2"		
REF	38025B		Pallet Fork, 48" x 4" x 2"		
REF	38117B		Pallet Fork, 60" × 4" × 2"		
REF	38118B		Cubing Fork, $48^* \times 2' \times 2''$		
REF	17103B		Lumber Fork, 48" × 6" × 1 1/2"		
				844D-34 S/N 108	t
					644D
			STANDARD (NON-TI	LT) FORK CARRIAGE ASSEMBLY 11.1.1	



ITEM	PART NO.	QTY.	DESCRIPTION		
AEF	48002	-	Framers (Non-Tilt) Fork Carriage Assembly		nev 000
			(Includes items 1-5)		
1	38001D	1	Carriage, Framers (Non-Till)		
2	18129A	2	Washer, Fork Shatt		
3	P03906	2	Cotter Pin, 3/8" × 3"		
4	16207A	1	Fork Shatt		
5	24762B	2	Decal, Carriage Satety		
REF	38026B		Pallet Fork, 42" x 4" × 2"		
REF	38025B		Pallet Fork, 46" x 4" × 2"		
REF	38117B		Pallet Fork, 60" × 4" × 2"		
REF	38118B	-	Cubing Fork, 48" × 2' × 2"		
REF	17103B		Lumber Fork, 48" × 6" × 1-1/2"		
REF	23610B	-	Lumber Fork, 60" × 6" × 1 1/2"		
				644D-34 S/N 108	ł
					644D
			FRAMERS (NON-T	ILT) FORK CARRIAGE ASSEMBLY 11.2.1	571 0

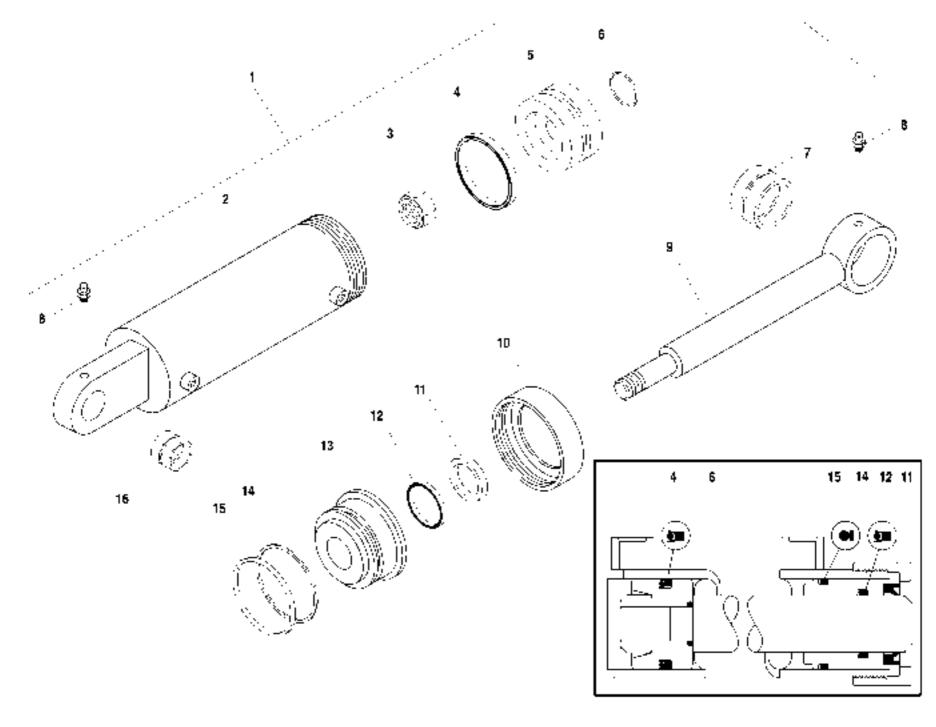


ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
HE F	48001	-	Standard Titling Fork Comage Assembly					_nes 000
			(Includes items 1–23)	REF	38025B	-	Pallet Fork, 48" × 4" × 2"	
1	38002D	1	Carriege, Standerd Tilting	REF	38117B	-	Pallet Fork, 60° \times 4' \times 2"	
2	66218B	1	Cylinder Tribing Carilage w/O-Bing Ports					
			(See Page 11.5.1 for Breakdown)	REF	38118B	-	Cubing Fork, 48" × 2" × 2"	
3	16228A	1	Bushing Cylinder - Rod End					
4	16227A	1	Bushing. Cylinder - Base End	REF	17103B	-	Lumber Fork, 48" × 6" × 1 1/2"	
5	P32689	5	Cover Grease Fitting					
ô	P16611	4	Grease Filling	REF	23610B	-	Lumber Fork, 60" × 6" × 1 1/2"	
7	P15337	1	Grease Filling, 90"					
8	16323A	1	Washer, Special					
9	P19815	2	45° Elbow, O-Ring					
10	37863X	2	Hyd. Hose, 3/8" × 40" (O-Ring Ends)					
11	66136X	2	Male, Quick Coupler					
12	P00403	1	Capscrew, Hx., 1/2*13 x 1 1/4*					
13	P01312	1	Lockwasher, 1/2					
14	35707A	1	Lock Pin					
15	38014A	1	Pin, Till Cylinder					
16	38065A	1	Pivet Shalf					
17	P03906	4	Cotter Pin, 3/8" × 3"					
18	39004C	1	Inner Carriago					
19	38013A	1	Sleeve, Pivot					
20	38066A	1	Washer, Pivot					
21	37794X	1	Castle Nut, Hx., 2'-12					
22	38064A	1	Fork Shatt					
23	18129A	2	Washer, Fork Shaft					
24	247528	2	Decal, Cainage Safety					
				844D-3	4 S/N 108			+
RE F	38026B		Pallet Fork, 42" × 4" × 2"					
			STANDARD TIL	TING	FORK	A DI	RIAGE ASSEMBLY 11.3.1	644D
			STANDARD TIL	T IN G		ADI	HAGE ASSEMDLT 11.3.1	



11.4.1 Rev COC

TEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION	
HEF	48003	-	Framers Tilting Fork Carilage Assembly					0es (0)
			(Includes items 1–23)	REF	38025B	-	Pallet Fork, 48" × 4" × 2"	
1	38003D	1	Carriege, Framers Tilting	REF	38117 B	-	Pallet Fork, 60" × 4" × 2"	
2	66218B	1	Cylinder Tilbing Carilage w/O-Bing Ports					
			(Includes Items 3 & 4)	REF	38118B	-	Cubing Fork, 48" × 2" × 2"	
			(See Page 11.5.1 for Breakdown)					
3	16228A	1	Bushing, Cylinder - Rod End	REF	171038	-	Lumber Fork, $48^\circ \times 6^\circ \times 1.1/2^\circ$	
4	16227A	1	Bushing, Cylinder - Base End					
5	P32689	5	Cover. Grease Filling	REF	23610B	-	Lumber Fork, 60" × 6" × 1 1/2"	
6	P16611	4	Grease Filling					
7	P15337	1	Grease Filling, 90°					
8	16323A	1	Washer, Special					
9	P19815	2	45" Elbow, O-Fing					
10	37863X	2	Hyd. Hose, 3/8' × 40' (O-Ring Ends)					
11	66136X	2	Male, Quick Coupler, O-Ring					
12	P00403	1	Capscrew. Hx., 1/2"-13 x 1 1/4"					
13	P01312	1	Lockwasher, 1/2'					
14	35707A	1	Lock Pin					
15	38014A	1	Pin, Till Cylinder					
16	38065A	1	Pivot Shaft					
17	P03906	4	Coller Pin. $3/8^* \times 3^*$					
18	38094C	1	Inner Cerriage					
19	38013A	1	Sleeve, Pivot					
20	38066A	1	Washer, Pivot					
21	37794X	1	Castle Nut, Hx 2'-12					
22	16207A	1	Fork Shaft					
23	18129A	2	Washer, Fork Shatt					
24	24752B	2	Decal, Carriage Satety					
				844D-3	94 S/N 108			
REF	38026B		Pallet Fork, 42" × 4" × 2"					
								644
			FRAMERS TIL	LING	FORK (JAR I	RIAGE ASSEMBLY 11.4.	



11.5.1 Rev COD

ITEM	PART NO.	QTY.	DESCRIPTION		
1	662188	-	Cylinder Assembly, Tilting Carnage		Devi (000
2	37652X	1	Barrel Weldment		
3	P19217	1	Locknut		
4	N.S.S		★ Wiper		
5	37051X	1	Piston		
6	N.S.S	1	*Seal		
7	16228A	1	Bushing		
5	P16611	2	Grease Zerk		
9	P25297	1	Rod Weldment		
10	P23778	1	Retainer Rod Bearing		
11	N.S.S.	1	*Back-Up Bing		
12	NS.S	1	≢O-Ring		
13	P23788	1	Aod Bearing		
14	N.S.S.	1	*O-Bing		
15	N S.S	1	Piston Seal		
16	16227A	1	Bushing		
HEF NOTE	37050X S. æms Included		5.S. = Not Sold Separately	844D-34 S/N 108	
				ARRIAGE CYLINDER ASSEMBLY 11.5.1	644D

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