

Illustrated Parts Manual

Model 522

10709907 October 1998



23450-1 MODEL 522 FINAL ASSEMBLY - Perkins/Standard Axle 23450-1A MODEL 522/4 FINAL ASSEMBLY - Perkins/Power Assist Axle

● DRIVE TRAIN (Includes Axle and Transmission Breakdown)

- 23452 Drive Train Assembly Perkins
- 23453 Radiator & Transmission Oil Cooler Assembly
- 23454 Throttle Assembly
- 23455 Air Cleaner Assembly
- 23456 Exhaust Assembly
- 23457 Engine Cover Assembly

STEER AXLE

- 23462 Rear Steer Axle Assembly Standard
- 23463 Rear Steer Axle Assembly Power Assist
 - Wheel Hub Breakdown
- 23464 Steer Cylinder Assembly

FRAME & PLATFORM

- 23465 Main Frame Assembly
- 23466 Operators Compartment Assembly

TELESCOPIC BOOM

23467 Telescopic Boom Assembly

UPPER HYDRAULICS

- 23468 Boom Hydraulic Assembly
- 23469 Boom Extension Cylinder Assembly
- 23470 Front Carriage Tilt Cylinder Assembly

LOWER HYDRAULICS

- 23471 Control Hydraulic Assembly
- 23472 Hoist Cylinder Assembly
- 23473 Frame Tilt Cylinder Assembly
- 23474 Joystick Handle & Cover Assembly
- 23475 Pump, Suction Return Hydraulic Assembly Standard
- 23476 Pump, Suction Return Hydraulic Assembly Power Assist Hydraulic Pump Drive Assembly
- 23477 Hydraulic Steering, Brake & Diff. Lock Assembly

BRAKES

23478 Service & Parking Brake Assembly

ELECTRICAL

- 23479 Electrical Assembly Perkins
- 23480 Wiring Diagram
- 23481 Electrical Assembly Power Assist

DECALS & ACCESSORIES

- 23484 Decal Group Assembly
 Optional Equipment (Accessories)
- FORK CARRIAGES(S)

GENERAL INFORMATION

The parts book assembly numbers and date appear in the lower right hand corner of each page. Each page also lists the machine serial number to assist in identifying the machine to which the parts book page applies.

The quantity shown in the "Qty." column is the number of parts used on that assembly. Where parts are referenced, the part shown is included in another assembly or part of another item. For certain parts such as shims, spacers, etc. an "A/R" will be shown in the "Qty." column. This "A/R" indicates that the quantity to be used is as required.

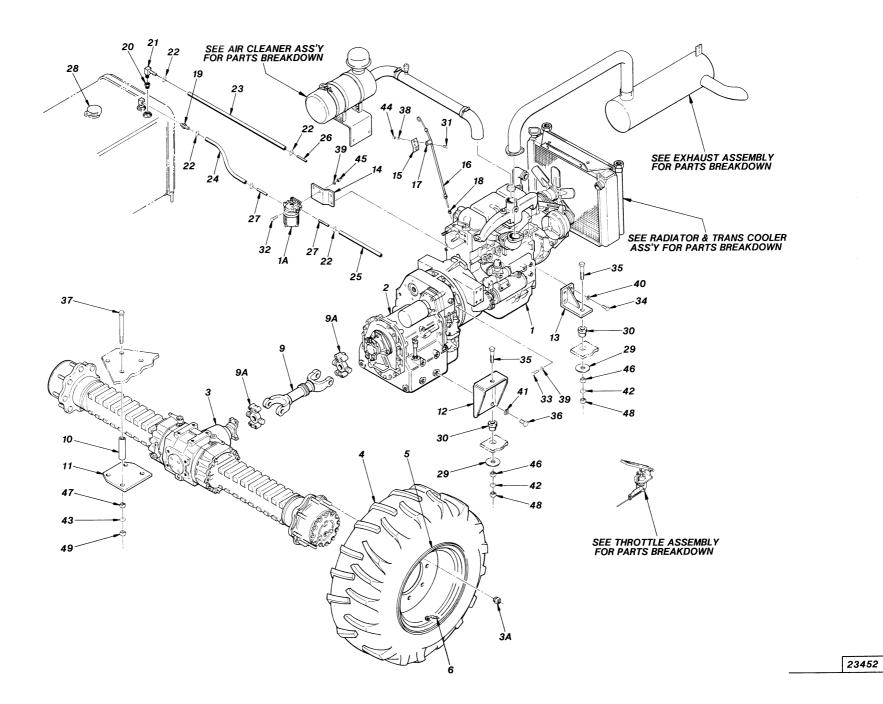
Always check illustration and parts listing page before ordering. <u>Never order from illustration alone.</u> When ordering parts, order by part number only and <u>not</u> by assembly number unless the complete assembly is desired.

The following abbreviations are used in this manual:

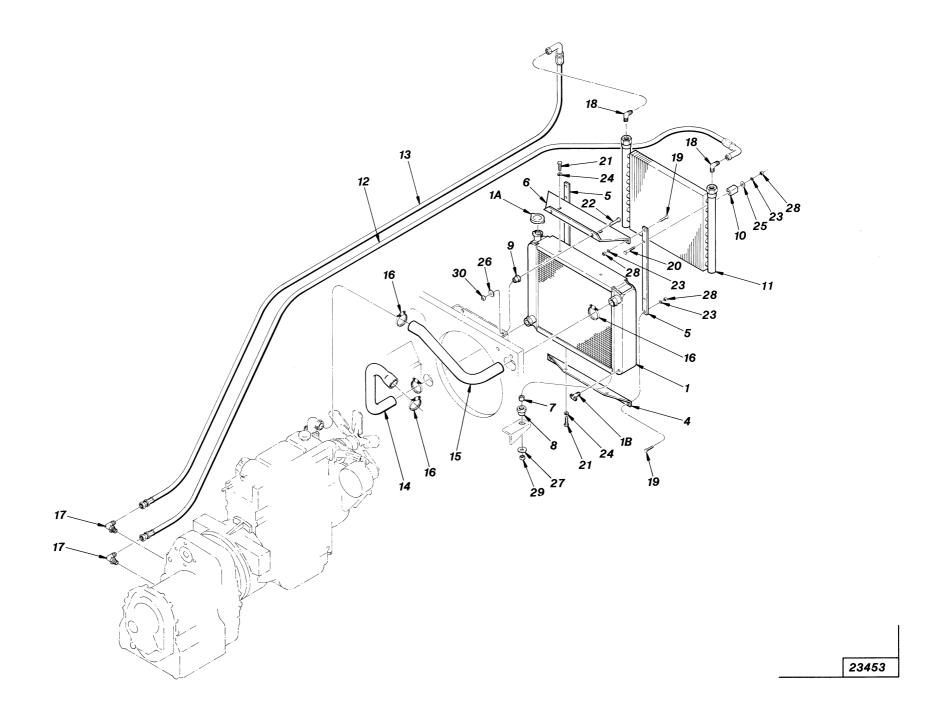
A/R = As Required N/A = Not Applicable Ass'y = AssemblyN.L.A. = No Longer Available Cont. = Continues Neg. = Negative Cvl. = CvlinderN.S.S. = Not Sold Separately Dia. = Diameter O.D. = Outside Diameter Diff. = Differential Osc. = Oscillation Ext. = Extension P/N = Part Number Pos. = Positive GA. = Gauge Pt. = Point GR = GradeREF = Reference Hd. = HeadReq. = Required = Hex Hx. Hvd. = Hvdraulic R.F. = Right Front R.H. = Right Hand I.D. = Inside Diameter Incl. = Includes R.R. = Right Rear Rd. Int. = Internal = Round Slot. = Slotted LG. = LongL.F. = Left Front Soc. = Socket L.H. = Left Hand S/N = Serial Number L.R. = Left Rear Trans = Transmission

NOTE: Because of owner requirements, equipment variations may exist. It is therefore the owner's responsibility to contact his Lull dealer for specific information that is not covered in this parts book.

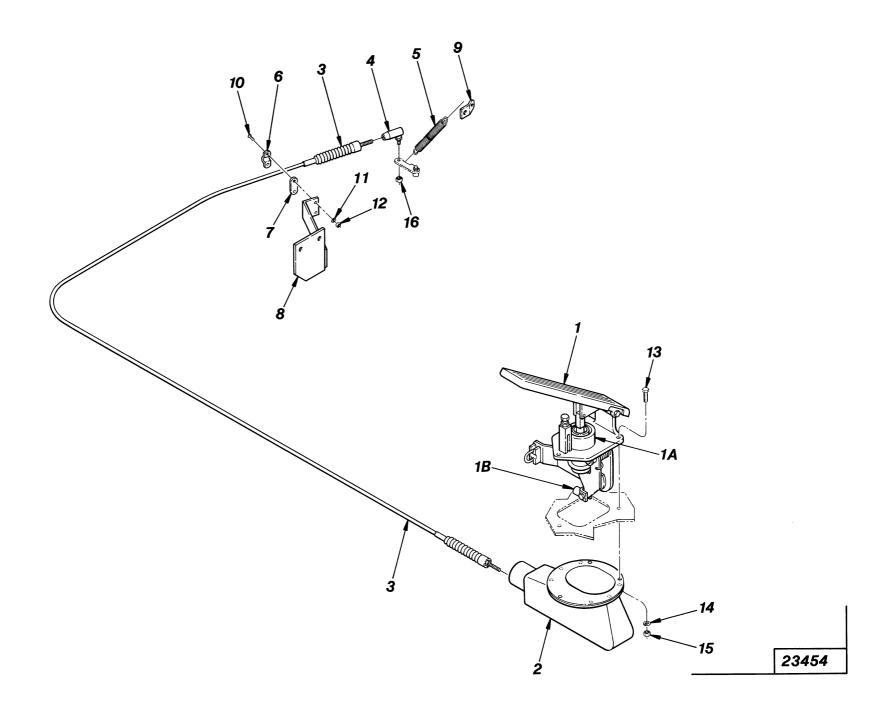
<u>WARNING:</u> Do not service or operate the Lull fork-lift without taking the necessary safety precautions. See Operator Safety and Operating Procedures in the Owner/Operator's Manual for this model.



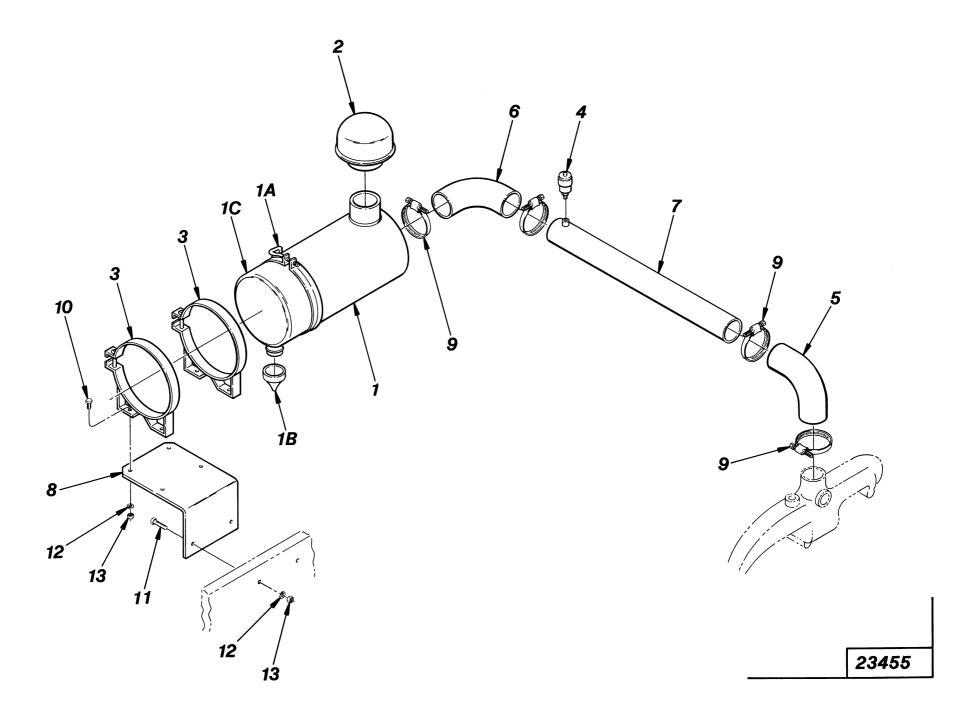
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
1	P26267	1	Engine, Perkins 4.236	39	P01310	14	Lockwasher, 3/8"
1A	P22203	REF	Pre Filter, Water Trap	40	P01311	8	Lockwasher, 7/16"
1B	P28491	REF	Starter, Heavy Duty - 37 MT	41	P01314	8	Lockwasher, 3/4"
2	P26320	1	Transmission	42	P01363	4	Starwasher, 5/8" - External
3	P26150	1	Axle, Drive	43	P01364	8	Starwasher, 3/4" - External
3A	P27000	REF	Lug Nut	44	P01507	1	Nut, Hx., 5/16"-18
4	P21660	2	Tire, 16.9 x 24 10 Ply	45	P01508	2	Nut, Hx., 3/8"-16
5	23373C	2	Wheel, Rim	46	P01535	4	Nut, Hx., 5/8"-18
6	P25387	2	Valve Stem	47	P01536	8	Nut, Hx., 3/4"-16
9	P21679	1	Drive Shaft	48	P01585	4	Jam Nut, Hx., 5/8"-18
9A	P18749	REF	Cross & Bearing (Includes Hardware)	49	P01586	8	Jam Nut, Hx., 3/4"-16
10	N11656	4	Spacer, Axle Pad				
11	23348B	2	Axle Pad				
12	23416B	2	Transmission Mount				
13	23420B	2	Engine Mount				
14	23524A	1	Mounting Bracket, Water Trap	REF	P20995	-	Engine Oil Filter
15	24346A	1	Support Bracket, Dipstick				
16	P26756	1	Dipstick w/Tube	REF	P21001	-	Fuel Filter
17	P17554	1	Clamp, Dipstick				
18	P18936	1	Connector, O-Ring	REF	P19868	-	Transmission Filter
19	P13619	1	Adapter, Pipe to Hose				
20	P10690	1	Reducer Bushing				
21	P21317	1	90° Elbow, Pipe to Hose				
22	P14047	6	Hose Clamp				
23	A)N11832	1	Hose, Return Line 1/4" x 27" LG.				
24	N11574	1	Hose, Fuel Line 5/16" x 24" LG.				
25	N11576	1	Hose, Fuel Line 5/16" x 14" LG.		l		
26	N11416	1	Tube, 1/4" O.D.				
27	N11430	3	Tube, 5/16" O.D.				
28	P12182	REF	Fuel Cap		NOTES:		
29	P20395	4	Snubbing Washer		A) Hose	s 15" Lon	ng, use N11573.
30	P18180	4	Rubber Mount				- -
31	P00100	1	Bolt, Hx., 5/16"-18 x 1/2"				
32	P00205	2	Bolt, Hx., 3/8"-16 x 1 1/4"				
33	P00206	12	Bolt, Hx., 3/8"-16 x 1 1/2"				
34	P00381	8	Bolt, Hx., 7/16"-20 x 1 1/2"			, ,	22.77
35	P00689	4	Bolt, Hx., 5/8"-18 x 3 1/2" GR 8				23452
36	P00725	8	Bolt, Hx., 3/4"-10 x 1 1/2" GR 8	755 5		<u>1</u>	
37	P00794	8	Bolt, Hx., 3/4"-16 x 8 1/2" GR 8	522 S/	N 101 THRU		4/89
38	P01309	1	Lockwasher, 5/16"	DRIVE	E TRAIN AS	SSEMB	LY (Perkins)



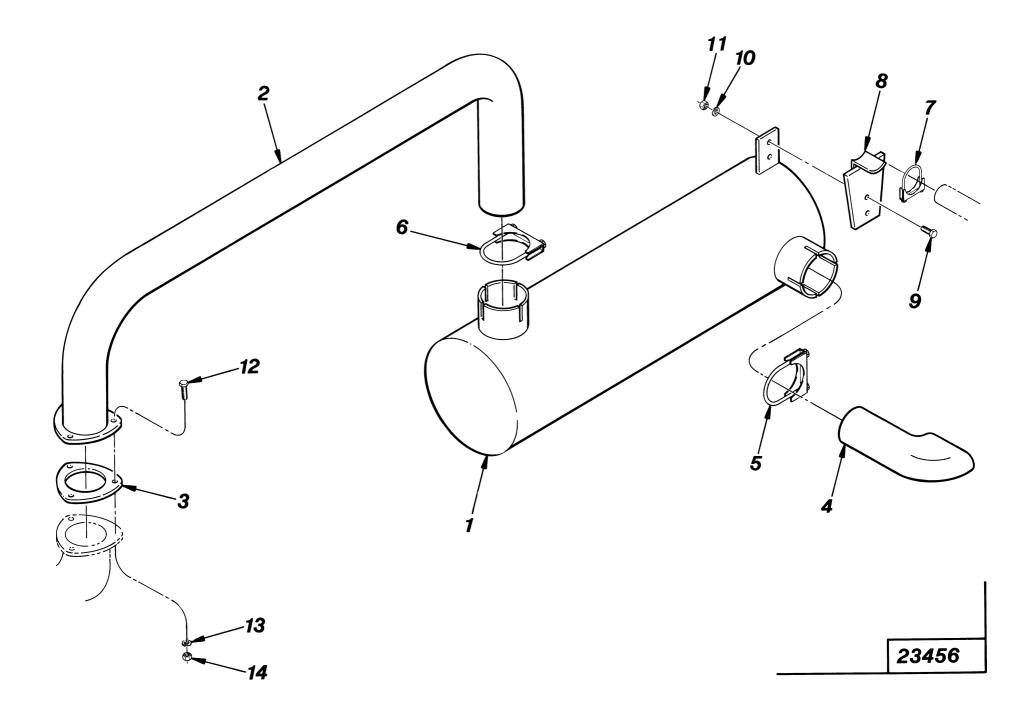
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION		
T CIVI	HOMBER	Gri.	DESCRIPTION	11 - 171	NOMBER	1	DESCRIPTION		
1 1	P25512	1	Radiator						
1A	P17140	REF	Cap, Radiator						
1B	P16675	REF	Drain Cock						
4	22374A	1	Bracket, Lower						
5	23563A	2	Bar, Cooler Mount						
6	22376B	1	Bracket, Upper						
7	P24305	2	Bushing						
8	P24306	2	Grommet, Rubber						
9	P18723	2	Grommet						
10	P26312	4	Rubber Block						
11	P17598	1	Transmission Cooler						
12	P21353	1	Hose, Transmission Cooler, 75" Lg.						
13	P21923	1	Hose, Transmission Cooler, 63" Lg.						
14	P26074	1	Hose, Lower Radiator						
15	P26318	1	Hose, Upper Radiator						
16	P10601	4	Hose Clamp						
17	P17802	2	90° Elbow, O-Ring						
18	P17808	2	90° Elbow, JIC - Pipe						
19	P00102	4	Bolt, Hx., 5/16"-18 x 3/4"						
20	P00111	4	Bolt, Hx., 5/16"-18 x 2 3/4"						
21	P00202	4	Bolt, Hx., 3/8"-16 x 3/4"						
22	P00204	2	Bolt, Hx., 3/8"-16 x 1"						
23	P01309	8	Lockwasher, 5/16"						
24	P01310	4	Lockwasher, 3/8"						
25	P01453	4	Flatwasher, 5/16" - Fender						
26	P01404	2	Flatwasher, 3/8"						
27	P01439	2	Flatwasher, 5/8" SAE						
28	P01507	8	Nut, Hx., 5/16"-18 Nut, Hx., 1/2"-13						
29	P01510	2 2	,						
30	P01658		Locknut, Hx., 3/8"-16						
							2	3453	
				522 S/	N 101 THRU			4/89	
						ANS O	II COOLER ASSEMBLY (Per		
				RADIATOR & TRANS. OIL COOLER ASSEMBLY (Perkins)					

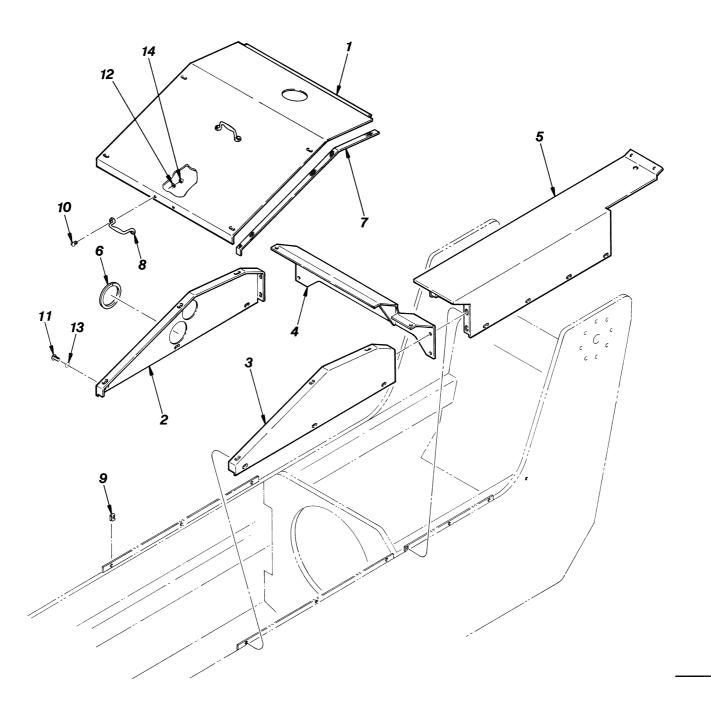


	ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION		
13	1 1A 1B 2 3 4 5 6 7 8 9 10	P19263 P20069 P20072 P19268 P21773 P10505 P21260 P17678 P19128 22727B 17786A P02057 P01306	1 REF REF 1 1 1 1 1 2 2	Accelerator Pedal Bellows Clevis Kit Boot Guard Cable, Throttle Ball Joint Spring Clamp, Cable Shim Bracket, Cable Support Spring Anchor Screw, Rd. Hd., #10-24 x 3/4" Lockwasher, #10	ITEM		QTY.	DESCRIPTION		
15 P10506 3 Nut, Hx., 1/4"-20 Nut, Hx., 1/4"-28	13	P00005	3	Bolt, Hx., 1/4"-20 x 1"						
2345	15	P10506	3	Nut, Hx., 1/4"-20						
522 S/N 101 THRU									23454	
THROTTLE ASSEMBLY (Perkins)										

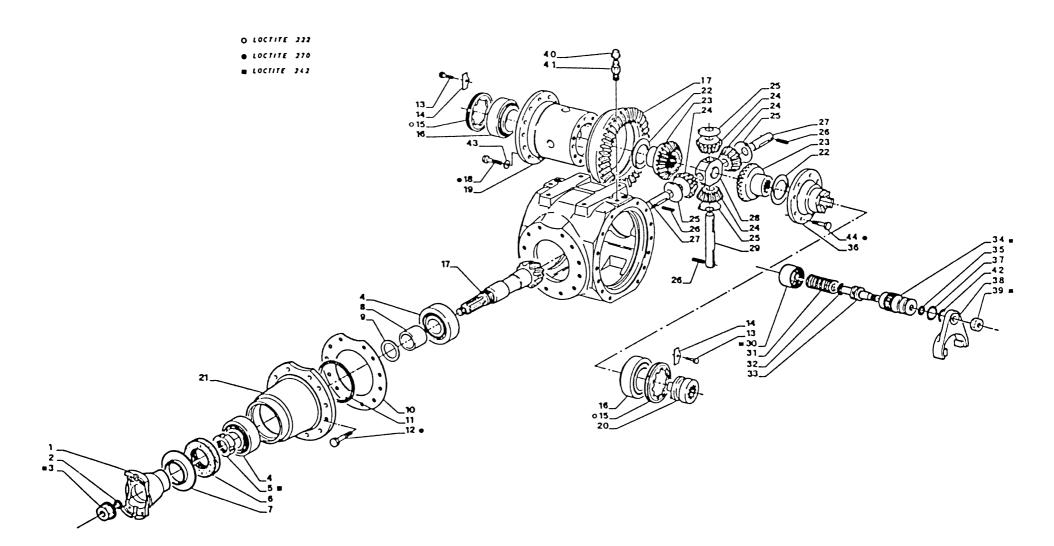


ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION		
1 1A 1B 1C 1D* 1E* 2 3 4 5 6 7 8 9 10 11 12 13		QTY. 1 REF REF REF REF 1 2 1 1 1 4 4 2 6 6	Air Cleaner Clamp Vaculator Valve Vaculator Cup Baffle Thumb Screw Filter Element Rain Cap Mounting Band Service Indicator (Includes Fitting) 90° Elbow, Rubber 90° Elbow, Rubber Intake Tube Support Bracket Hose Clamp Bolt, Hx., 3/8"-16 x 3/4" Bolt, Hx., 3/8"-16 x 1 1/2" Lockwasher, 3/8" Nut, Hx., 3/8"-16	ITEM		QTY.	DESCRIPTION		
					* Not IIIu	 strated	I	22/55	
				23433					
				522 S/N 101 THRU 4/89					
				AIR C	LEANER A	SSEMB	BLY (Perkins)		

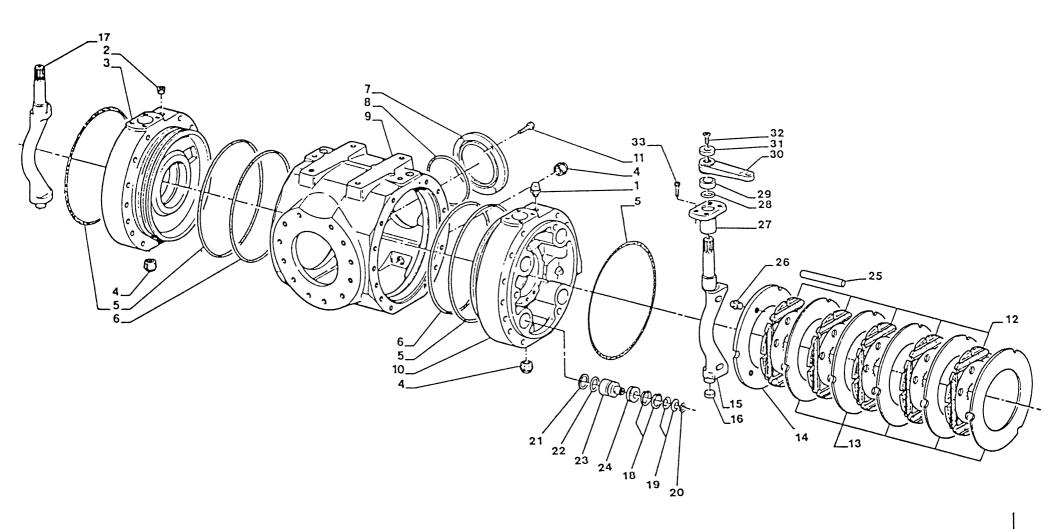




ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
TICIVI	NOMBER	GII.	DESCRIPTION	I	NOMBER	QII.	DESCRIPTION	<u>-</u>
1	24404C	1	Engine Cover					
2	24405C	1	Support Panel, Right					
3	24406C	1	Support Panel, Left	1				
4	24408B	1	Rear Cover Panel					
5	24348C	1	Cover Panel, Exhaust					
6	N11595	1	Edge Trim					
7	N11596	2	Sponge Gasket					
8	P26713	2	Grab Handle					
9	P20459	20	Speed Nut					
10	P02054	4	Screw, Slotted Rd. Hd., #10-24 x 1/2"					
11	P02157	24	Screw, Slotted Rd. Hd., 5/16"-18 x 3/4"					
12	P01306	4	Lockwasher, #10					
13	P01358	24	Starwasher, 5/16" - External					ĺ
14	P01504	4	Nut, Hx., #10-24					
						1		
		.						
								23457
				522 S/N 101 THRU 4/89				
				ENGII	NE COVER	ASSEN	MBLY	

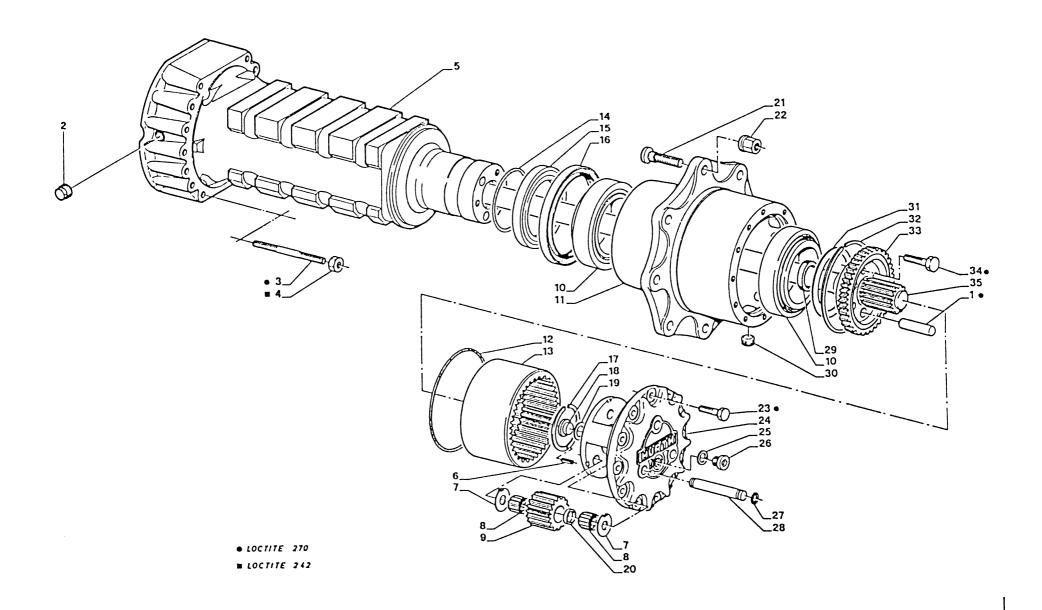


ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
1 1	P27037	1	Yoke Flange	33	P27061	1	Piston
2	P27004	1	O-Ring	34	P27062	2	Cylinder
3	P27058	1	Nut, Pinion	35	P27010	1	O-Ring
4	P27018	2	Bearing	36	E)P26989	1	Differential Case Cover
5	P27098	1	Ring Nut	37	P27009	1	O-Ring
6	P27002	1	Seal	38	P27060	1	Lever
7	P27099	1	Cover Plate	39	P26997	1	Jam Nut
8	P27094	1	Spacer	40	P25654	2	Cap Plug
	P27095	-	Spacer	41	P25627	2	Exhausting Bolt
	P27096	_	Spacer	42	P27012	1	O-Ring
	P27097	-	Spacer	43	P26994	16	Spring Washer
9	P27021	1	Shim - 0.35mm	44	P04228	8	Bolt, Hx., M12-1.75 x 30mm
	P27022	-	Shim - 0.40mm	45*	G)P26988	2	Spacer
	P27023	-	Shim - 0.45mm				·
	P27024	_	Shim - 0.55mm				
10	P27045	1	Shim				
	P27046	-	Shim				
	P27047	-	Shim				
11	P27006	1	O-Ring				
12	P04203	12	Bolt, Hx., M12 -1.75 x 30mm				
13	P04051	2	Bolt, Hx., M6 -1 x 10mm		NOTES:		
14	P27065	2	Lock Plate				rriers, Items 18 & 19 must be purchase
15	P27049	2	Ring Nut		for rep		
16	F)P26991	2	Bearing	1	, ,		r 12 Bolt Carriers.
17	A)P27066	1	Ring Gear & Pinion				rriers, Items 17 & 18 must be purchase
18	B)P26992	16	Bolt, Hx.		for rep		Dama##
19	C)P27048	1	Differential Case				use P27057.
20	D)P26987	1	Change Selector				use P27067.
21	P27044	1	Bearing Cap Retainer		1 '		use P27017.
22	P27056	2	Thrust Washer, Gear		G) Not us	ea 5/N "	000".
23	P27051	2	Differential Side Gear		1		
24	P27050	4	Pinion Gear		1100011 6	/NI 404	440 404 402 400 424 424 450 450 464
25	P27055	4	Thrust Washer, Pinion		"000" = S/	N 101 -	116, 121 - 123, 126 - 131, 134 - 152, 159 = 161.
26	P27034	3	Roll Pin				
27	P27053	2	Pin, Gear				
28	P27054	1	Retainer, Pin				1904-A
29	P27052	2	Pin, Gear		* Not !!!	ustrated	
30	P27063	1	Retainer, Spring				
31	P27064	1	Spring	522 S/N 101 THRU 4/89			4/89
32	P27011	1	O-Ring	FRO	NT DRIVE A	XLE AS	SSEMBLY (Hurth)

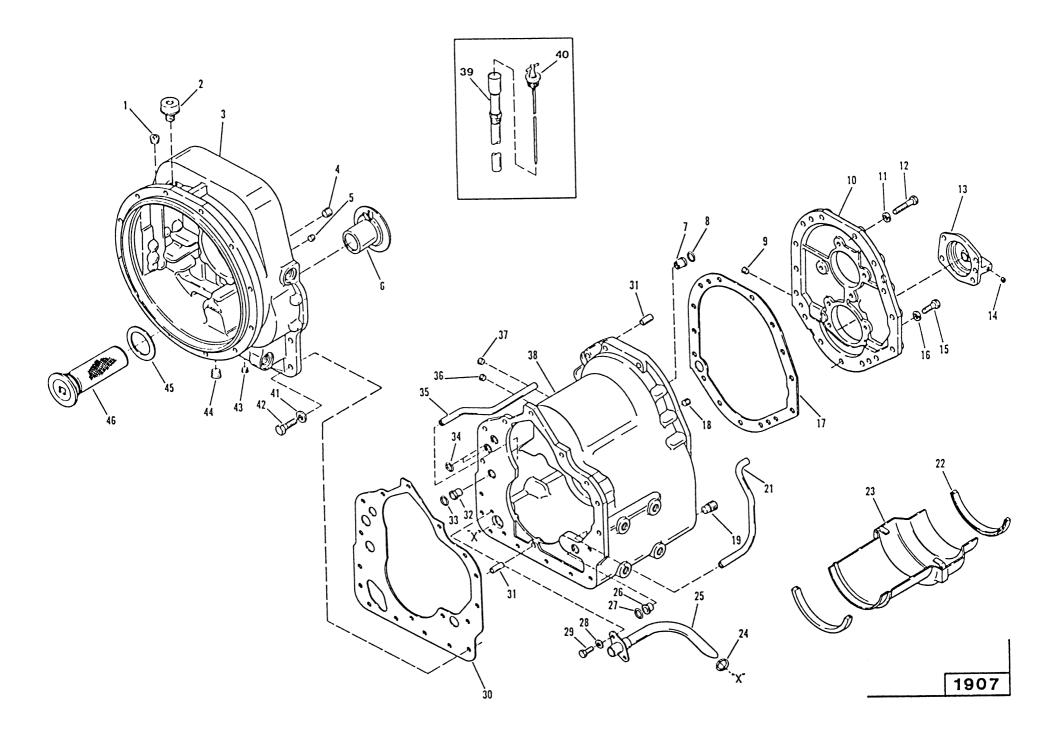


ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEN.	PART	0774		
		T	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	
1 1	P25653	1 1	Vent	1				
2	P26998	2	Pipe Plug					
3	P27042	1 1	Axle Case	1				
4	P25657	3	Plug, Magnet					
5	P25602	4	Seal					
6	P27013	2	O-Ring			1		
7	P25601	1 1	Cover					
8	P25553	1 1	O-Ring	ļ				
9	P27040	1 1	Case, Differential					
10	P27043	1 1	Axle Case			1		
11	P25669	4	Bolt, Socket Hd., M8 - 1.25 x 12mm					
12	P27092	10	Brake Disc					
13	P27083	10	Brake Disc, Intermediate					
14	P27084	2	Spacer			1		
15	P27080	1 1	Brake Lever	1				
16	P27036	2	Plug	İ		İ		
17	P27081	1 1	Brake Lever					
18	P27090	16	Snap ring					
19	P27020	16	Cup Spring	1				
20	P27014	8	Circlip	1				
21	P27088	8	Ring					
22	P27087	8	Ring					
23	P27085	8	Piston					
24	P27089	8	Ring					
25	P27086	6	Pin					
26	P27091	4	Pusher					
27	P27082	2	Flange					
28	P27003	2	O-Ring					
29	P27093	2	Spacer					
30	P27039	2	Change Lever					
31	P27059	2	Spacer					
32	P26995	2	Bolt, Countersunk, M8 -1.25 x 18mm					
33	P04852	8	Bolt, Socket Hd., M6-1 x 16mm					
			, , , , , , , , , , , , , , , , , , , ,					
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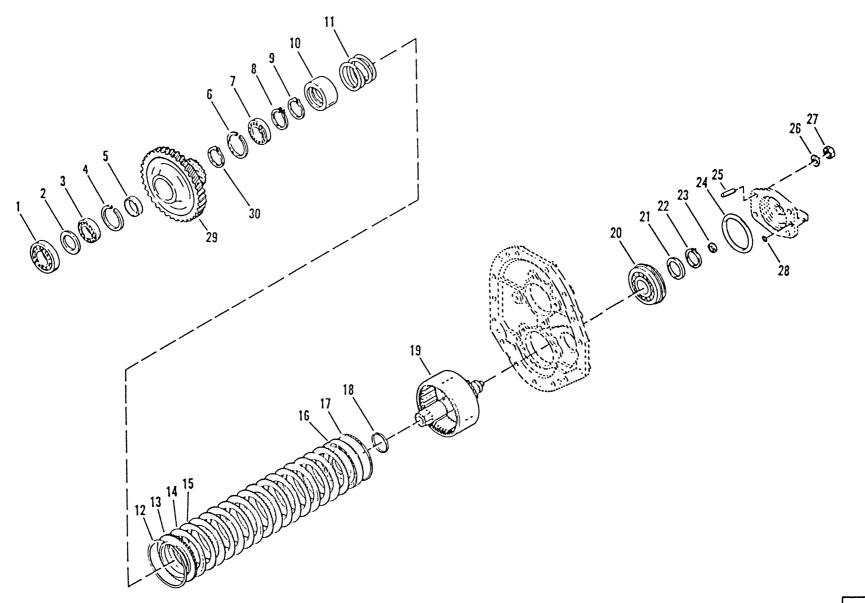
							1905-A	
				522 S/N 101 THRU 4/89				
		L		FRON	I DRIVE A	KLE AS	SEMBLY (Hurth)	



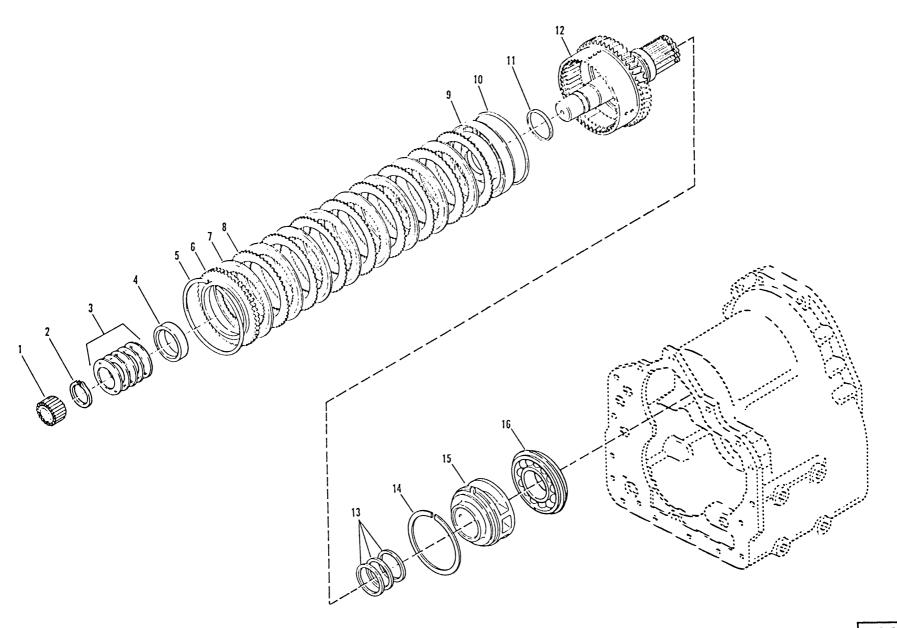
ITEM 1 2	NUMBER P27076	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	
1 1	P27076) 1				, u.,.	DESCRIPTION
1 1		8	Dowel	34	P26996		Dalt the Managers of
1 1	P25658	2	Plug	35	P27068	8	Bolt, Hx., M14-1.5 x 45mm Half Shaft
3	P27078	28	Stud	33	F27008	2	naii Snait
4	P25673	28	Nut, Hx., M12 - 1.75				
5	P27041	2	Axle Case, Lateral				
6	P27035	2	Roll Pin				
7	P27074	12	Washer, Keyed			1	
8	P27019	12	Needle Bearing			1 1	
9	P27071	6	Planet Gear				
10	P25564	4	Bearing				
11	P27079	2	Wheel Hub		1		
12	P27008	2	O-Ring				
13	P27070	2	Ring Gear				
14	P27007	2	O-Ring		İ		
15	P27075	2	Spacer				
16	P25558	2	Seal			1	
17	P27015	2	Circlip				
18	P25656	2	Plug				
19	P25586	A/R	Shim010mm				
	P27030	-	Shim020mm		ł		
1 1	P27031	-	Shim030mm				
1 1	P27032	_	Shim050mm				
1	P27033	-	Shim100mm				
20	P27077	6	Spacer		Ì		
21	P26999	16	Wheel Stud				
22	P27000	16	Wheel Nut				
23	P25661	24	Bolt, Hx., M12 - 1.75 x 30mm		l		
24	P27069	2	Drive Flange				
25	P26993	2	Seal Washer				
26	P27038	2	Plug				
27	P27005	6	O-Ring		1		
28	P27073	6	Pin, Planet Gear		j		
29	P27001	2	Seal	1			
30	P25659	2	Pipe Plug				
31	P27025	A/R	Shim - 0.15mm		ļ		
	P27026	-	Shim - 0.20mm				\$
	P27027	-	Shim - 0.25mm				1906-A
	P27028	-	Shim - 0.30mm				1000 A
32	P27016	2	Snap Ring	522 S/N 101 THRU 4/8			
33	P27072	2	Ring Gear Support	FRONT DRIVE AXLE ASSEMBLY (Hurth)			



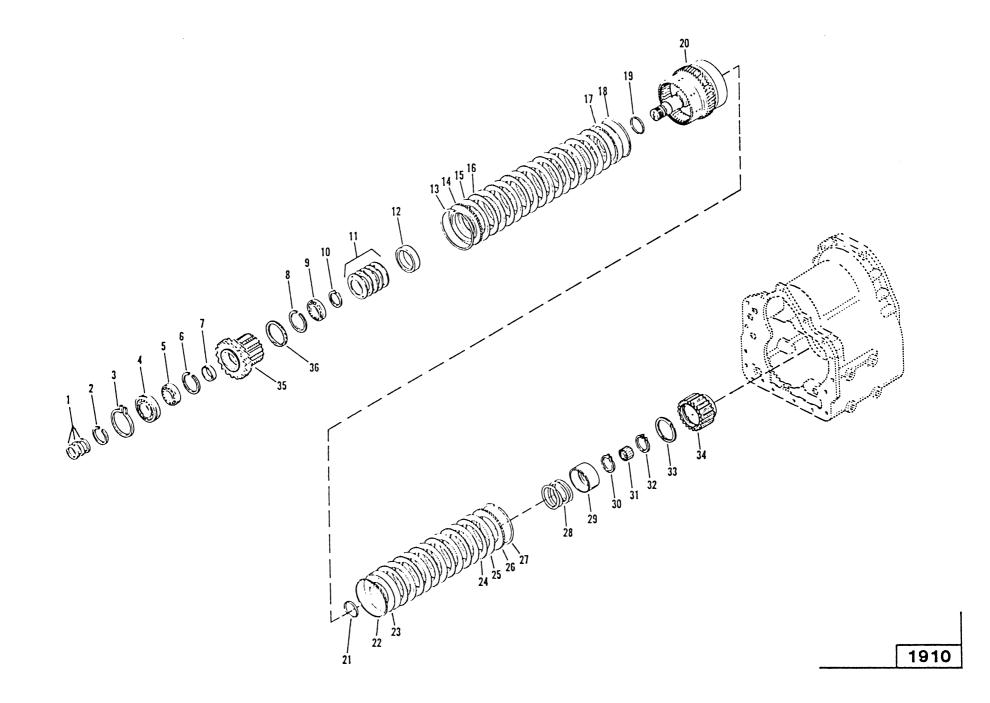
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
				1			7 200	
1	P26940	1	Pipe Plug	41	P20503	16	Lockwasher, Housing to Case	
2	P26930	1	Air Breather	42	P20590	16	Screw, Housing to Case	
3	A)P26906	1	Converter Housing	43	P26939	1	Pipe Plug	
4	P20586	1	Pipe Plug	44	P20586	1	Pipe Plug	
5	P26939	1	Pipe Plug	45	P20593	1	Gasket, Screen	
6	P20588	1	Sleeve, Converter Housing	46	P20594	1	Screen	
7	P20597	1	Tube Sleeve					
8	P20596	1	O-Ring					
9	P26939	1	Pipe Plug					
10	P26908	1	Rear Cover (Includes Item 9)					
11	P20503	9	Lockwasher					
12	P23402	9	Screw, Rear Cover To Case	ł				
13	P26910	1	Rear Bearing Cap (Includes Item 14)					
14	P20707	1	Plug					
15	P20590	6	Screw, Rear Cover to Case					
16	P20503	6	Lockwasher					
17	P26902	1	Gasket, Rear Cover					
18	P26940	1	Pipe Plug	1				
19	P20614	2	Drain Plug, Magnetic					
21	P26920	1	Clutch Lube Tube					
22	P26904	2	Seal, Oil Baffle					
23	P26903	1	Oil Baffle	}				
24	P23311	1	O-Ring, Suction Line			1		
25	P26901	1	Suction Tube					
26	P20627	1	Tube Sleeve		NOTES:			
27	P20596	1	O-Ring, Pressure Tube		A) For S	/N 101 -	· 223, use P26933.	
28	P20621	2	Lockwasher	1				
29	P20622	2	Screw, Suction Line Retainer	İ		1		
30	P20595	1	Gasket, Converter Housing					
31	P20607	3	Dowel Pin					
32	P20597	1	Tube Sleeve	1				
33	P20596	1	O-Ring, Pressure Tube	1				
34	P20501	2	O-Ring, Clutch Pressure					
35	P10601	1	Low Speed Clutch Pressure Tube					
36	P26940	1	Pipe Plug	1				
37	P26957	1	Pipe Plug					
38	P26921	1 1	Transmission Case				1907-A	
			(Includes Items 7, 21 - 26, 28, 29, 32, 35)					
39	P26911	1	Dipstick Tube	522 S/N 101 THRU 4				
40	P26951	1 1	Dipstick			CVCE		
	L	لينيا	- p-2-2-1	TRANSMISSION CASE GROUP ASSEMBLY				



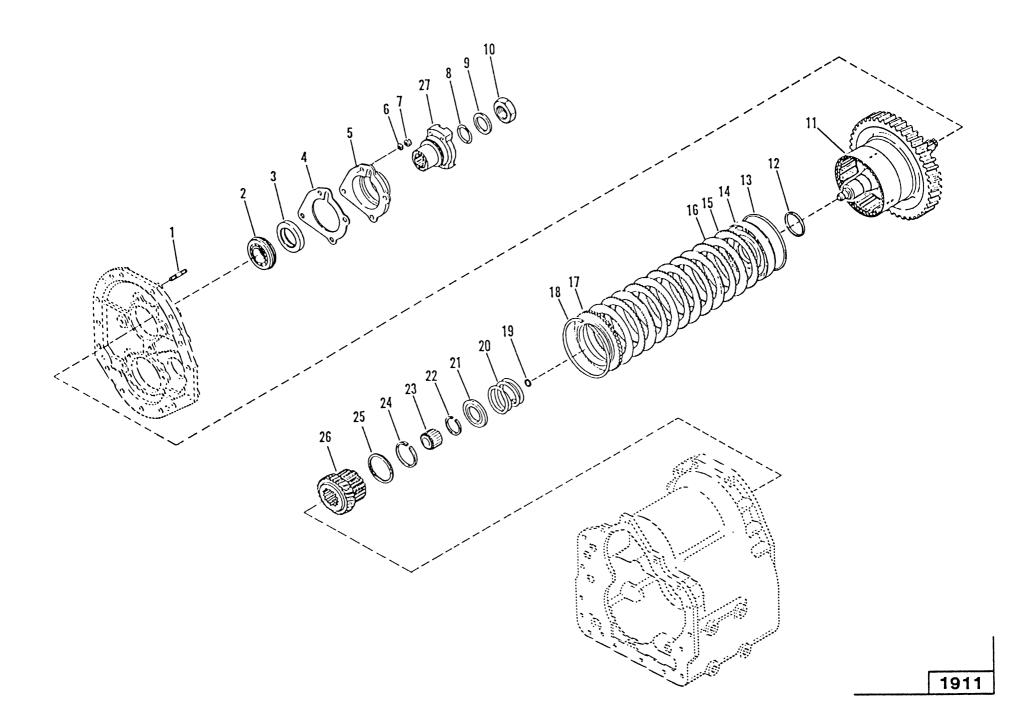
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION		
		_							
1	P20661	1 1	Low Speed Clutch Shaft Front Bearing						
2	P20662	1 1	Front Bearing Spacer						
3	P20663	1 1	Low Speed Gear Bearing	1					
4	P20664	1	Locating Ring						
5	P20665	1	Low Speed Gear Spacer						
6	P20664	1 1	Locating Ring						
7	P20663	1	Low Speed Gear Bearing						
8	P20651	1 1	Retaining Ring						
9	P20643	1 1	Spring Retainer Snap Ring						
10	P20644	1	Spring Retainer						
11 12	P20645 P20773	1	Piston Return Spring						
13	P20773 P20774	1 1	Backing Plate Snap Ring	1					
14	1	1	Clutch Disc Backing Plate	1					
15	P26905	8	Clutch Inner Disc	1					
16	P20776 P20777	8	Clutch Outer Disc						
1		1	Clutch Piston						
17	P20778	1 1	Outer Clutch Piston Ring	İ					
18	P20779	1	Inner Clutch Piston Seal						
19	P26915	1 1	Low Clutch Shaft Drum & Bleed Valve						
20	P20698	1 1	Low Speed Shaft Rear Bearing						
21	P20699	1 1	Rear Bearing Support Washer						
22	P20651	1	Rear Bearing Retaining Ring	1					
23	P20701	1 1	Low Shaft Piston Ring						
24	P20702	1	Rear Bearing Cap O-Ring						
25	P26937	4	Bearing Cap Stud						
26	P20503	4	Bearing Cap Stud Lockwasher		1				
27	P20507	4	Bearing Cap Stud Nut						
28	P20708	1	Bearing Cap O-Ring						
29	P26963	1	Low Shaft Gear (Includes Item 30)		l				
30	P26945	1	Retaining Ring	1	İ				
					1				
					1				
				1	1				
				1					
								1908-A	
								1300-A	
				522 S/N 101 THRU 4/89					
				LOW SPEED SHAFT GROUP ASSEMBLY					



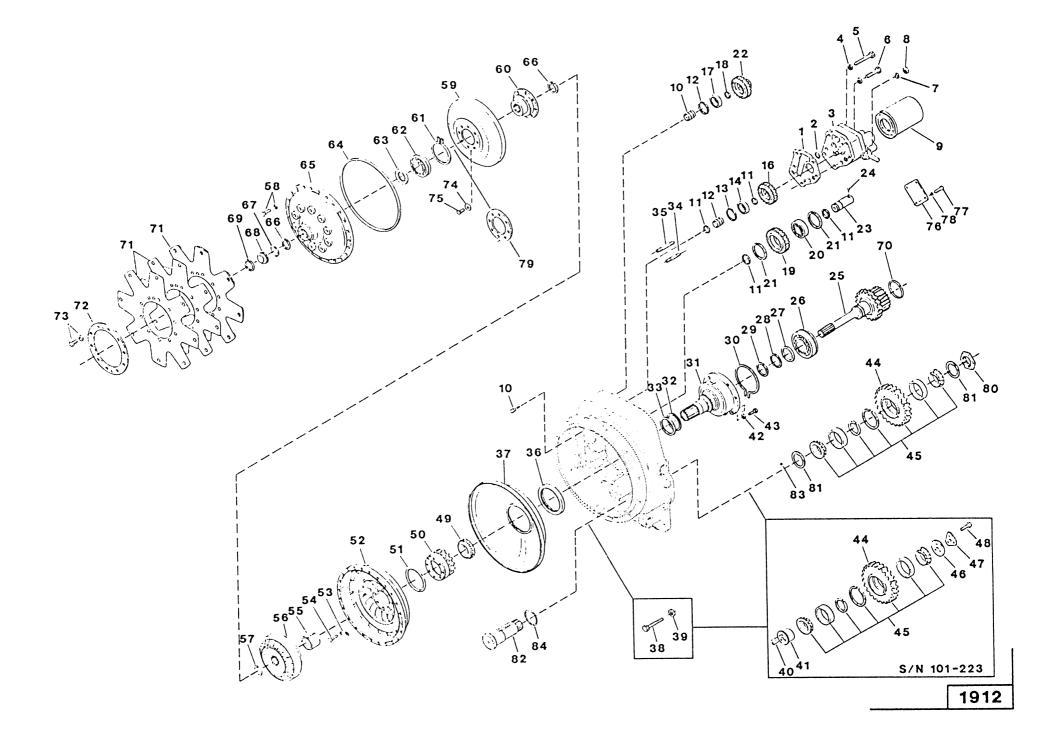
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION		
	Banco	4	Femurand Check Biles Beauti						
1 2	P20660 P26919	1	Forward Shaft Pilot Bearing						
3	P26917	5	Spring Retaining Snap Ring Piston Return Spring						
4	P26916	1	Piston Return Spring Piston Return Spring Spacer						
5	P20773	1	Backing Plate Snap Ring						
6	P20774	1	Clutch Disc Backing Plate						
7	P26912	8	Clutch Inner Disc						
8	P20776	8	Clutch Outer Disc					į	
9	P20777	1	Clutch Piston						
10	P20778	1	Clutch Piston Ring - Outer						
11	P20779	1	Clutch Piston Seal - Inner						
12	P26918	1	Forward Shaft Drum						
13	P20693	4	Forward Shaft Piston Ring	l					
14	P20694	1	Piston Ring Sleeve Retaining Ring						
15	P20695	1	Piston Ring Sleeve			j			
16	P26948	1	Forward Shaft Rear Bearing	ł					
			-						
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				ļ.				j	
								İ	
				1					
							ſ	1909-A	
								1909-A	
				522 S/N 101 THRU 4/89					
				FORWARD SHAFT GROUP ASSEMBLY					



ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION		
				T	Nomber	T	DESCRIPTION		
1	P20633	3	Reverse & 2nd Shaft Piston Ring						
2	P20634	2	Front Bearing Retaining Ring						
3	P20635	1 1	Front Bearing Snap Ring						
4	P20636	1 1	Reverse & 2nd Shaft Front bearing	1					
5	P23424	1	Clutch Driven Gear Bearing	1					
6	P20638	1	Bearing Retaining Ring						
7	P20639	1	Clutch Driven Gear Bearing Spacer	1					
8	P20638	1	Bearing Retaining Ring						
9	P20637	1	Clutch Driven Gear Bearing						
10	P26919	1 1	Spring Retainer Snap Ring						
11	P26917	5	Piston Return Belleville Springs	1					
12	P26916	1 1	Piston Return Spring Spacer	1					
13	P20773	1 1	Backing Plate Snap Ring	ı					
14	P20774	1 1	Clutch Disc Backing Plate						
15	P26912	8	Clutch Inner Disc		Į.				
16	P20776	8	Clutch Outer Disc			ļ			
17	P20777	1	Clutch Piston						
18	P20778	1	Outer Clutch Piston Seal			1			
19	P20779	1	Inner Clutch Piston Seal						
20	P26950	1 1	Reverse & 2nd Shaft			İ			
21	P20779	1	Inner Clutch Piston Seal						
22	P20778	1	Outer Clutch Piston Seal						
23	P20516	1	Clutch Piston	1		ŀ			
24	P20776	6	Clutch Outer Disc						
25	P26912	6	Clutch Inner Disc	1					
26	P20774	1	Clutch Disc Backing Plate	İ					
27	P20773	1 1	Backing Plate Snap Ring						
28	P20645	1	Piston Return Spring						
29	P20644	1 1	Spring Retainer						
30	P20643	1	Spring Retainer Snap Ring	1					
31	P20650	1	Reverse & 2nd Shaft Rear Bearing						
32	P20651	1	2nd Clutch Disc Hub Snap Ring						
33	P26945	1	Retaining Ring	1					
34	P26946	1	2nd Clutch Disc Hub (Includes Item 33)	1					
35	P26961	1 1	Reverse Clutch Gear (Includes Item 36)						
36	P26945	1	Retaining Ring						
	-		3					1910-A	
				522 S/N 101 THRU 4/89					
				REVERSE & 2ND SHAFT GROUP ASSEMBLY					

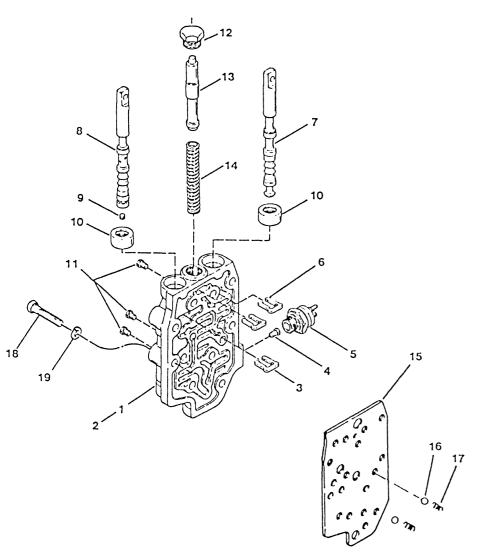


ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION		
1	P26938	1	Output Book Booking Con Stud						
1 2	P26953	4	Output Rear Bearing Cap Stud Output Shaft Rear Bearing						
3	P26909		Rear Bearing Cap Oil Seal	İ					
4	P26909	1 1	Rear Bearing Cap On Sear						
5	P26949	1	Output Shaft Rear Bearing Cap	1					
6	P11922	4	Bearing Cap Stud Lockwasher					Í	
7	P20719	4	Bearing Cap Stud Lockwasher Bearing Cap Stud Nut						
8	P23335	1	Flange O-Ring						
9	P23334	1	Flange Washer						
10	P23333	1	Flange Nut						
11	P26914	1	Output & 3rd Clutch Shaft, Drum			1			
12	P20779	1	Inner Clutch Piston Seal						
13	P20778	1	Outer Clutch Piston Seal						
14	P20516	1	Clutch Piston Assembly					i	
15	P20776	6	Clutch Outer Disc						
16	P26912	6	Clutch Inner Disc						
17	P20774	1	Clutch Disc Backing Plate						
18	P20774 P20773	1	Backing Plate Snap Ring	1					
19	P20773	1	Output Shaft Piston ring	j					
20	P20701	1	Piston Return Spring	1	1	1		1	
21	P20643	1						1	
22	3	1	Spring Retainer	1		1			
i	P20643	1	Spring Retainer Snap Ring		1				
23	P26900	1	Pilot Bearing	ł					
24	P20654	1	3rd Gear & Hub Retainer Ring						
25	P26945	1	Retaining Ring				·		
26	P26962	1	3rd Gear & Hub (Includes Item 25)	l	l				
27	P23336	1	Output Flange	l		l			
]		1		1			
								1	
								İ	
1		1							
1								1	
							Г	1011 1	
								1911-A	
				522 S/N 101 THRU 4/89					
				OUTPUT & 3RD CLUTCH GROUP ASSEMBLY					

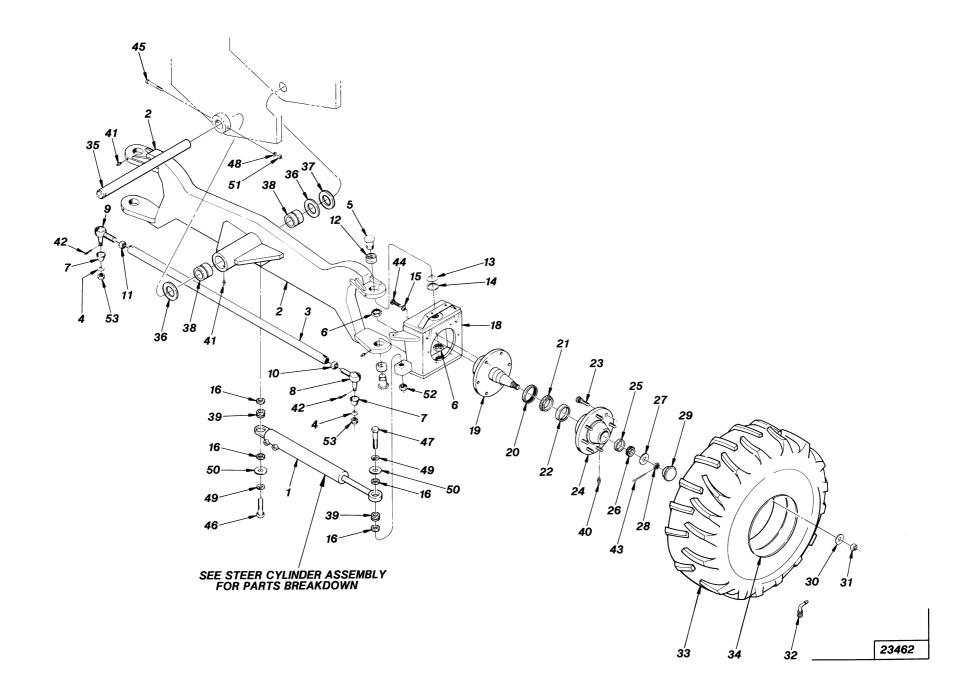


ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	077	DESCRIPTION		
			DECOMM HOW	TIEM	HOMBER	QTY.	DESCRIPTION		
1	P20500	1	Pump to Housing Gasket	42	P20538	6	Stator Support Screw Lockwasher		
2	P20501	1	O-Ring	43	P20537	6	Stator support Screw		
3	P20502	1	Charging Pump Assembly	44	P26934	1 1	Reverse Idler Gear		
4	P20503	3	Pump Mounting Screw Lockwasher	45	P20540		Reverse Idler Gear Bearing		
5	P26955	1	Pump Mounting Screw	46	A)P20543	1	Bearing Retaining Plate		
6	P20504	2	Pump Mounting Screw	47	A)P20544	1 1	Lock Plate		
7	P20503	2	Pump Mounting Stud Lockwasher	48	A)P26959	3	Retaining Plate Screw		
8	P20507	2	Pump Mounting Stud Nut	49	P26929	1	Impeller Hub Gear Bearing		
9	P19868	1	Filter, Transmission	50	P26927	1	Impeller Hub Gear		
10	P20509	4	Bearing Support Screw & Lockwasher	51	P20548	1	Impeller Hub O-Ring		
11	P20510	5	Bearing Locating Ring	52	P20549	1	Impeller		
12	P20511	2	Pump Drive Bearing Support	53	P20550	4	Impeller to Hub Screw Lock Tab		
13	P20512	1	Bearing Retaining Ring	54	P26958	8	Impeller to Hub Screw		
14	P20513	1	Pump Drive Gear Bearing	55	P26952	1			
16	P26923	1	Pump Drive Gear	56	P20553		Impeller to Hub Bearing Spacer Reaction Member		
17	P20520	1	Bearing Retaining Ring, Auxiliary	57	P20554		Retaining Ring		
18	P26925	1	Pump Drive Gear Bearing, Auxiliary	58	P20555	24	Impeller to Cover Screw & Lockwasher		
19	P26922	1	Pump Drive Idler Gear	59	P26942	1	Turbine		
20	P26926	1	Idler Stub Shaft Bearing	60	P26943	1 1	Turbine Turbine Hub		
21	P20664	2	Bearing Retaining Ring	61	P20558				
22	P26941	1 1	Auxiliary Pump Drive Gear	62	P20559		Turbine Hub Bearing Locating Ring		
23	P26924	1	Idler Gear Stub Shaft	63	P20560	1 1	Turbine Hub Bearing		
24	P20523	1	Stub Shaft Lockball	64	P20561		Bearing Retaining Washer		
25	P26944	1 1	Turbine Shaft	65	P20562		Impeller to Cover O-Ring		
26	P20525	1	Turbine Shaft Bearing	66	P20556	1 1	Impeller Cover		
27	P20526	1	Bearing Locating Washer	67	P20564	2 1	Turbine Retaining Ring		
28	P20527	1	Bearing Retaining Ring	68	P20565		Impeller Cover Bore Plug O-Ring		
29	P20528	1	Piston Ring	69	P26954	1 1	Bore Plug		
30	P20529	1	Bearing Snap Ring	70	P26945	1 1	Bore Plug Retaining Ring		
31	P26947	1	Stator Support	71	P26943	1 1	Retaining Ring, Turbine Shaft		
32	P20531	1	Piston Ring Expander Spring	72	1	1 1	Driveplate		
33	P26928	1	Piston Ring	73	P20569 P20570	1 1	Driveplate Backing Ring		
34	P26934	1	Pump Mounting Stud	74	A)P23380	10	Driveplate Mounting Screw & Lockwasher		
35	P26935	1	Pump Mounting Stud	75	P23383	12	Washer, Turbine to Hub		
36	P20535	1	Oil Seal	76	P26931	12	Screw, Turbine to Hub		
37	P20536	1	Oil Baffle	10	F20931] 1	Cover, Pump		
38	A)P26960	3	Screw, Reverse Idler Shaft		Continued	on next r	page 1912-A		
39	A)P20503	3	Lockwasher, Reverse Idler Shaft	1		o p	1312-A		
40	A)P20541	4	Reverse Idler Shaft Pin	E00 0	N 404 TUD!!				
41	A)P26932	1	Reverse Idler Shaft		N 101 THRU	···	4/89		
	AJI 20302	'	neverse ther shall	CONVERTER HOUSING GROUP ASSEMBLY PAGE 1 OF 2					

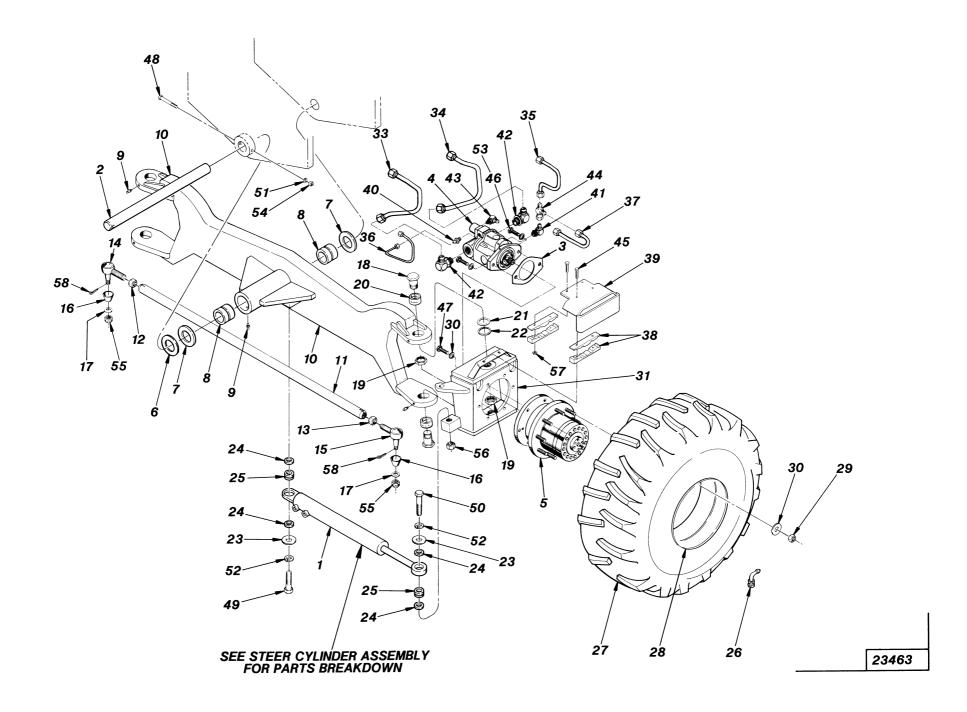
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION		
77 78 79 80 81 82 83	P26956 P11929 P29305 P29304 P29303 P29302 P29301 P29300	4 1 1 2 1 1	Capscrew, Pump Cover Lockwasher, Pump Cover Ring Washer, Turbine to Hub Nut, Bearing Retainer Thrust Washer, Idler Gear Idler Shaft, Reverse Lockball, Idler Shaft O-Ring, Idler Shaft						
	NOTES: A) Used (S/N 101	- 223 only.						
								1912-A	
				522 S/N 101 THRU 4/89					
				CONVERTER HOUSING GROUP ASSEMBLY PAGE 2 OF 2					



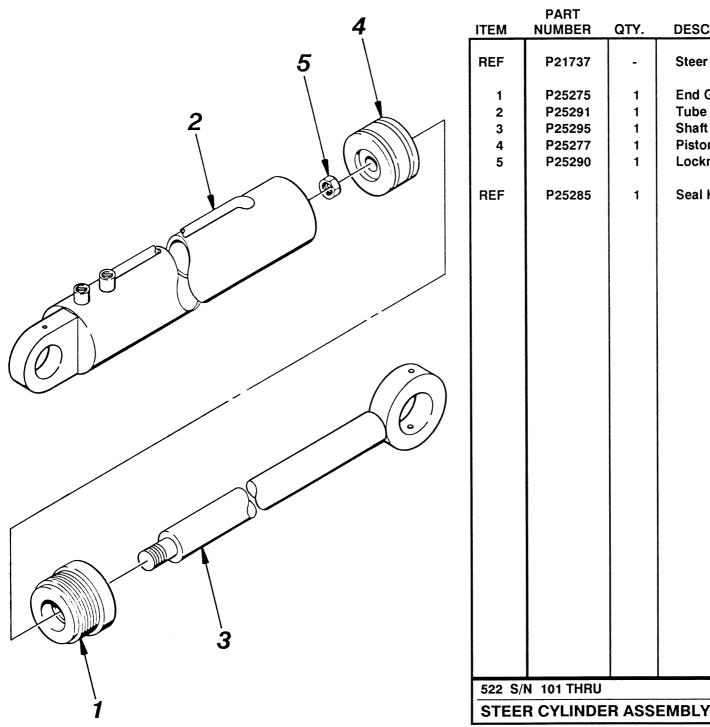
1	ITEM	PART NUMBER	QTY.	DESCRIPTION	
Control Valve Assembly (Includes Items 3-14)					
2	·	. 200.0			
Control Valve Spool Stop Speed Selector Spool (Includes Item 9)	2	P20809	REF	·	
4 P20811 1 Switch Actuating Pin 5 P20812 1 Neutral Switch 6 P20810 1 Valve Spool Stop 7 P20815 1 Forward & Reverse Valve Spool 8 P20805 1 Speed Selector Spool (Includes Item 9) 9 P23529 1 Plug 10 P20807 2 Oil Seal 11 P20808 3 Pipe Plug 12 P20816 1 Plug 13 P20817 1 Valve Spool 14 P20818 1 Control Valve Spring 15 P20580 1 Gasket, Control Valve 16 P11892 2 Detent Ball 17 P20582 2 Detent Barl 18 P20577 9 Screw 19 P20538 9 Lockwasher					
5 P20812 1 Neutral Switch 6 P20810 1 Valve Spool Stop 7 P20815 1 Forward & Reverse Valve Spool 8 P20805 1 Speed Selector Spool (Includes Item 9) 9 P23529 1 Plug 10 P20807 2 Oil Seal 11 P20808 3 Pipe Plug 12 P20816 1 Plug 13 P20817 1 Valve Spool 14 P20818 1 Control Valve Spring 15 P20580 1 Gasket, Control Valve 16 P11892 2 Detent Ball 17 P20582 2 Detent Spring 18 P20577 9 Screw 19 P20538 9 Lockwasher 1933 1933 1943 195 195 195 195 196 197 197 197 197 197 198 198 199 199	3	P20810	2	Valve Spool Stop	
6	4	P20811	1	Switch Actuating Pin	
7	5	P20812	1	Neutral Switch	
8	6	P20810	1 1	Valve Spool Stop	
9	7	P20815	1	Forward & Reverse Valve S	looq
10	8	P20805	1	Speed Selector Spool (Inclu	ides Item 9)
11 P20808 3 Pipe Plug 12 P20816 1 Plug 13 P20817 1 Valve Spool 14 P20818 1 Control Valve Spring 15 P20580 1 Gasket, Control Valve 16 P11892 2 Detent Ball 17 P20582 2 Detent Spring 18 P20577 9 Screw 19 P20538 9 Lockwasher 1913 1913	9	P23529	1	Plug	·
12	10	P20807	2	Oil Seal	
13	11	P20808	3	Pipe Plug	
14	12	P20816	1	Plug	
15	13	P20817	1	Valve Spool	
16 P11892 2 Detent Ball 17 P20582 2 Detent Spring 18 P20577 9 Screw 19 P20538 9 Lockwasher 1913	14	P20818	1	Control Valve Spring	
17	15	P20580	1	Gasket, Control Valve	
18 P20577 9 Screw Lockwasher 19 P20538 9 Lockwasher 1913	16	P11892	2	Detent Ball	
19 P20538 9 Lockwasher 1913 522 S/N 101 THRU 4/89	17	P20582	2	Detent Spring	
1913 522 S/N 101 THRU 4/89	18	P20577	9	Screw	
522 S/N 101 THRU 4/89	19	P20538	9	Lockwasher	
522 S/N 101 THRU 4/89	ļ				
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CONTROL VALVE GROUP ASSEMBLY	522 S	N 101 THRU			4/89
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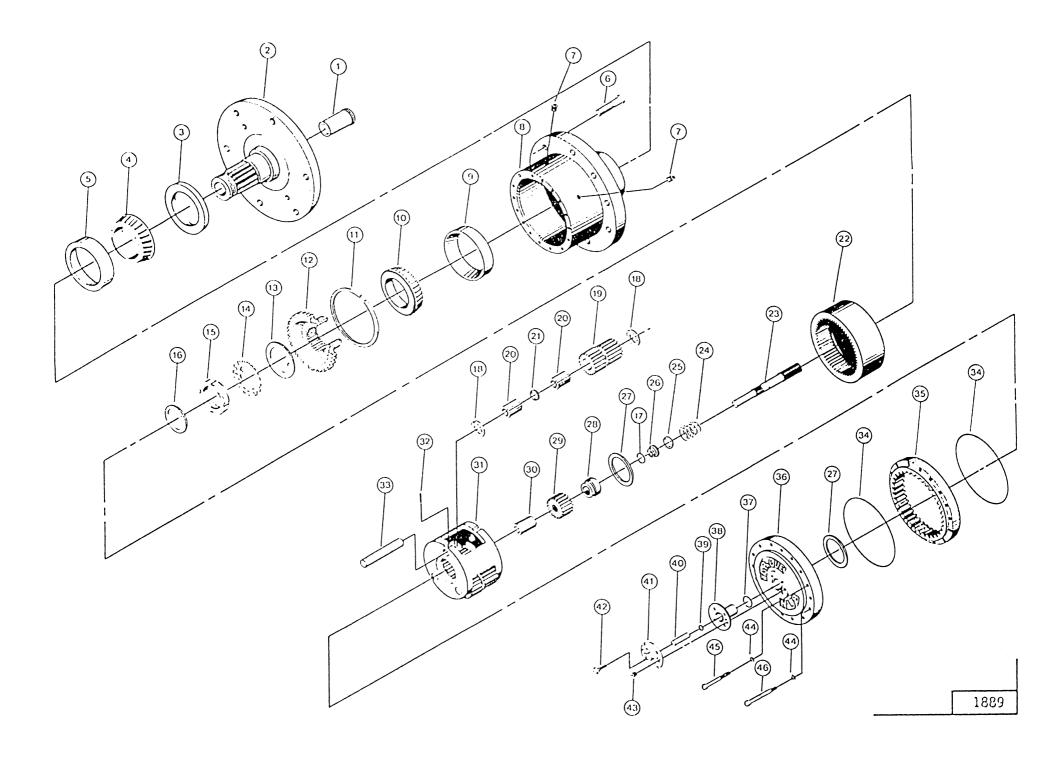
	PART				PART		
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION
	A)P21737	2	Steer Cylinder	41	P16611	6	Grease Zerk
1 2	P27321	1	Steer Axle	42	P03840	2	Cotter Pin, 1/8" x 1 1/2"
1	P27321 P25739	1	Tie Rod	43	P03869	2	Cotter Pin, 3/16" x 2 1/2"
3	P25739 P25799	2	Washer, Hardened	43	P03609 P00602	12	Bolt, Hx., 5/8"-11 x 1 1/2"
4	P25799 P25798	4	Pivot Pin	45	P00602 P00664	1 1	Bolt, Hx., 5/8"-18 x 5"
5	P25796	4	Jam Nut, Pivot Pin	46	P00004	2	Bolt, Hx., 1"-14 x 3 1/4"
6 7	P25796 P25793	2	Rubber Seal	47	P00957	2	Bolt, Hx., 1"-14 x 4"
	P25793 P25792	1	Tie Rod End (L.H. Thread)	48	P00300 P01314	1	Lockwasher, 5/8"
8	P25792 P25791	1	Tie Rod End	49	P01314 P01317	4	Lockwasher, 1"
9		1		50	P01317	4	Flatwasher, 1" SAE
10	P25790 P25789	1	Jam Nut (L.H. Thread) Jam Nut	51	P01442 P01535	1	Nut, Hx., 5/8"-18
12		4	Bearing, Spherical	52	P01588	2	Jam Nut, Hx., 1"-14
13	P25788 P25787	2	Thrust Washer	53	P01588	2	Castle Nut, Hx., 5/8"-18
1	P25787	2	Thrust Washer	"	F01033	-	Castle Nat, 11x., 5/6-16
14 15	P25748	12	Machinery Bushing				
	P25746 P25741	8	Spacer Spacer				
16 17*	P25741 P25737	1	Housing, Spindle - R.H.	REF	P25077	_	Hub Assembly
	P25737 P25736	1	Housing, Spindle - L.H.	1 1121	123077	_	(Includes Items 22 - 25, 30, 31, & 40.)
18	P25736 P25740	2	Spindle				(includes items 22 - 25, 50, 51, & 40.)
19 20	P25740 P25079	2	Oil Seal				
20	P25079 P25078	2	Bearing, Inner				
22	P25078 P25083	2	Cup, Inner				
23	P25083 P25084	16	Wheel Lug Bolt				
24	P25084	2	Hub, Wheel				
25	P23082 P24329	2	Cup, Outer				
26	P24324	2	Bearing, Outer				
27	P25081	2	Washer, Bearing				
28	P25080	2	Nut, Hub Retainer				
29	P23080 P24321	2	Cap, Wheel Hub	1			
30	P25085	16	Washer, Lug Nut	1			
31	P25086	16	Lug Nut		NOTES:	!	
32	P25387	2	Valve Stem		1	Darte Rro	eakdown for Service Parts.
33	P26230	2	Tire, 14.0 x 17.5		A) See	raits Die	andown for Service Faits.
34	23412B	2	Rim, Wheel		ł		
35	23412B 23503A	1	Trunion Pin				
36	19110A	2	Shim, 3/16"				
37	P20431	A/R	Shim, 14 GA.	1	* Not I	llustrated	23462
38	P19108	2	Bushing, Axle Pivot		1,001	asiratet	
39	P11430	4	Bushing, Self - Align	522 S/	N 101 THRU		4/89
40	P11430	2	Grease Zerk			· A D O T	
1 **	F 13414	~	GICASE LEIK	I (STAN	NUAKU) KE	AK SII	EER AXLE ASSEMBLY



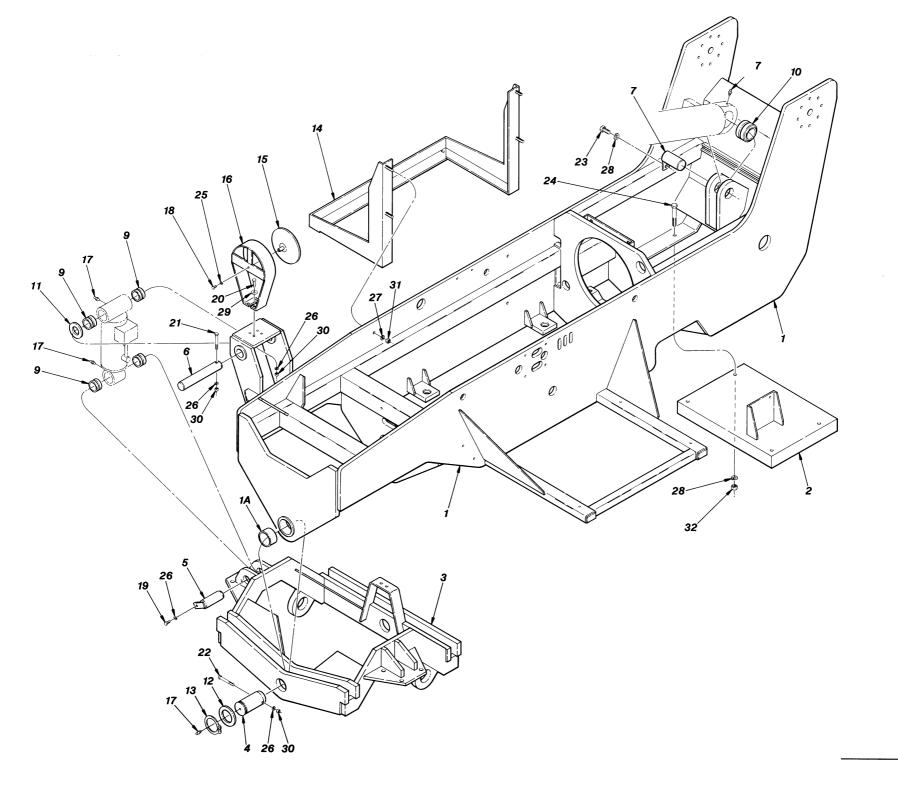
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
11EW	HOMBEN	GII.	DESCRIP HOW	1	I	T	DEGOTIII TIGIT	
1	A)P21737	2	Steer Cylinder	40	P18960	2	Connector, O-Ring	
2	23503A	1	Trunion Pin	41	P19724	2	90° Elbow, O-Ring	
3	P25794	2	Gasket, Motor	42	P19810	4	90° Elbow, O-Ring	
4	P27624	2	Motor, Variable	43	P21919	2	90° Elbow, O-Ring	
REF	P26001	-	Seal Kit, Variable Motor	44	P19412	2	Tee, Swivel	
5	A)P25745	2	Planetary Gear Box	45	P00207	8	Bolt, Hx., 3/8"-16 x 1 3/4"	
6	P20431	A/R	Shim, 14 GA	46	P00431	4	Bolt, Hx., 1/2"-13 x 1 1/2" (GR 8
7	19110A	2	Shim, 3/16"	47	P00602	12	Bolt, Hx., 5/8"-11 x 1 1/2"	
8	P19108	2	Bushing	48	P00664	1	Bolt, Hx., 5/8"-18 x 5"	
9	P16611	6	Grease Zerk	49	P00957	2	Bolt, Hx., 1"-14 x 3 1/4"	
10	P27321	1	Steer Axle	50	P00960	2	Bolt, Hx., 1"-14 x 4"	
11	P25739	1	Tie Rod	51	P01314	1	Lockwasher, 5/8"	
12	P25789	1	Jam Nut	52	P01317	4	Lockwasher, 1"	
13	P25790	1	Jam Nut (L.H. Thread)	53	P01437	4	Flatwasher, 1/2" SAE	
14	P25791	1	Tie Rod End	54	P01535	1	Nut, Hx., 5/8"-18	
15	P25792	1	Tie Rod End (L.H. Thread)	55	P01635	2	Castle Nut, Hx., 5/8"-18	
16	P25793	2	Rubber Seal	56	P01588	2	Jam Nut, Hx., 1"-14	
17	P25799	2	Washer, Hardened	57	P01658	4	Locknut, Hx., 5/8"-16	
18	P25798	4	Pivot Pin	58	P03840	2	Cotter Pin, 1/8" x 1 1/2"	
19	P25796	4	Jam Nut, Pivot Pin					
20	P25788	4	Bearing Spherical					
21	P25787	2	Thrust Washer					
22	P25786	2	Thrust Washer					
23	P25746	4	Flatwasher, 1" SAE					
24	P25741	8	Spacer					
25	P11430	4	Bushing, Self-Align					
26	P25387	2	Valve Stem					
27	P26230	2	Tire, Rear 14.0 x 17.5					
28	23811B	2	Rim, Wheel					
29	P17665	18	Lug Nut					
30	P25748	30	Machinery Bushing					
31	P25736	1	Box Frame, L.H.		Notes:			
32*	P25373	1	Box Frame, R.H.		A) See P	arts Brea	akdown for Service Parts.	
33	P25729	2	Hyd. Tube, 1/2" O.D. (L.F. & R.R.)					
34	P27625	2	Hyd. Tube, 1/2" O.D. (R.F. & L.R.)	1				
35	P27626	2	Hyd. Tube, 3/8" O.D.					22462
36	P25732	2	Hyd. Tube, 1/4" O.D.		* Not III	ustrated		23463
37	P25733	2	Hyd. Tube, 3/8" O.D.	560.0	N 404 TURY			4/00
38	P25734	4	Tube Clamp		N 101 THRU			4/89
39	P25735	2	Tube Guard	(POW	ER ASSIST	r) REAF	R STEER AXLE ASSEMBL	<u>.</u> Y



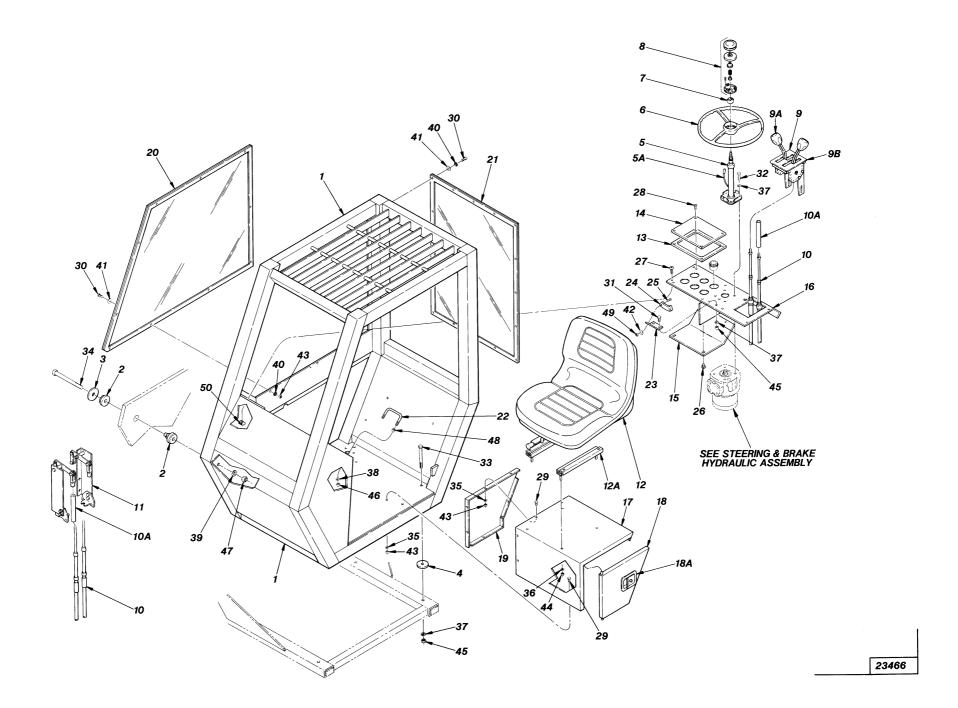
ITEM	PART NUMBER	QTY.	DESCRIPTION	
REF	P21737	-	Steer Cylinder	
1 2	P25275 P25291	1	End Gland Tube Weldment	
3 4	P25295 P25277	1 1	Shaft Weldment Piston	ŕ
5	P25290	1	Locknut	
REF	P25285	1	Seal Kit	
				23464
	N 101 THRU	D ACC	EMDIV	4/89
19166	R CTLINDE	U 499	CIVIDLT	



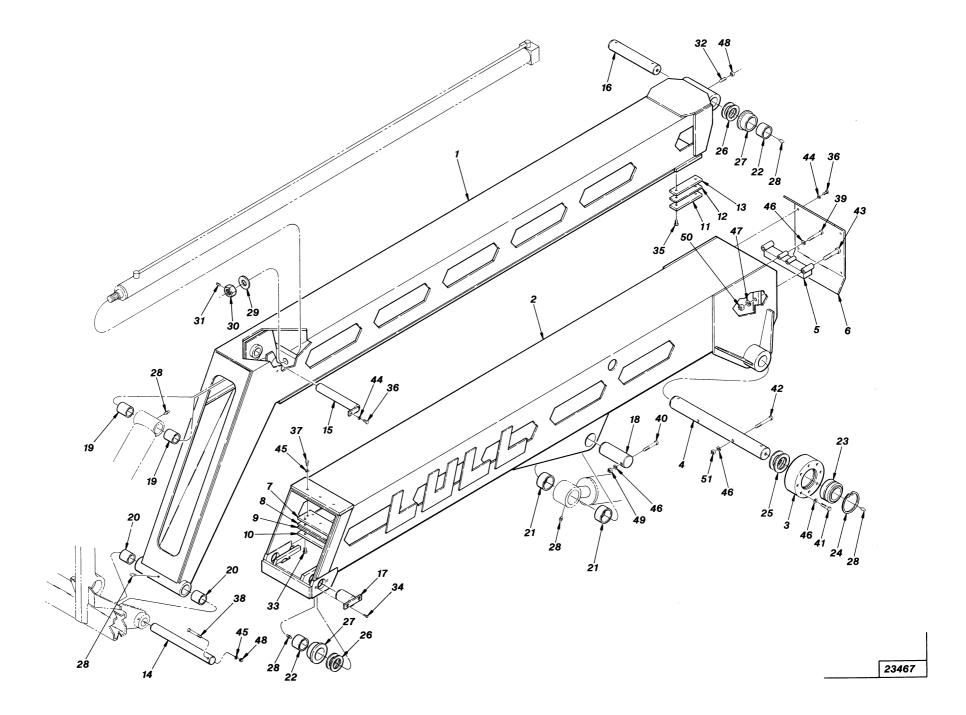
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
		<u> </u>	occom non	7	NOMBER	C(11.	DESCRIPTION
REF	P25745	_	Planetary Gear Box Assembly	39	N.S.S.	1	O-Ring
			t arrotary again box 7.00cmsty	40	P25770	1	Disconnect Rod
1 1	P25751	1	Coupling	41	P25769	1	Disconnect Cap
2	P25752	1	Spindle	42	P00003	4	Bolt, Hx., 1/4"-20 x 3/4"
3	N.S.S.	1 1	Spindle Seal	43	P10736	1	Pipe Plug
4	P25753	1	Bearing Cone	44	P01403	16	Flatwasher, 5/16"
5	P25754	1	Bearing Cup	45	P00136	12	Bolt, Hx., 5/16"-18 x 2 1/4" GR 8
6	P25771	9	Stud	46	P25749	4	Shoulder Bolt
7	P10737	2	Pipe Plug				choulder Bolk
8	P25755	1	Hub	REF	P25750	_	Seal Kit - Includes Items 3, 14, 34, 37, & 39
9	P25756	1 1	Bearing Cup				30 monades nems of 14, 54, 57, a 55
10	P25757	1 1	Bearing Cone				
11	P25758	1 1	Retaining Ring				
12	P25759	1	Internal Gear Hub				
13	P25760	1	Tongued Washer				
14	N.S.S.	1	Lockwasher	1			
15	P25761	1	Locknut		1		
16	P25763	1	Retaining Ring	l			
17	P25781	1	Retaining Ring	1			
18	P25773	6	Thrust Washer		İ		
19	P25777	3	Cluster Gear				
20	P25774	96	Needle Roller				
21	P25775	3	Spacer				
22	P25764	1	Internal Gear	1	ļ	•	
23	P25780	1	Input Shaft			ļ	
24	P25782	1	Spring				
25	P25762	1	Spacer				
26	P25765	1	Thrust Spacer				
27	P25785	2	Thrust Washer	1			
28	P25766	1	Input Spacer	1			
29	P25783	1	Input Gear				
30	P25784	1	Thrust Spacer				
31	P25772	1	Carrier				
32	P25778	3	Roll Pin				
33	P25776	3	Planet Shaft				
34	N.S.S.	2	O-Ring				4000 4
35	P25779	1	Ring Gear				1889-A
36	P25767	1	Cover			l	
37	N.S.S.	1	O-Ring	522 S	N 101 THRU	·	4/89
38	P25768	1	Cover Cap	PLAN	ETARY GEA	AR BOX	X ASSEMBLY (Rear Axle)



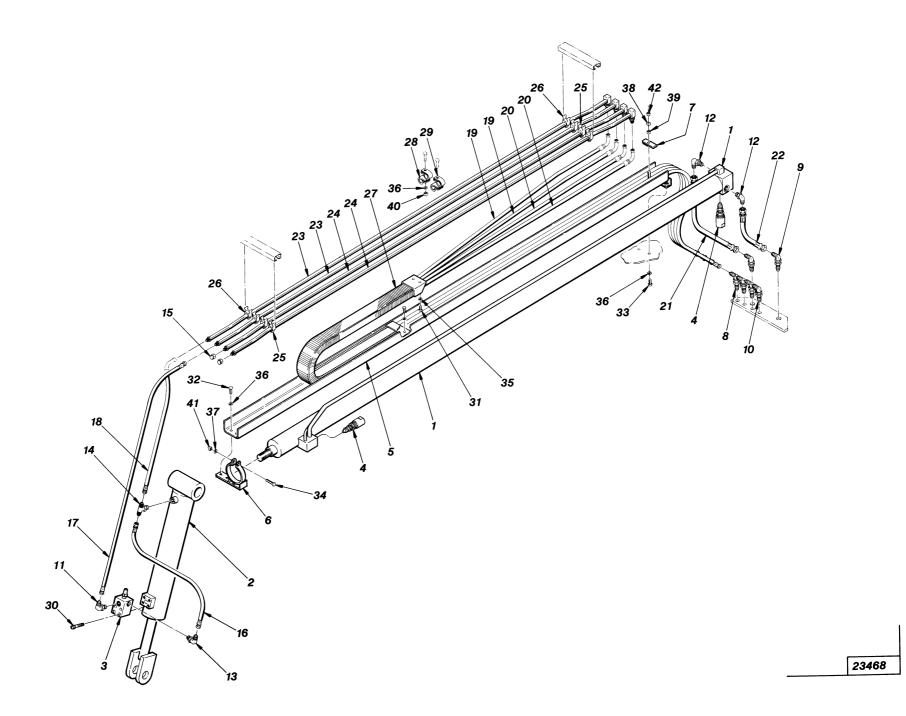
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
TT LIVI	HOMBER	<u> </u>	DESCRIPTION	112	I	1	DEGGIIII IIIGII	
1	23347R	1	Main Frame	I				
1A	P24284	REF	Bushing, Oscillation Frame					
2	24432B	1	Counterweight					
3	23337D	1	Oscillation Frame					
4	21163B	2	Pin, Oscillation Frame					
5	18336A	1	Pin, Frame Tilt-Lower					
6	A)24732A	1	Pin, Frame Tilt-Upper					
7	18082A	1	Pin, Hoist Cylinder					
9	P19106	4	Bushing, Frame Tilt Cylinder					
10	P20484	1	Bushing, Hoist Cylinder					
11	P21586	A/R	Shim, 14 GA.					
12	P24746	2	Shim, 14 GA.					
13	P21693	2	Retaining Ring					
14	P26266	1	Tank Support					
15	P21368	1	Mirror					
16	21355B	1	Bracket, Mirror Guard					
17	P16611	5	Grease Zerk					·
18	P00003	1	Bolt, Hx., 1/4"-20 x 3/4"					
19	P00202	1	Bolt, Hx., 3/8"-16 x 3/4"					
20	P00205	4	Bolt, Hx., 3/8"-16 x 1 1/4"					
21	P00215	1	Bolt, Hx., 3/8"-16 x 3 3/4"					
22	P00217	2	Bolt, Hx., 3/8"-16 x 4 1/2"			l		
23	P00601	1	Bolt, Hx., 5/8"-11 x 1 1/4"		ĺ			
24	P00614	4	Bolt, Hx., 5/8"-11 x 5"					
25	P01308	1	Lockwasher, 1/4"			1		
26	P01310	8	Lockwasher, 3/8"			İ		
27	P01312	4	Lockwasher, 1/2"					
28	P01314	5	Lockwasher, 5/8"					
29	P01404	4	Flatwasher, 5/8"					
30	P01508	7	Nut, Hx., 3/8"-16					
31	P01510	4	Nut, Hx., 1/2"-13					
32	P01512	4	Nut, Hx., 5/8"-11		NOTES:			
1					A) For S/	N 101 -	239, use 18339A.	
						1	I	
								23465
				522 5/	N 101 THRU			4/89
					FRAME AS	SEMB	LY	.,,00
		i		1				



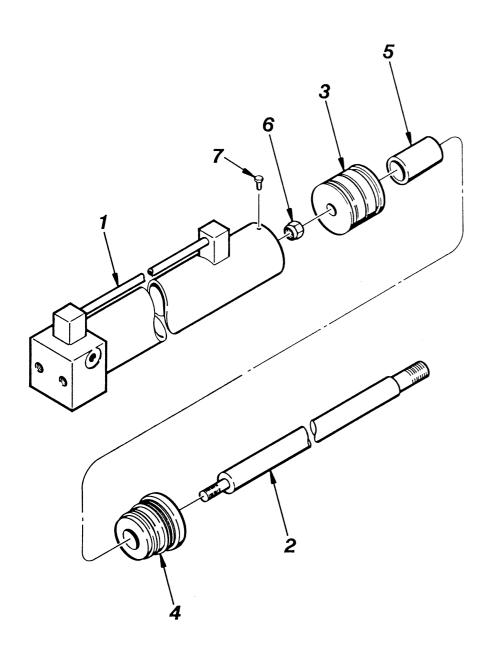
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
1 2 3 4 5 5A 6 7 8 9 9A 9B	PART NUMBER P26274 P26317 P20397 P21746 P18726 P18737 P13006 P13009 P18141 P24335 P24985 P27824	QTY. 1 2 4 1 REF 1 1 REF REF	Operators Platform (Incl. Items 15 - 21) Universal Mount, 2 Pieces Snubbing Washer Rubber Mount Steering Column Brush, Horn Steering Wheel Nut, Steering Wheel Horn Button Kit Shift Control Knob, Shifter Gate Plate w/Screws	35 36 37 38 39 40 41 42 43 44 45 46		QTY. 11 4 10 2 2 26 26 26 21 4 6 2	Lockwasher, 1/4" Lockwasher, 5/16" Lockwasher, 3/8" Lockwasher, 1/2" Lockwasher, 5/8" Starwasher, 1/4" - External Flatwasher, 1/4" Flatwasher, #8 Nut, Hx., 1/4"-20 Nut, Hx., 5/16"-18 Nut, Hx., 3/8"-16" Nut, Hx., 1/2"-13	
10 10A 11 12 12A	P19913 P26232 P26225 P17742 P24773	2 REF 1 1 REF	Cable, Shift Control Umbrella Seal, Shift Cable Connection Kit, Transmission Seat, Operators Rails - Set	47 48 49 50 51	P01535 P01560 J)P01653 P20459 P17554	2 2 2 9 2	Nut, Hx., 5/8"-18 Jam Nut, Hx., 1/2"-13 Locknut, Hx., #8-32 Speed Nut Clamp, Shift Cable	
13 14 15 16 17 18	A)P24707 B)21192B 23788B 23784C 23409C 23411C	1 1 1 1 1	Gasket, Vandal Cover Vandal Cover, Gauges Vandal Cover, Lower Instrument Panel Seat Box Door, Seat Box	REF* REF* REF* REF*	P19429 P19430 P27328 P19431	A/R A/R A/R A/R	Plug, 7/16" Hole Plug, 5/8" Hole Plug, 3/4" Hole Plug, 7/8" Hole	
18A 19 20 21 22 23 24 25 26 27 28 29	P19085 23424C C)24954C D)24952B 15573A E)P28792 F)P28470 G)P02034 P02154 P27829 P19424 P00001 P00005	REF 1 1 1 1 2 4 4 4 11 26	Door Latch w/Key Panel, Side Side Shield, Operators - Lexan Window, Rear - Lexan Grab Handle Bracket, Level Indicator Level Indicator Screw, Rd. Hd., #8-32 x 1/2" Screw, Rd. Hd., 5/16"-18 x 1/2" Screw, Phillips Truss Hd., 5/16"-18 x 3/4" Bolt, Button Hd. Socket, 1/4"-20 x 1" Bolt, Hx., 1/4"-20 x 1/2" Bolt, Hx., 1/4"-20 x 1"		B) For S C) For M D) Produ E) For S F) For S G) For S H) For S	/N 177 - : letal Scrouction Ini /N 101 - /N 101 - /N 101 - /N 101 -	217, use P27655. 217, use 24343B. een, use 23548C. itiated S/N 148. 316, use 23153A. 316, use 23300B. (Replaceme 316, use P02005. (#5-40 x 3/4 316, use P01425.	")
31 32 33 34	P00201 P00205 P00221 P00698	2 4 4 2	Bolt, Hx., 3/8"-16 x 5/8" Bolt, Hx., 3/8"-16 x 1 1/4" Bolt, Hx., 3/8"-16 x 6 1/2" Bolt, Hx., 5/8"-18 x 7 1/2" GR 8		N 101 THRU	lustrated	TMENT ASSEMBLY	23466



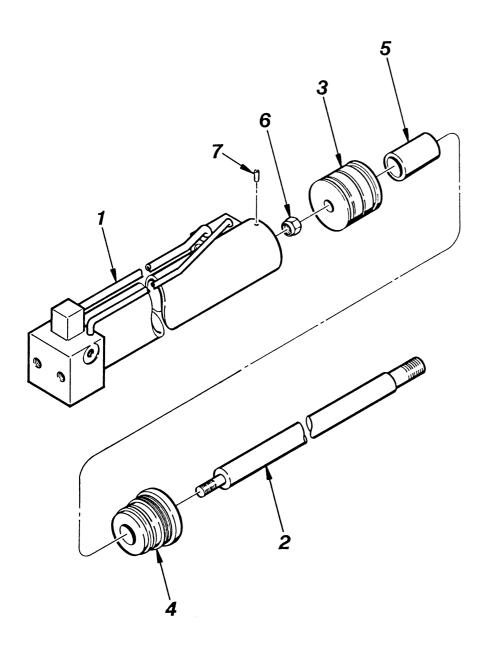
	PART		DECORIDEION	ITCM	PART	QTY.	DESCRIPTION
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QIY.	DESCRIPTION
	23192R	1	Inner Boom	41	P00634	16	Bolt, Hx., 5/8"-11 x 2 1/2" GR 8
1	A)23842R	1	Outer Boom	42	P00695	2	Bolt, Hx., 5/8"-18 x 6" GR 8
2 3	23359C	2	Eccentric	43	P00711	2	Bolt, Hx., 3/4"-10 x 4 1/2"
4	23359C 23360B	1	Shaft, Boom Pivot	44	P01310	5	Lockwasher, 3/8"
5	23361B	1	Rear Mount Block, Boom Extension Cyl.	45	P01312	4	Lockwasher, 1/2"
6	23556B	1	Cover, Hydraulics	46	P01314	21	Lockwasher, 5/8"
7	25556B 15886A	1	Base, Slide Plate	47	P01315	2	Lockwasher, 3/4"
8	16361A	A/R	Shim, .06"	48	P01510	2	Nut, Hx., 1/2"-13
9	16362A	A/R	Shim, .12"	49	P01512	1 1	Nut, Hx., 5/8"-11
10	P26297	1	Slide Plate, Front	50	P01513	2	Nut, Hx., 3/4"-10
11	P26296	2	Slide Plate, Rear	51	P01535	2	Nut, Hx., 5/8"-18
12	15764A	A/R	Shim, 12 GA.	•			,
13	17962B	A/R	Shim, 16 GA.				
14	15723A	1	Pin, Carriage Pivot				·
15	15725A 15769A	1	Pin, Carriage Tilt Cylinder				
16	16678A	1	Pin, Rear Rollers				
17	17188B	2	Pin, Front Rollers				
18	18113B	1	Pin, Hoist Cylinder				
19	P19106	2	Bushing, Carriage Tilt Cylinder				
20	P19109	2	Bushing, Carriage Tilt Pin				
21	P19111	2	Bushing, Hoist Cylinder				
22	P26493	4	Bushing, Rollers				
23	P26223	2	Bushing, Boom Pivot				
24	P26224	2	Retaining Ring			İ	
25	P24746	A/R	Shim, 14 GA., Boom				
26	P20431	A/R	Shim, 14 GA., Rollers		1		
27	P24735	4	Roller, Boom		1		
28	P16611	8	Grease Zerk				
29	13599A	1	Boss, Extension Cylinder Rod			•	•
30	16369A	1	Nut, Extension Cylinder Rod		NOTES:		
31	P02612	1	Setscrew, Cup Pt., 3/8"-16 x 3/8"		A) For S	/N 101, u	se 21393R.
32	P02656	1	Setscrew, Cup Pt., 1/2"-13 x 1 1/4"				
33	18147A	4	Screw, Brass, 1/2"-13 x 3/4"		1		1
34	P20152	4	Screw, Ft. Hd. Socket, 3/8"-16 x 1"				
35	P20154	4	Screw, Ft. Hd. Socket, 1/2"-13 x 1 1/4"		1		
36	P00202	5	Bolt, Hx., 3/8"-16 x 3/4"				00467
37	P00400	3	Bolt, Hx., 1/2"-13 x 3/4"		1		23467
38	P00442	1	Bolt, Hx., 1/2"-13 x 4 1/2" GR 8	500 C	N 101 THRU		4/89
39	P00612	2	Bolt, Hx., 5/8"-11 x 4"		N 101 THRU		
40	P00614	1	Bolt, Hx., 5/8"-11 x 5"	TELE	SCOPIC BO	DOM AS	SSEMBLY



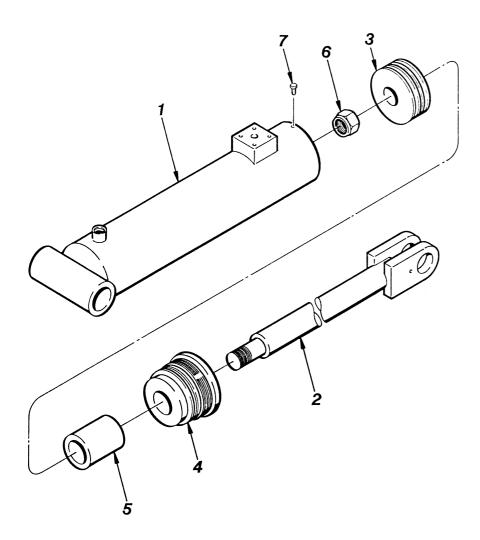
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
				T	I	T		
1	A)P27750	1	Boom Extension Cylinder	41	P01508	1 1	Nut, Hx., 3/8"-16	
2	P26503	1	Front Carriage Tilt Cylinder	42	P01556	1 1	Jam Nut, Hx., 1/4"-20	
3	P26325	1	Counterbalance Valve					
4	B)P26335	2	Counterbalance Valve					
5	23364C	1	Hose Tray					
6	23365B	1	Support Mount					
7	23369A	1	Hold Down, Hose					
8	P18947	2	45° Elbow, Bulkhead					
9	P18950	2	45° Elbow, Bulkhead					
10	P21580	2	45° Elbow, Bulkhead					
11	P18935	1	90° Elbow, O-Ring					
12	P19055	2	90° Elbow, O-Ring					
13	P21919	1	90° Elbow, O-Ring	l				
14	P18958	1	Tee, O-Ring					
15	P21627	2	Cap, Hex					
16	P23854	1	Hyd. Hose .25" x 19"					
17	P19498	1	Hyd. Hose .38" x 36"					
18	P27118	1	Hyd. Hose .38" x 16"					
19	P26121	2	Hyd. Hose .38" x 176					
20	P26122	2	Hyd. Hose .50" x 177"					
21	P26120	1	Hyd. Hose .75" x 14"					
22	P26119	1	Hyd. Hose .75" x 12"					
23	P26262	2	Hyd. Tube .38" O.D.		İ			
24	P26261	2	Hyd. Tube .50" O.D.					
25	P20467	4	Tube Clamp, 1/2" Tube	İ				
26	P26015	4	Tube Clamp, 3/8" Tube					
27	P26510	1	Tube, Hose Carrier					
28	P17553	2	Clamp, 3/8" Tube		[
29	P17809	2	Clamp, 1/2" Tube				•	
30	P01791	4	Bolt, Socket Hd., 5/16"-18 x 2 1/4"		NOTES:			
31	P00001	4	Bolt, Hx., 1/4"-20 x 1/2"		A) For S	/N 101 - ⁻	175, Replacement Cylinder	
32	P00100	2	Bolt, Hx., 5/16"-18 x 1/2"				26335) Counterbalance Valves.	
33	P00102	2	Bolt, Hx., 5/16"-18 x 3/4"			•	175, Qty. Required was 1.	
34	P00207	1	Bolt, Hx., 3/8"-16 x 1 3/4"		ĺ		, .	
35	P01308	4	Lockwasher, 1/4"			, .	•	
36	P01309	6	Lockwasher, 5/16"				l r	00400
37	P01310	1	Lockwasher, 3/8"					23468
38	P01357	1	Starwasher, 1/4"	500 07	1 404 711511	L		4/00
39	P01506	1	Nut, Hx., 1/4"-20		N 101 THRU			4/89
40	P01507	2	Nut, Hx., 5/16"-18	BOOM	I HYDRAUL	LIC ASS	SEMBLY	



ITEM	PART NUMBER	QTY.	DESCRIPTION	
REF	P26548	-	Boom Extension Cylinder	
1 2 3 4 5 6 7 REF	A)P27213 P26370 P24389 P24390 B)P27259 P27278 P24889 P24440 NOTES: A) For S	1 1 1 1 1 1 1	Barrel Weldment Rod, Cylinder Piston Rod Bearing Stroke Limiter Locknut Capscrew Seal Kit	
				00466
				23469
	N 101 - 175 N EXTENSIO	ON CY	LINDER ASSEMBLY	4/89
	LAILITON			

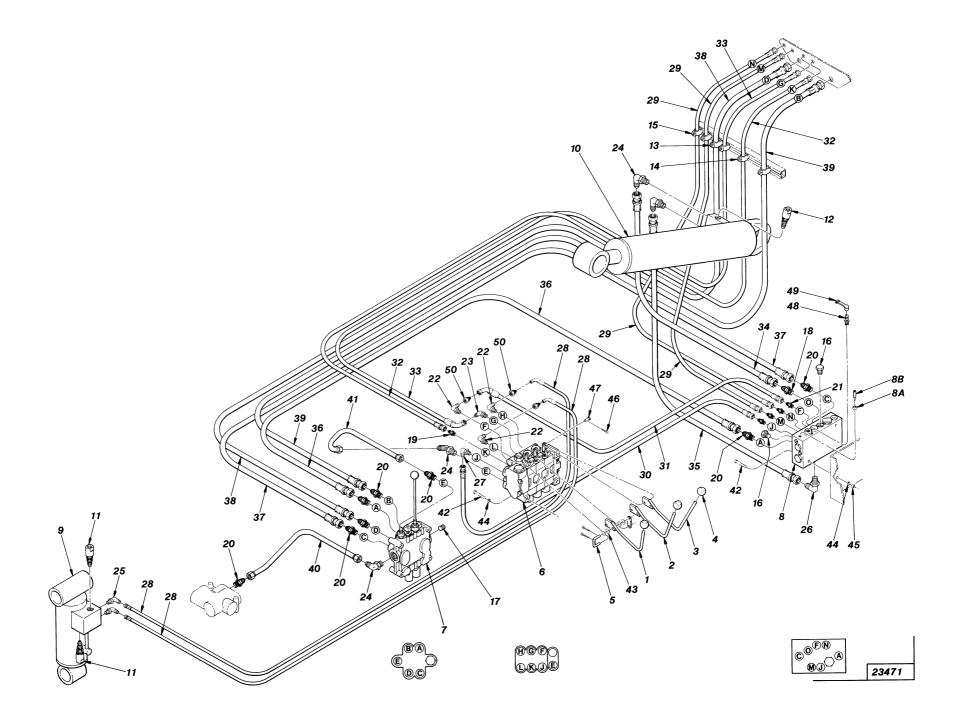


REF P27750 - Boom Extension Cylinder 1 P27221 1 Barrel Weldment 2 P27241 1 Rod, Cylinder 3 P24389 1 Piston 4 P24390 1 Rod Bearing	
2 P27241 1 Rod, Cylinder 3 P24389 1 Piston 4 P24390 1 Rod Bearing	REF
5	1 2 3 4 5 6 7
23469-1	
522 S/N 176 THRU 4/8	522 \$/1
BOOM EXTENSION CYLINDER ASSEMBLY	

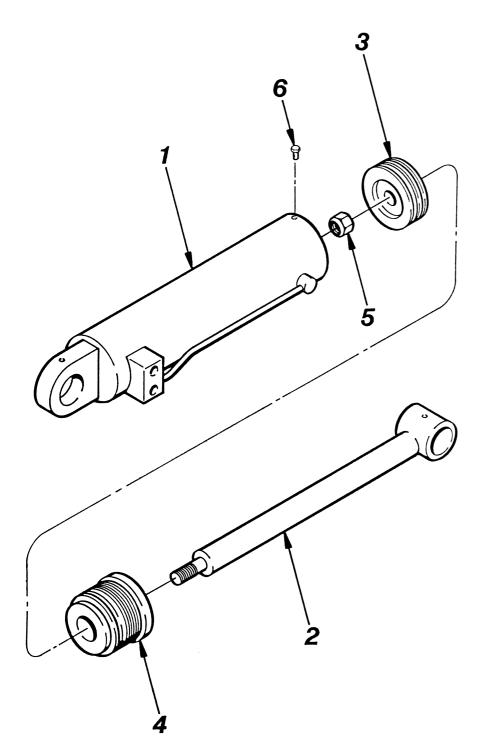


ITEM	PART NUMBER	QTY.	DESCRIPTION	
REF	P26503	-	Front Carriage Tilt Cylinde	r
1	P27207	1	Barrel Weldment	
2	P27231	1 1	Rod Weldment	
3	P27263	1	Piston	
4	P26380	1	Rod Bearing	
5	P24918	1	Stroke Limiter	
6	P27279	1	Locknut	
7	P24889	1	Capscrew	
REF	P27288	1	Seal Kit	
	Use as	follows	for S/N 101 only.	
REF	P26258	-	Front Carriage Tilt Cylinde	r
1	P26359	1	Barrel Weldment	
2	P26372	1	Rod Weldment	
3	P24387	i	Piston	
4	P26385		Rod Bearing	
5	P24918	1	Stroke Limiter	
6*	P24435	1	Setscrew	•
7	P24889	1	Capscrew	
REF	P26399	1	Seal Kit	
	* Not III	ustrated		23470
522 S/I	N 101 THRU			4/89

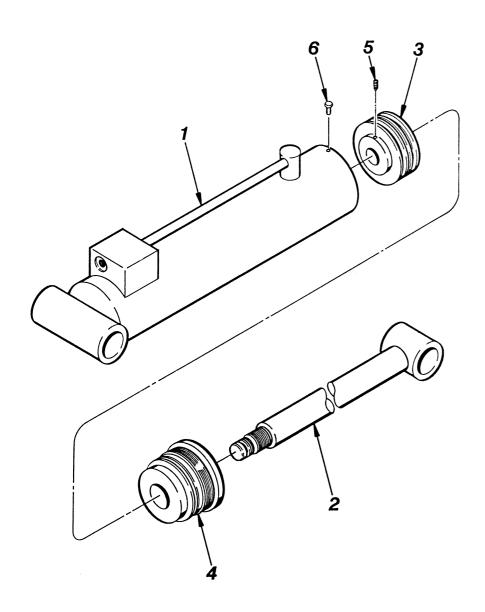
FRONT CARRIAGE TILT CYLINDER ASSEMBLY



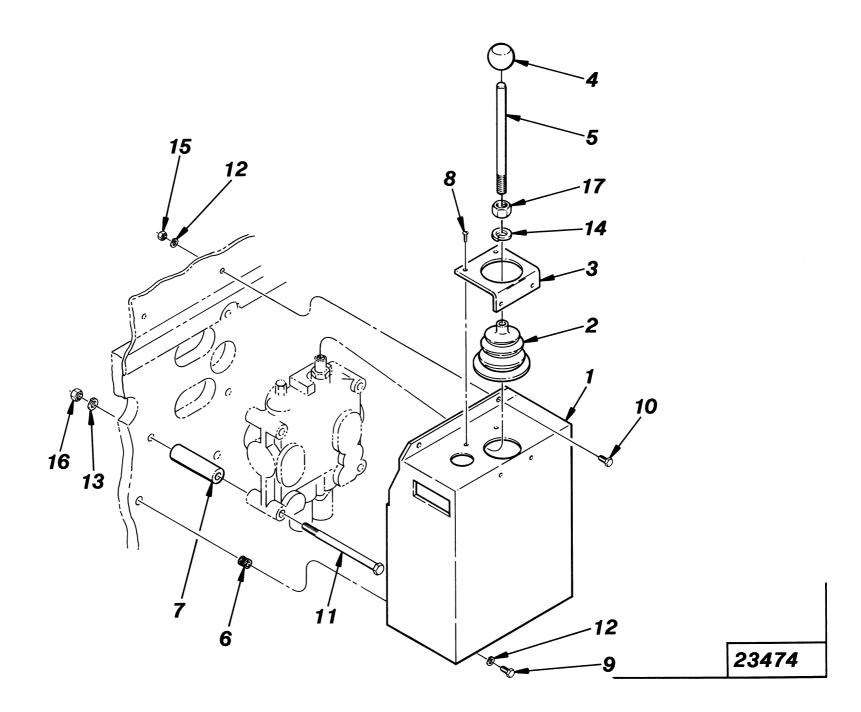
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
TILIM	HOMBER	- G11.	DESCRIPTION		1	1	
1 1	23541A	1	Handle, Carriage Tilt	37	P26628	1 1	Hyd. Hose .75" x 104"
2	23542A	1	Handle, Auxiliary	38	G)P28605	1 1	Hyd. Hose .62" x 148"
3	23543A	1	Handle, Frame Tilt	39	G)P28606	1 1	Hyd. Hose .62" x 156"
4	P18721	3	Knob, Handle	40	P26583	1 1	Hyd. Tube .75" O.D.
5	P27957	REF	Clevis Kit	41	P26594	1 1	Hyd. Tube .75" O.D.
6	P26729	1	Valve, 3 Spool - Main Controls	42	P00111	5	Bolt, Hx., 5/16"-18 x 2 3/4"
7	24372B	1	Valve, 2 Spool - Boom Controls	43	P01402	A/R	Flatwasher, 1/4"
8	P26241	1	Valve, Self-Leveling	44	P01309	5	Lockwasher, 5/16"
8A	A)P27983	REF	Sealing Nut (2 used per Valve)	45	P01507	2	Nut, Hx., 5/16"-18
8B	A)P27984	REF	Adjusting Screw (2 used per Valve)	46	P03810	REF	Cotter Pin, 1/16" x 1/2"
9	P26259	1	Frame Tilt Cylinder	47	P10512	REF	Clevis Pin
10	B)P27908	1	Hoist Cylinder	48	H)P27378	1	Nipple, Pressure Check
11	P21140	2	Counterbalance Valve	49	H)P27805	1	Dust Cap
12	C)P27827	1	Counterbalance Valve	50	J)P26605	-	Reducer, Swivel
13	P28200	2	Clamp, .62" Hyd. Hose	į			
1	D)P20486	-	Clamp, .75" Hyd. Hose				
14	P20468	2	Clamp, .50" Hyd. Hose				
15	P20465	2	Clamp, .38" Hyd. Hose	REF			Seal Kit - 3 Spool Valve - Main Controls
	D)P20466	-	Clamp, .38" Hyd. Hose		P21758	-	Valve Section (1 Req. per Section)
16	P15477	2	Plug, O-Ring		P21759	-	Main Relief
17	P26697	REF	Pressure Plug				
18	P23901	1	Connector, O-Ring	REF	25935A	-	Seal Kit - 2 Spool Valve - Boom Controls
19	P15406	1	Connector, O-Ring				
20	P17805	8	Connector, O-Ring			ı	
21	P18944	4	Connector, O-Ring	i	NOTES:		
22	E)P26601	3	90° Elbow, O-Ring		l .	sedes In	ternal Type Adjustment.
23	P19813	1	45° Elbow, O-Ring				236, P27827 Counterbalance Valve
24	P17802	4	90° Elbow, O-Ring				ed in conjuction with Cylinder.
25	P18935	2	90° Elbow, O-Ring				236, use P26335.
26	P19055	1	90° Elbow, O-Ring		D) Used		
27	P25247	1	90° Elbow, O-Ring			•	336, use P25247.
28	F)P28629	2	Hyd. Hose .25" x 116"		1 /		336, use P26636.
29	P26634	2	Hyd. Hose .38" x 66"		,		5" Hyd. Hose.
30	P27120	1	Hyd. Hose .38" x 89"				tiated S/N 267.
31	P26639	1	Hyd. Hose .38" x 92"		,		- 336 only.
32	P26637	1	Hyd. Hose .50" x 127"		', 5550	1	
33	P26638	1	Hyd. Hose .50" x 132"				23471
34	P26633	1	Hyd. Hose .75" x 35"	500.0	AL 404 TUDU	<u></u>	4/89
35	P26632	1	Hyd. Hose .75" x 41"	ļ	/N 101 THRU		
36	P26629	1	Hyd. Hose .75" x 99"	CON	TROL HYDE	RAULIC	ASSEMBLY



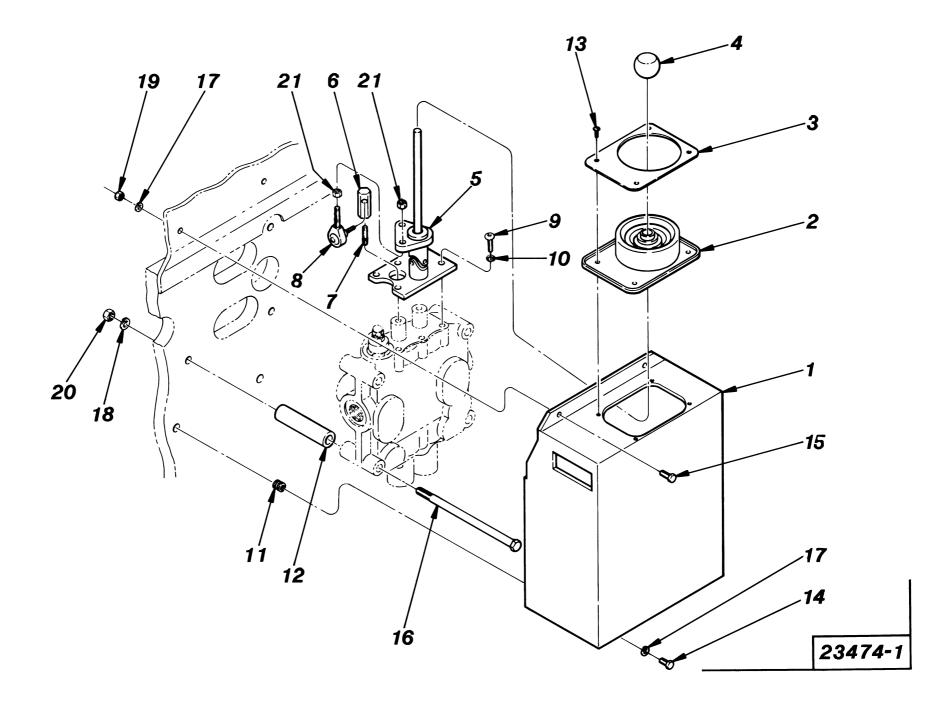
ITEM	PART NUMBER	QTY.	DESCRIPTION				
REF	P27908	-	Hoist Cylinder				
1	P27208	1	Barrel Weldment				
2	P27232	1	Rod Weldment				
3	P27265	1	Piston				
4	P27272	1	Rod Bearing				
5	P27280	1	Locknut				
6	P24889	1	Capscrew				
REF	P27289	1	Seal Kit				
				,			
	Use as	follows	for S/N 101 only.				
REF	P26256	_	Hoist Cylinder				
1	P26360	1	Barrel Weldment				
2	P26373	1	Rod Weldment				
3	P24384	1	Piston				
4	P26382	1	Rod Bearing				
5*	P24435	1	Setscrew				
6	P24889	1	Capscrew				
REF	P26396	1	Seal Kit				
	* Not Illu	ı strated	ı	23472			
				23412			
	N 101 THRU			4/89			
HOIS.	HOIST CYLINDER ASSEMBLY						



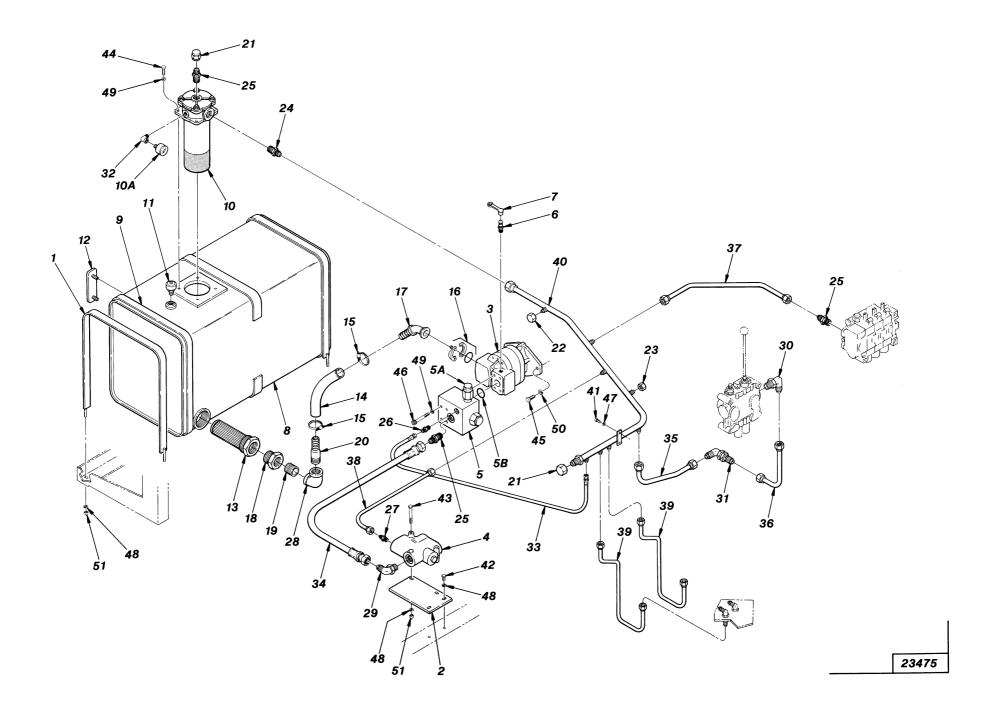
ITEM	PART NUMBER	QTY.	DESCRIPTION	
REF	P26259	-	Frame Tilt Cylinder	
REF 1 2 3 4 5 6 REF	P26259 P26358 P26371 P24388 P24396 P24435 P24889 P24437	1 1 1 1 1	Barrel Weldment Rod Weldment Piston Rod Bearing Setscrew Capscrew Seal Kit	
				23473
522 S	/N 101 THRU	L		4/89
		LINDE	R ASSEMBLY	



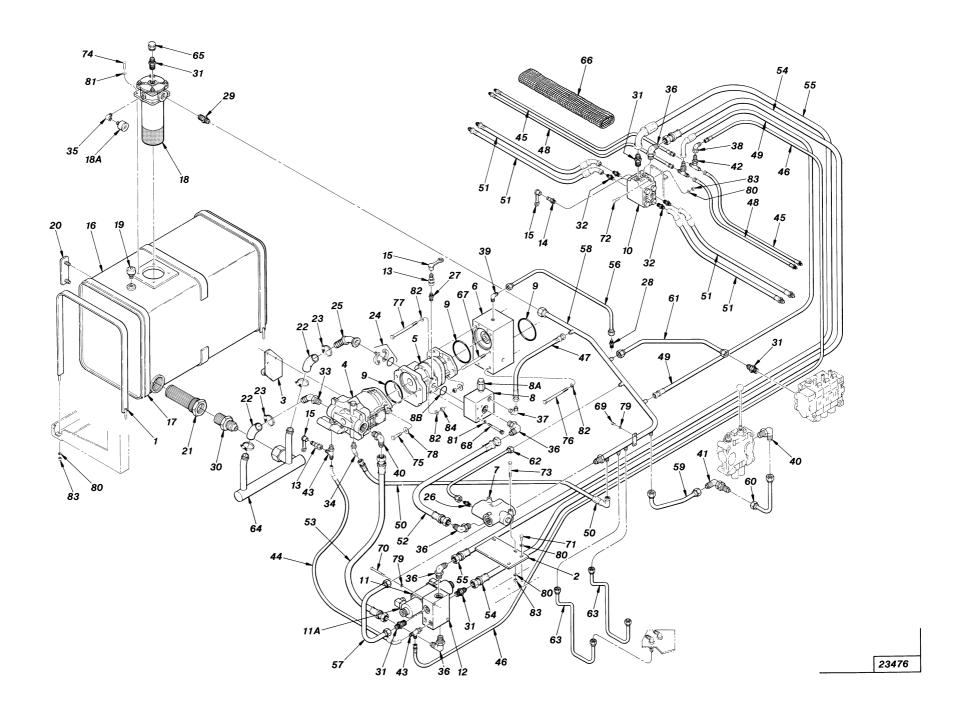
17514	PART	077/	DECODIDATION	ITEM	PART NUMBER	OTV	DESCRIPTION	
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	1
1 1	23598D	1	Cover, Valve					Ī
2	P26073	1	Boot, Joystick					
3	22819A	1	Hold Down Plate, Boot					
4	A)P18721	1	Knob, Handle					1
5	B)23082A	1	Handle, Joystick					
6	P26023	2	Drive Sert					İ
7	C)23540A	3	Spacer, Valve					İ
8	P03528	4	Tapping Screw, #10-24 x 1/2"					
9	P00001	2	Bolt, Hx., 1/4"-20 x 1/2"					
10	P00003	2	Bolt, Hx., 1/4"-20 x 3/4"					
11	C)P00223	3	Bolt, Hx., 3/8"-16 x 7 1/2"	İ				
12	P01308	4	Lockwasher, 1/4"					
13	C)P01310	3	Lockwasher, 3/8"					
14	D)P01310	1	Lockwasher, 3/8"					
15	P01506	2	Nut, Hx., 1/4"-20	l				
16	C)P01508	3	Nut, Hx., 3/8"-16					1
17	E)P01508	1	Nut, Hx., 3/8-16					
			, 0,0					
REF	25768A	-	Joystick Handle Replacement Kit (Includes: Valve Linkage, Handle, Knob, Cover, & Boot.)					
	B) For S/N C) Early P D) For S/N	183 - 19 roductio 183 - 19	96, use P27609. 96, use 25243A. on used Qty. of 4. 96, use P01314 - 5/8" Lockwasher. 96, use P01585 - 5/8" Jam Nut.					23474
				522 S	/N 101 - 196	-		4/89
)LE AN	D COVER ASSEMBLY	
1				1 30 10	···	^_	- JOTEIL/IODEIIDEI	



ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
	NOMBER	<u> </u>						
1	25470D	1	Cover, Valve					
2	P27648	1	Boot, Joystick					
3	P27649	1	Hold Down Plate, Boot					
4	P18721	1	Knob, Handle					
5	A)26346C	1	Handle, Joystick - Bent					
	25548C	-	Handle, Joystick - Straight					
6	B)25606B	2	Mount Block, Valve Spool					
7	C)P27962	2	Slotted Setscrew, 3/8"-16 x 1 1/4" GR 8					
8	P27628	2	Ball Joint					
9	P03196	5	Capscrew, Button Hd., 1/4"-20 x 3/4"					
10	P01357	5	Starwasher, 1/4" - External					
11	P26023	2	Drive Sert					
12	23540A	3	Spacer, Valve					
13	P03528	4	Tapping Screw, Slot. Rd. Hd., #10-24 x 1/2"					ŀ
14	P00001	2	Bolt, Hx., 1/4"-20 x 1/2"					ł
15	P00003	2	Bolt, Hx., 1/4"-20 x 3/4"					1
16	P00223	3	Bolt, Hx., 3/8"-16 x 7 1/2"					·
17	P01308	4	Lockwasher, 1/4"					1
18	P01310	3	Lockwasher, 3/8"					1
19	P01506	2	Nut, Hx., 1/4"-20		1	l		
20	P01508	3	Nut, Hx., 3/8"-16					l
21	P01530	4	Nut, Hx., 5/16"-24					
								I
								1
	NOTES:							
			ated S/N 293, 299 THRU.					
	B) For S/N	197 - 23	36, 3/8" Setscrew (Item #7) must be					
			unction with replacement Mount Block,	l				j
		er to no		l				
			/N 197 - 236, Valve Spools are tapped			1		
	1/4"-20.	To rew	ork, drill 5/16" dia. x 1" deep, tap 3/8"-16.	ł			22	474-1
							23	+/4-1
				522 S/	N 197 THRU			4/89
				JOYS	TICK HAND	LE AN	D COVER ASSEMBLY	

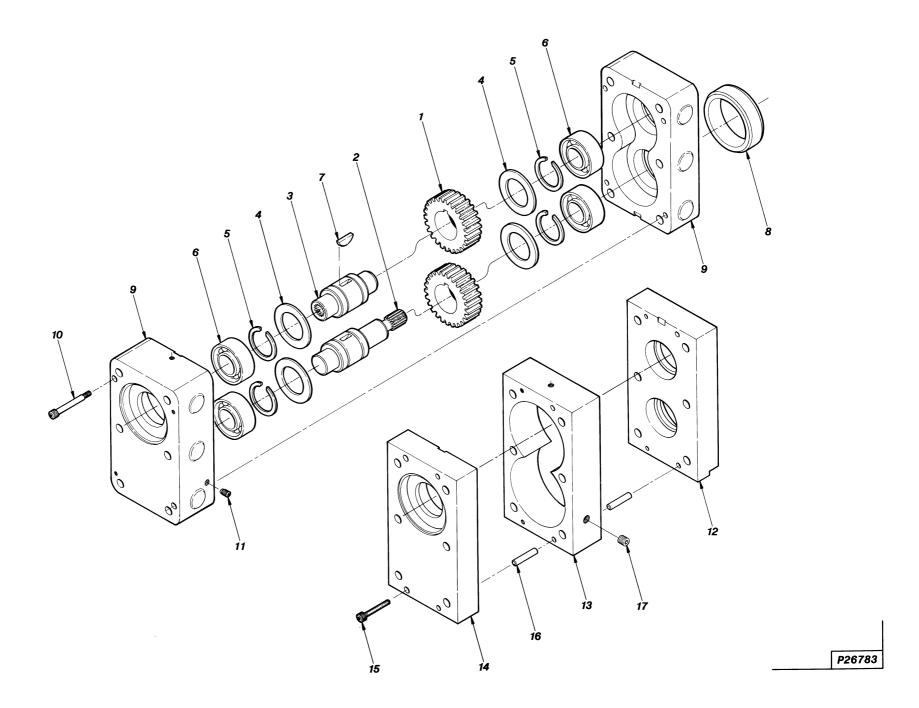


1		PART				PART			
2 23580A 1 Mounting Plate, Valve 34 P27323 1 Hyd. Hose .75° x 17"	ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	
2 23580A 1 Mounting Plate, Valve 34 P27323 1 Hyd. Hose .75° x 17"						_			
2	1		2	•	1			-	
A	2	23560A	1		I		1		
S	3	P26235	1	• •			i		
SA P25473 - Relief Valve 38 P26596 1 Hyd. Tube .38" O.D.	4	P19292	1	· · · · · · · · · · · · · · · · · · ·	•		1		
SB	5	P25456	1	•	•		1		
A P27378	5A	P25473	-		1		3	_	
7 A P27805 1 Dust Plug	5B	P11169	-	O-Ring	39	P26659	2		
8	6	A)P27378	1	Nipple, Pressure Check	40	P26587	1	_	
9 P26049 2 Betting, Chemprene	7	A)P27805	1	Dust Plug	41	P00003	2		
10	8	P26082	1	Tank, Fuel/Hydraulic	42	P00102	2	Bolt, Hx., 5/16"-18 x 3/4"	
10A	9	P26049	2	Belting, Chemprene	43	P00113	2	Bolt, Hx., 5/16"-18 x 3 1/4"	
10B*	10	P27808	1	Return Filter, Hydraulic Oil	44	P00204	4	Bolt, Hx., 3/8"-16 x 1"	
10C*	10A	P24981	-	Gauge, Pressure	45	P00403	2		
100*	10B*	P27810	-	Filter Element	46	P01827	4	Bolt, Socket Hd., 3/8"-16 x	3 1/4"
10E*	10C*	P26040	-	Gasket, Tank	47	P01308	2	Lockwasher, 1/4"	
10F* P26043 - O-Ring, Cover 11 P21674 1 Breather, Hydraulic Tank 12 P21482 1 Sight Gauge, Hyd. Oil (Includes Hardware) 13 P19878 1 Suction Strainer 14 N11590 1 Hose, Suction 15 P10601 2 Hose Clamp 16 P25711 1 Flange Kit 17 P25712 1 Hose Adapter, 45° Flange Elbow 18 P10705 1 Reducer Bushing	10D*	P26041	-	O-Ring, Element	48	P01309	8	Lockwasher, 5/16"	
11	10E*	P26042	-	O-Ring, Head	49	P01310	8	Lockwasher, 3/8"	
11	10F*	P26043	-	O-Ring, Cover	50	P01312	2	Lockwasher, 1/2"	
13 P19878	11	P21674	1	Breather, Hydraulic Tank	51	P01507	6	Nut, Hx., 5/16"-18	
13 P19878	1		1	Sight Gauge, Hyd. Oil (Includes Hardware)					
15		P19878	1	Suction Strainer					
16	14	N11590	1	Hose, Suction					
17	15	P10601	2	Hose Clamp	i				
17	16	P25711	1	Flange Kit			İ		
18 P10705 1 Reducer Bushing 19 P10893 1 Nipple, Close 20 P20835 1 Swaged Hose Nipple 21 P17785 2 Cap, Hex 22 P18929 1 Cap, Hex 23 P21627 1 Cap, Hex 24 P21246 1 Connector, JIC - Pipe 25 P17805 3 Connector, O-Ring 26 P18936 1 Connector, O-Ring 27 P19478 1 Connector, O-Ring 28 P10232 1 90° Elbow, Pipe 29 P17802 1 90° Elbow, O-Ring 30 P20359 1 90° Elbow, O-Ring 31 P21916 1 90° Elbow, Bulkhead * Not Illustrated 23475	17	1	1	Hose Adapter, 45° Flange Elbow					
19	18	I	1		ļ				
20			1	Nipple, Close					
P17785 2 Cap, Hex		1	1	• • •					
22			2	• • • • • • • • • • • • • • • • • • • •		NOTES:	•		
23	1	1		• :			ed In Ear	ly Production.	
24 P21246 1 Connector, JIC - Pipe 25 P17805 3 Connector, O-Ring 26 P18936 1 Connector, O-Ring 27 P19478 1 Connector, O-Ring 28 P10232 1 90° Elbow, Pipe 29 P17802 1 90° Elbow, O-Ring 30 P20359 1 90° Elbow, O-Ring 31 P21916 1 90° Elbow, Bulkhead 522 S/N 101 THRU	1	1	1	• *		//,	· · · · · · · · · · · · · · · · · · ·	.,	
25 P17805	1		1	• •					
26 P18936 1 Connector, O-Ring 27 P19478 1 Connector, O-Ring 28 P10232 1 90° Elbow, Pipe 29 P17802 1 90° Elbow, O-Ring 30 P20359 1 90° Elbow, O-Ring 31 P21916 1 90° Elbow, Bulkhead 522 S/N 101 THRU 4/5									
27 P19478 1 Connector, O-Ring 28 P10232 1 90° Elbow, Pipe 29 P17802 1 90° Elbow, O-Ring 30 P20359 1 90° Elbow, O-Ring 31 P21916 1 90° Elbow, Bulkhead * Not Illustrated * Not Illustrated 522 S/N 101 THRU					I				
28 P10232 1 90° Elbow, Pipe 29 P17802 1 90° Elbow, O-Ring 30 P20359 1 90° Elbow, O-Ring 31 P21916 1 90° Elbow, Bulkhead 522 S/N 101 THRU 23475	1			·					
29 P17802 1 90° Elbow, O-Ring * Not Illustrated 23475 30 P20359 1 90° Elbow, O-Ring 522 S/N 101 THRU 4/9	1			·				1	
30 P20359 1 90° Elbow, O-Ring 31 P21916 1 90° Elbow, Bulkhead 522 S/N 101 THRU 4/5			-			* Not Illi	strated		23475
31 P21916 1 90° Elbow, Bulkhead <u>522 S/N 101 THRU</u> 4/3		1	_	· · · · · · · · · · · · · · · · · · ·		1			
					522 S	N 101 THRU			4/89
32 P27358 1 90° Elbow, Hyd. Pipe PUMP, SUCTION - RETURN HYDRAULIC ASSEMBLY	32	P27358	1	90° Elbow, Hyd. Pipe	DIIM	SUCTION	J - RET	LIRN HYDRAIII IC ASSEM	IRI Y

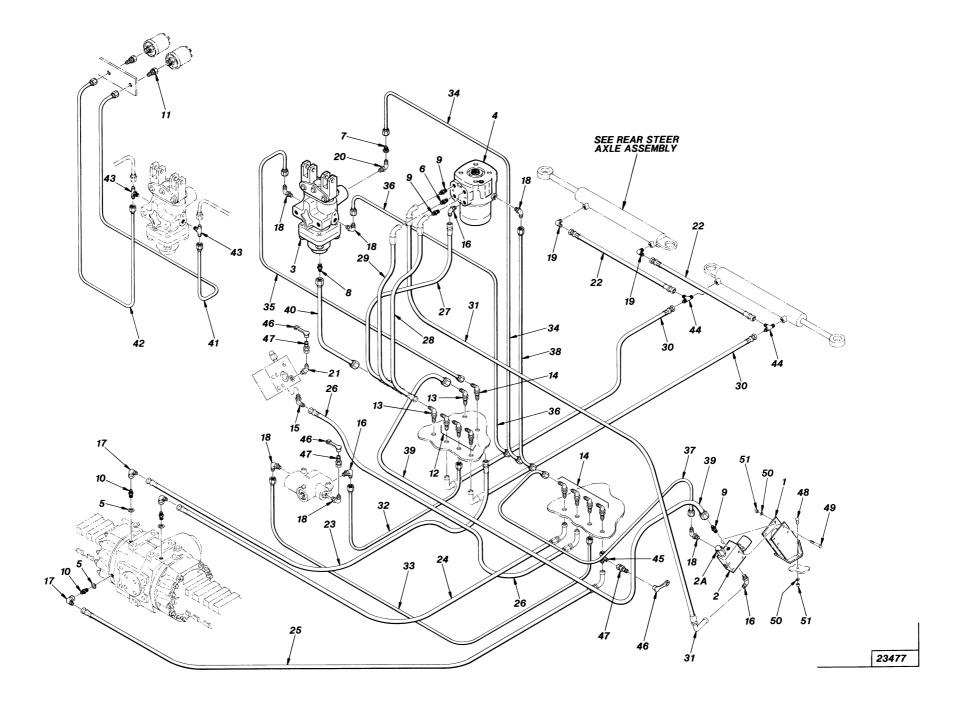


ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
		1						
1	23442B	2	Strap, Tank	31	P17805	5	Connector, O-Ring	
2	23560A	1	Mounting Plate, Valve	32	P18997	4	Connector, O-Ring	
3	23849B	1	Support Bracket, Pump	33	P26705	1	45° Elbow, O-Ring To Hose	e
4	P25392	1	Pump, Piston	34	P19813	1	45° Elbow, O-Ring	
5	P25393	1	Pump, Gear	35	P27358	1	90° Elbow, Hyd. Pipe	
6	D)P26783	1	Pump, Drive	36	P17802	5	90° Elbow, O-Ring	
7	P19292	1	Priority Valve, Steer	37	P18935	1	90° Elbow, O-Ring	
8	P25456	1	Priority Valve, Brake	38	P18957	1	90° Elbow, Swivel	
8A	P25473	-	Relief Valve	39	P19726	1	90° Elbow, JIC - Pipe	
8B	P11169	-	O-Ring, Valve	40	P20359	2	90° Elbow, O-Ring	
9	P25680	3	O-Ring, Pump	41	P21916	1	90° Elbow, Bulkhead	
10	P25725	1	Equatrac Valve	42	P18942	2	Tee, Bulkhead	
11	P25726	1	Valve, Selector	43	P26640	2	Tee, O-Ring	
REF	P26307	-	Seal Kit, Selector Valve	44	P28637	1	Hyd. Hose .25" x 23"	
11A	P26305	-	Solenoid	45	P27114	2	Hyd. Hose .25" x 40	
12	P25725	1	Subplate Valve	46	P26623	1	Hyd. Hose .25" x 120"	
13	A)P27374	2	Nipple, Pressure Check	47	P27117	1	Hyd. Hose .38" x 13"	
14	A)P27378	2	Nipple, Pressure Check	48	P27115	2	Hyd. Hose .38" x 40"	
15	A)P27805	4	Dust Plug	49	P26626	1	Hyd. Hose .38" x 103"	
16	P26082	1	Tank, Fuel/Hydraulic	50	P26627	1	Hyd. Hose .50" x 14"	
17	P26049	2	Belting, Chemprene	51	B)P27699	4	Hyd. Hose .50" x 36"	
18	P27808	1	Return Filter, Hydraulic Oil	52	P26620	1	Hyd. Hose .75" x 16"	
18A	P24981	-	Gauge, Pressure	53	P26624	1	Hyd. Hose .75" x 22"	
18B*	P27810	-	Filter Element	54	P26621	1	Hyd. Hose .75" x 112"	
18C*	P26040	-	Gasket, Tank	55	P26622	1	Hyd. Hose .75" x 114"	
18D*	P26041	-	O-Ring, Element	56	P26660	1	Hyd. Tube .38" O.D.	
18E*	P26042	-	O-Ring, Head	57	P26586	1	Hyd. Tube .75" O.D.	
18F*	P26043	-	O-Ring, Cover	58	P26587	1	Hyd. Tube 1.25" O.D.	
19	P21674	1	Breather, Hydraulic Tank	59	P26592	1	Hyd. Tube .75" O.D.	
20	P21482	1	Sight Gauge, Hyd. Oil (Includes Hardware)	60	P26593	1	Hyd. Tube .75" O.D.	
21	P19878	1	Suction Strainer	61	P26595	1	Hyd. Tube .75" O.D.	
22	N11590	2	Hose, Suction	62	P26596	1	Hyd. Tube .38" O.D.	
23	P10601	4	Hose Clamp	63	P26659	2	Hyd. Tube .50" O.D.	
24	P25711	1 1	Flange Kit	64	P26598	1	Hyd. Tube, Suction	
25	P25712	1	Hose Adaptor, 45° Flange Elbow	65	P17785	1	Cap, Hex	
26	P19478	1	Connector, O-Ring		Comtinu			00470
27	P27382	1	Connector, O-Ring		Contini	uea on r	next page	23476
28	P18939	1	Connector, JIC - Pipe				(
29	P21246	1 1	Connector, JIC - Pipe	522 S/	N 101 THRU		(POWER ASSIST)	4/89
30	P26606	1	Connector, JIC - Pipe	PUMF	, SUCTION	- RET	URN HYD. ASS'Y	Page 1 of 2

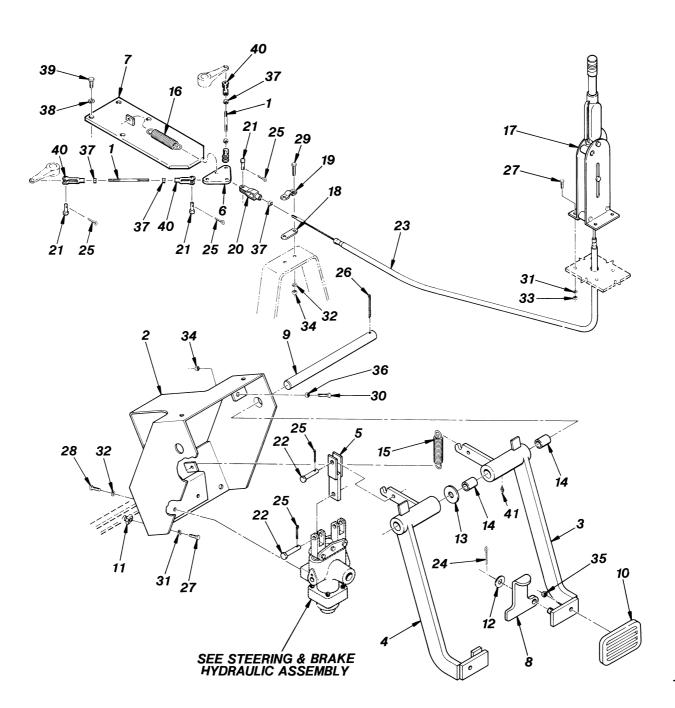
66 67 68 69 70	C)N11824 P26315 P01827 P00003 P00013	4 2 4 2	Hose Protection Cover, Nylon Stud, Carbon Steel Bolt, Socket Hd., 3/8"-16 x 3 1/4"				
71 72 73 74 75 76 77 78 79 80 81 82 83 84	P00102 P00106 P00113 P00204 P00405 P00426 P00419 P01406 P01308 P01310 P01312 P01507 P01510	2 2 2 4 2 2 4 10 8 6 8 4	Bolt, Hx., 1/4"-20 x 3/4" Bolt, Hx., 1/4"-20 x 3" Bolt, Hx., 5/16"-18 x 3/4 Bolt, Hx., 5/16"-18 x 1 1/2" Bolt, Hx., 5/16"-18 x 3 1/4" Bolt, Hx., 3/8"-16 x 1" Bolt, Hx., 1/2"-13 x 1 3/4" Bolt, Hx., 1/2"-13 x 5 3/4" Bolt, Hx., 1/2"-13 x 6 1/2" Flatwasher, 1/2" Lockwasher, 1/4" Lockwasher, 5/16" Lockwasher, 3/8" Lockwasher, 1/2" Nut, Hx., 5/16"-18 Nut, Hx., 1/2"-13				
	B) For S/N C) For S/N	l 101 - 18 l 101 - 18 rts Breal	iated S/N 267. 81, use P27116. 81, use N11449. kdown for Service Parts.	 /N 101 THRU P. SUCTION	- RET	(POWER ASSIST) URN HYD. ASS'Y	23476 4/89 Page 2 of 2



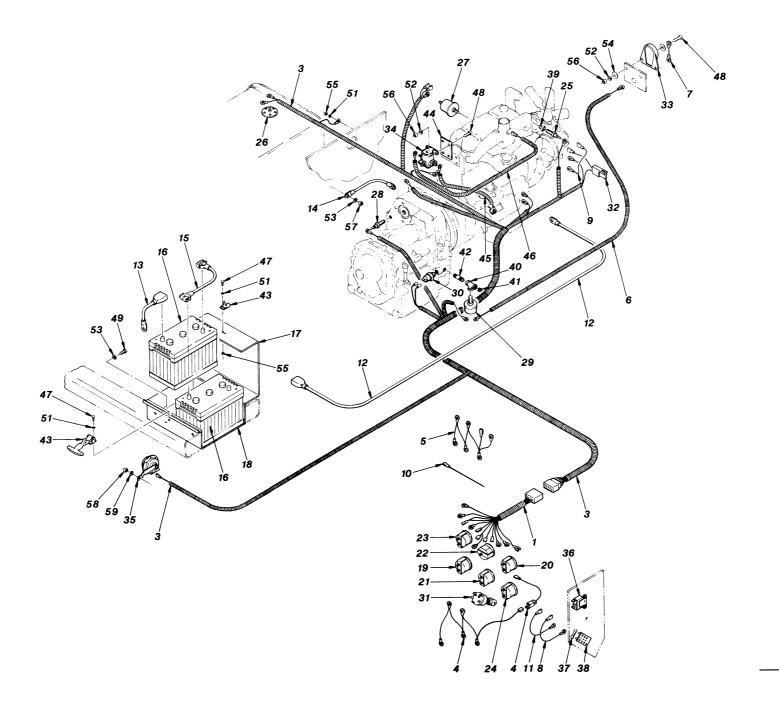
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
	HOMBER	<u> </u>				T	
1	P26292	2	Spur Gear				
2	P26293	. 1	Shaft, Transmission Drive				
3	P26294	1	Shaft, Pump Drive				
4	P17084	4	Machinery Bushing				
5	P19479	4	Retaining Ring, External				
6	P26710	4	Roller Bearing				
7	P10802	2	Woodruff Key	Ì			
8	P26283	1	Centering Ring				
9	P26780	2	Gear Case Half				
10	P27310	4	Shoulder Bolt, 5/16" Dia. x 2"				
11	P26693	3	Pressure Plug				
REF	P26349	(A)	Sealant, Silicone Form-A-Gasket				
			3 Section Pump Case				
12	P26290	1	Case Cover, w/Notch				
13	P26284	1	Center Section				
14	P26291	1	Case Cover				
15	P01758	4	Bolt, Socket Hd., 1/4"-20 x 1 3/4"				
16	P10801	2	Dowel Pin, 3/8" x 1 1/2"				
17	P10738	1	Plug, Pipe				
		NOTE	··c.				
		NOTE					
		A) PI	rocure Locally.				P26783
				522 S	/N 101 THRU		4/89
				HYDF	RAULIC PUI	MP DRI	VE ASSEMBLY



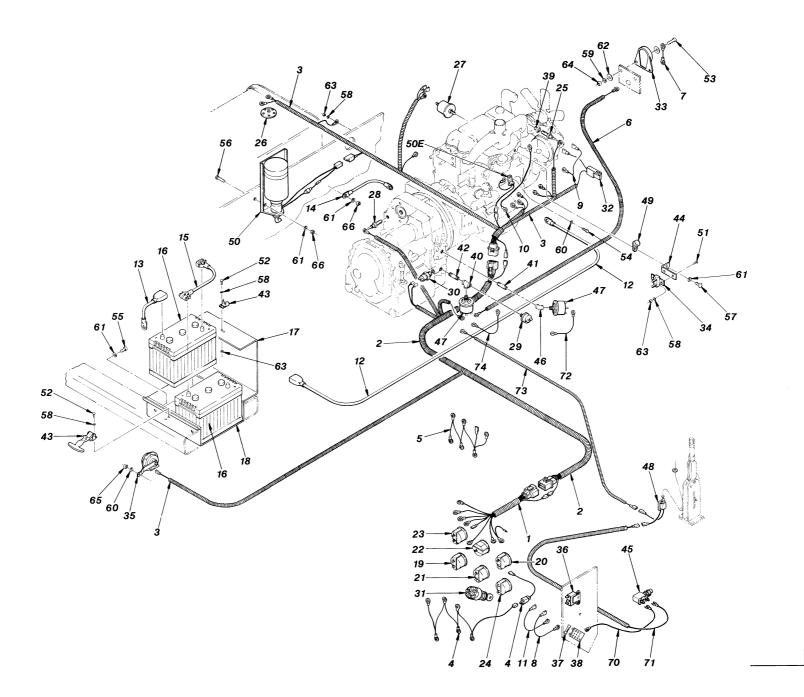
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
					I		
1	22013C	1	Mount, Diff. Lock Valve	40	P26651	1 1	Hyd. Tube .50" O.D.
2	P25455	1	Valve, Differential Lock	41	P26652	1 1	Hyd. Tube .25" O.D.
2A	P25473	REF	Relief Valve	42	P26653	1 1	Hyd. Tube .25" O.D.
3	P24950	1	Brake Valve	43	P25715	2	Tee, O-Ring
4	P19293	1	Steer Motor	44	P24649	2	Tee, JIC - Pipe
5	P12506	3	Washer, Copper	45	B)P27399	1	Tee, Swivel
6	P19414	1	Check Valve	46	A)P27805	3	Dust Cap
7	P26607	1	Reducer, Swivel	47	A)P27374	3	Nipple, Pressure Check
8	P15406	1	Connector, O-Ring	48	P00001	3	Bolt, Hx., 1/4"-20 x 1/2"
9	P18944	3	Connector, O-Ring	49	P00009	4	Bolt, Hx., 1/4"-20 x 2"
10	P25396	3	Connector, Metric	50	P01308	2	Lockwasher, 1/4"
11	P25713	2	Connector, Bulkhead	51	P01506	7	Nut, Hx., 1/4"-2
12	P18947	3	45° Elbow, Bulkhead				
13	P21580	2	45° Elbow, Bulkhead				
14	P25684	5	45° Elbow, Bulkhead				
15	P18935	1	90° Elbow, O-Ring		l		
16	P18956	3	90° Elbow, O-Ring				
17	P18957	3	90° Elbow, O-Ring				
18	P19248	6	90° Elbow, O-Ring				
19	P20374	2	90° Elbow, JIC - Pipe	İ			
20	P25247	1	90° Elbow, O-Ring				
21	P21619	1	45° Elbow, O-Ring				
22	P25346	2	Hyd. Hose .25" x 13"	l			
23	P26641	1	Hyd. Hose .25" x 84"				
24	P26642	1	Hyd. Hose .25" x 82"				
25	P26643	1	Hyd. Hose .25" x 96"				
26	P26644	1	Hyd. Hose .25" x 50"				
27	P26635	1	Hyd. Hose .38" x 33"				
28	P26646	1	Hyd. Hose .38" x 34"				
29	P26647	1	Hyd. Hose .38" x 33"		NOTES:		
30	P25867	2	Hyd. Hose .38" x 58"	1			iated S/N 267 for Steering & Brakes.
31	P26645	1 1	Hyd. Hose .50" x 37"		Produc	ction Init	iated S/N 321 for Differential Lock.
32	P26584	1	Hyd. Tube .50" O.D.		B) Produc	ction Init	iated S/N 321.
33	P26585	1	Hyd. Tube .25" O.D.				
34	P26654	1	Hyd. Tube .25" O.D.			1	•
35	P26655	1	Hyd. Tube .25" O.D.				22/77
36	P26656	1	Hyd. Tube .25" O.D.				23477
37	P26657	1	Hyd. Tube .25" O.D.	522 9	N 101 THRU	•	4/89
38	P26658	1	Hyd. Tube .25" O.D.				
39	P26650	1	Hyd. Tube .50" O.D.	HYDF	RAULIC STE	EKING	, BRAKE & DIFF. LOCK ASSEMBLY



	PART				PART			
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	
		_			D40044		Oues a Zeule	
1	23520A	2	Connecting Rod	41	P16611	2	Grease Zerk	
2	21058C	1	Brake Pedal Housing					
3	23667C	1	Brake Pedal, R.H.					
4	23666C	1	Brake Pedal, L.H.					
5	21061A	2	Connecting Link					
6	23519A	1	Toggle Plate					
7	23526B	1	Spring Return					
8	21091A	1	Pedal Lock					
9	21093A	1	Pin, Brake Pedals			1		
10	P17733	2	Foot Pad, Brake					
11	P24308	4	Spring Nut					
12	P21449	1	Shim Washer					
13	18846A	1	Spacer, Pedal					
14	P20391	4	Bushing					
15	P10581	2	Spring, Pedal			1		
16	P26331	1	Spring, Cable					
17	A)P28457	1	Hand Brake, Parking (Includes Switch)					
18	P17596	1	Spacer, Cable					
19	P17595	1	Clamp, Cable					
20	P17594	1	Clevis	1				
21	P10040	5	Clevis Pin					
22	P15331	4	Clevis Pin					
23	P26276	1	Cable, Hand Brake					
24	P03837	1	Cotter Pin, 1/8" x 3/4"					
25	P03838	9	Cotter Pin, 1/8" x 1"					
26	P03840	1 1	Cotter Pin, 1/8" x 1 1/2"					
27	P00102	8	Boit, Hx., 5/16"-18 x 3/4"		j	1		
28	P00202	2	Bolt, Hx., 3/8"-16 x 3/4"	1				
29	P00205	2	Bolt, Hx., 3/8"-16 x 1 1/4"	1		1	'	
30	P00206	2	Bolt, Hx., 3/8"-16 x 1 1/2"	1	NOTES:			
31	P01309	8	Lockwasher, 5/16"			N 101 - 2	98, use 26317C for Complete	
32	P01310	4	Lockwasher, 3/8"		1 '		Buzzer/Light Kit.	
33	P01507	4	Nut, Hx., 5/16"-18		1	9	 , 	
34	P01508	4	Nut, Hx., 3/8"-16		See Axle F	Breakdov	vn for Internel Brake Parts.	
35	P01531	2	Nut, Hx., 3/8"-24			on ound or	William Diane i alte	
36	P01558	2	Jam Nut, Hx., 3/8"-16					
37	P01581	5	Jam Nut,Hx., 3/8"-24					23478
38	P04611	4	Lockwasher, M16		l			
39	P04300	4	Bolt, Hx., M16-2 x 25 mm	522 S/	N 101 THRU			4/89
40	P10193	4	Clevis	SERV	ICE AND P	ARKIN	G BRAKE ASSEMBLY	



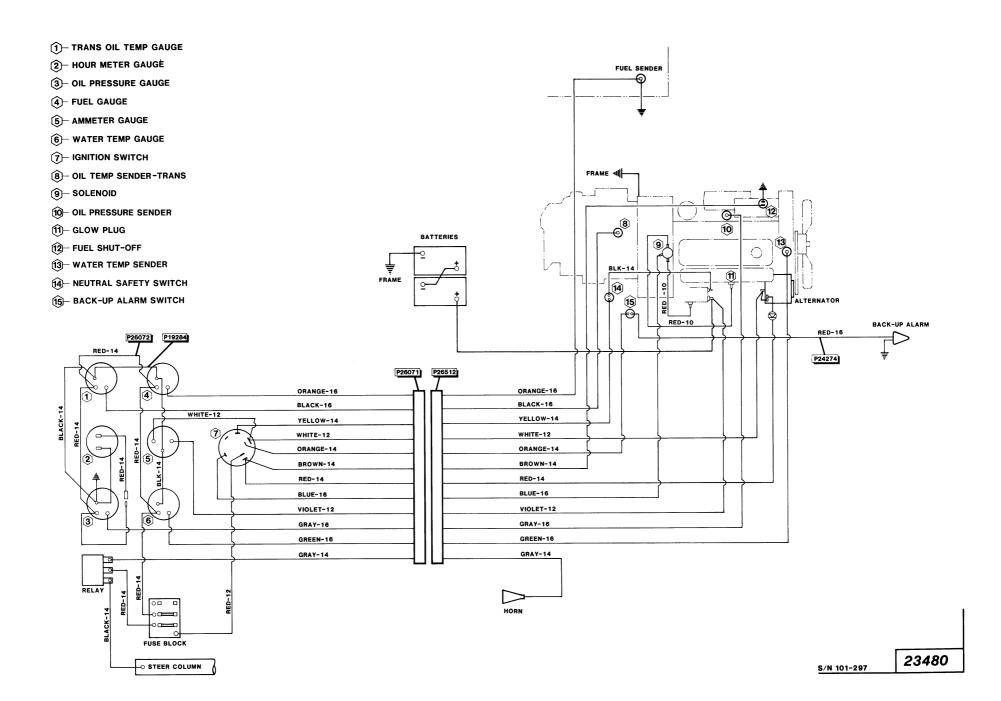
	PART			17584	PART	OTV	DESCRIPTION
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION
1	P26071	1	Wire Harness, Upper	42	P10759	1	Nipple, Pipe
3	P26512	1	Wire Harness, Lower	43	P26248	1 1	Draw Latch
4	P26072	1	Wires, Gauges - Power	44	24317A	1 1	Bracket, Solenoid
5	P19284	1	Wires, Gauges - Ground	45	P27518	1	Wire, Solenoid - Starter
6	P24274	1	Wire Harness, Back-Up Alarm	46	P27519	1	Wire, Solenoid - Glow Plug
7	P27504	1	Wire, Alarm - Ground (Black - 16 GA.)	47	P02057	4	Screw, Slotted Rd. Hd., #10-24 x 3/4"
8	P27506	1	Wire, Fuse Block - Relay (Red - 14 GA.)	48	P00003	4	Bolt, Hx., 1/4"-20 x 3/4"
9	P27509	1	Wire, Alt Volt Regulator (White - 14 GA.)	49	P00202	4	Bolt, Hx., 3/8"-16 x 3/4"
10	P27517	1	Wire, Fuse Block - Ignition (Red - 12 GA.)	51	P01306	5	Lockwasher, #10
11	P27520	1	Wire, Horn Button to Relay (Black - 16 GA.)	52	P01308	4	Lockwasher, 1/4"
12	A)P28785	1	Battery Cable, Positive	53	P01310	5	Lockwasher, 3/8"
13	P19834	1	Battery Cable, Negative	54	P01402	4	Flatwasher, 1/4"
14	P19835	1	Battery Cable, Ground	55	P01504	3	Nut, Hx., #10-24
15	P18122	1	Battery Cable, Negative to Positive	56	P01506	4	Nut, Hx., 1/4"-20
16	P25385	(B)	Battery, 6 Voit	57	P01508	2	Nut, Hx., 3/8"-16
17	23425C	1	Battery Box Cover	58	P01507	1	Nut, Hx., 5/16"-18
18	23426C	1	Battery Box Tray	59	P01309	1	Lockwasher, 5/16"
19	P23214	1	Gauge, Fuel	60*	P02016	2	Screw, Slotted Rd. Hd., #6-32 x 1/2"
20	P23216	1	Gauge, Oil Pressure	61*	P01353	2	Starwasher, #6
21	P23218	1	Gauge, Ammeter	62*	P01502	2	Nut, Hx., #6-32
22	P23219	1	Gauge, Hour Meter				
23	P23220	1	Gauge, Transmission Oil Temp.				
24	P23221	1	Gauge, Water Temperture				
25	P23222	1	Sender, Water Temperture	İ			
26	P23215	REF	Sender, Fuel				
27	P23217	1	Sender, Oil Pressure	İ			
28	P19472	1	Sender, Transmission Oil				
29	P19105	1	Switch, Back-Up				
30	P20812	REF	Switch, Neutral Start	l		•	'
31	P26319	REF	Switch, Ignition		NOTES:		
32	P21787	REF	Diode Module	l	A) Supers	sedes Sta	andard Duty Cable.
33	P13774	1	Back-Up Alarm			e Locally	<i>.</i>
34	P21777	1	Solenoid				n Power Assist Models.
35	P13707	1	Horn			•	
36	P13709	1	Horn Relay		* Not illu	strated.	
37	P19203	2	Fuse, AGC-30 AMP				00470
38	P24349	1	Fuse Block	Items 60 - 62 , Mount Fuse Block. 23479			int Fuse Block. 234/9
39	P10158	1	Reducer Bushing		<u> </u>		
40	P10200	1 1	Tee, Pipe	522 S	N 101 - 297		4/89
41	C)P10736	1	Plug, Pipe	ELEC	TRICAL AS	SEMBI	LY (Perkins)

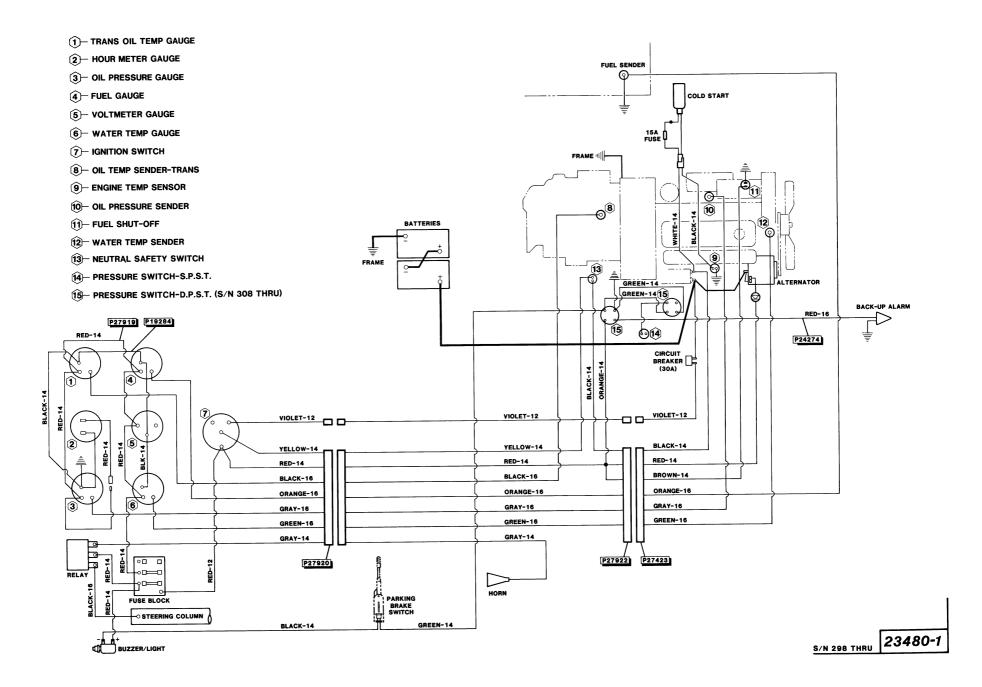


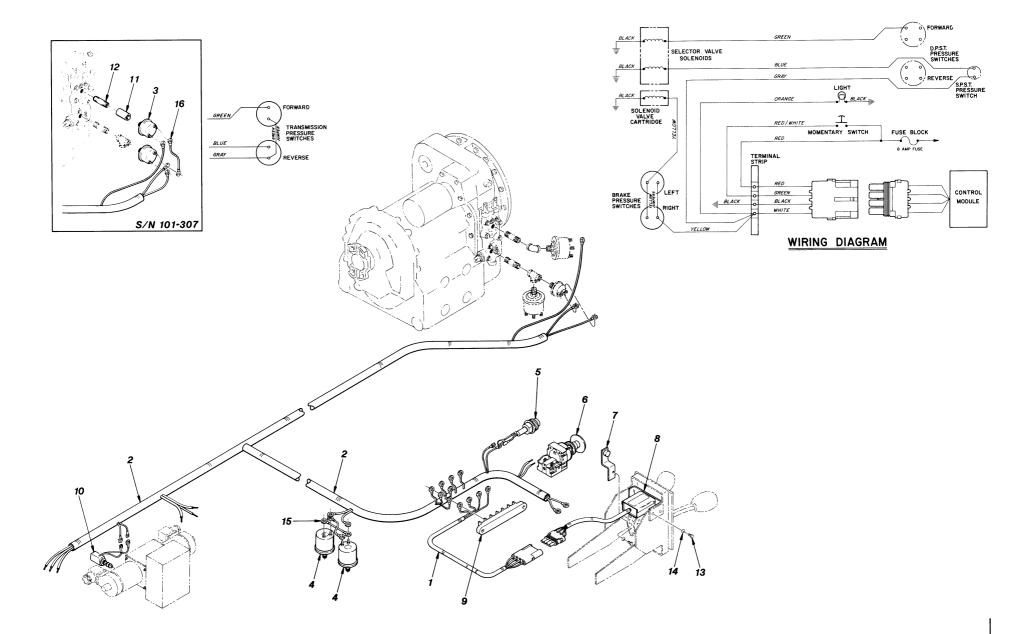
23479-1

ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
ITEM	NUMBER	QIY.	DESCRIPTION	T I LIVI	HOMBEIT	<u> </u>	DESCRIPTION
1	P27920	1	Wire Harness, Upper	41	B)P10758	1	Nipple, Pipe
2	P27922	i	Wire Harness, Intermediate	42	P10759	1	Nipple, Pipe
3	P27923	1	Wire Harness, Lower	43	P26248	1 1	Draw Latch
4	P27919	1	Wires, Gauges - Power	44	24317A	1 1	Bracket, Circuit Breaker
5	P19284	1	Wires, Gauges - Ground	45	P28456	1 1	Buzzer/Light, Parking Brake
6	P24274	1	Wire Harness, Back-Up Alarm	46	B)P10205	1	45° Elbow, Pipe
7	P27504	1	Wire, Alarm - Ground (Black - 16 GA.)	47	B)P28721	2	Switch, Pressure - D.P.S.T.
8	P27506	1	Wire, Fuse Block - Relay (Red - 14 GA.)	48	P28714	REF	Switch, Parking Brake
9	P27509	1	Wire, Alt Volt Regulator (White - 14 GA.)	49	P17554	1	Clamp, Harness
10	P27542	1	Wire, Alternator - Starter (Red - 6 GA.)	50	26092B	1	Quick Start (Item 50F Not Included)
11	P27520	1	Wire, Horn Button - Relay (Black - 16 GA.)	50A*	P28747	-	Fuse, AGC - 15 AMP
12	P28785	1	Battery Cable, Positive	50B*	P27303	-	Valve Gasket
13	P19834	1	Battery Cable, Negative	50C*	P27304	-	Filter, O-Ring
14	P19835	1	Battery Cable, Ground	50D*	P27305	-	Coupling, Dirt Eliminator
15	P18122	1	Battery Cable, Negative to Positive	50E	P27306	-	Sensor, Engine Temp. (40° Surface)
16	P25385	(A)	Battery, 6 Volt	50F	N.L.A.	(A)	Starting Fluid Cylinder
17	23425C	1	Battery Box Cover	51	P02054	2	Screw, Slotted Rd. Hd., #10-24 x 1/2"
18	23426C	1	Battery Box Tray	52	P02057	4	Screw, Slotted Rd. Hd., #10-24 x 3/4"
19	P23214	1	Gauge, Fuel	53	P00003	2	Bolt, Hx., 1/4"-20 x 3/4"
20	P23216	1	Gauge, Oil Pressure	54	P00150	1	Bolt, Hx., 5/16"-24 x 1/2"
21	P27820	1	Gauge, Voltmeter	55	P00202	4	Bolt, Hx., 3/8"-16 x 3/4"
21	P23219	1	Gauge, Hour Meter	56	P00205	2	Bolt, Hx., 3/8"-16 x 1 1/4"
23	P23220	1	Gauge, Transmission Oil Temp.	57	P00250	1	Bolt, Hx., 3/8"-24 x 1/2"
24	P23221	1	Gauge, Water Temperture	58	P01306	7	Lockwasher, #10
25	P23222	1	Sender, Water Temperture	59	P01308	2	Lockwasher, 1/4"
26	P23215	REF	Sender, Fuel	60	P01309	2	Lockwasher, 5/16"
27	P23217	1	Sender, Oil Pressure	61	P01310	7	Lockwasher, 3/8"
28	P19472	1	Sender, Transmission Oil	62	P01402	4	Flatwasher, 1/4"
29	P19105	1	Switch, Pressure - S.P.S.T.	63	P01504	5	Nut, Hx., #10-24
30	P20812	REF	Switch, Neutral Start	64	P01506	2	Nut, Hx., 1/4"-20
31	P11092	REF	Switch, Ignition	65	P01507	1	Nut, Hx., 5/16"-18
32	P21787	REF	Diode Module	66	P01508	3	Nut, Hx., 3/8"-16
33	P13774	1	Back-Up Alarm	67	P01502	2	Nut, Hx., #6-32
34	P27315	1	Circuit Breaker	68	P01353	2	Starwasher, #6
35	P13707	1	Horn	69	P02016	2	Screw, Slotted Rd. Hd., #6-32 x 1/2
36	P13709	1 1	Horn Relay		Contin	uad as s	ext page 23479-1
37	P19203	2	Fuse, AGC-30 AMP		Continu	uea on n	ext page 23479-1
38	P24349	1	Fuse Block	—			
39	P10158	1	Reducer Bushing	522 S	N 298 THRU		4/89
40	P10200	1	Tee, Pipe	ELEC	TRICAL AS	SEMBI	LY (Perkins) Page 1 of 2

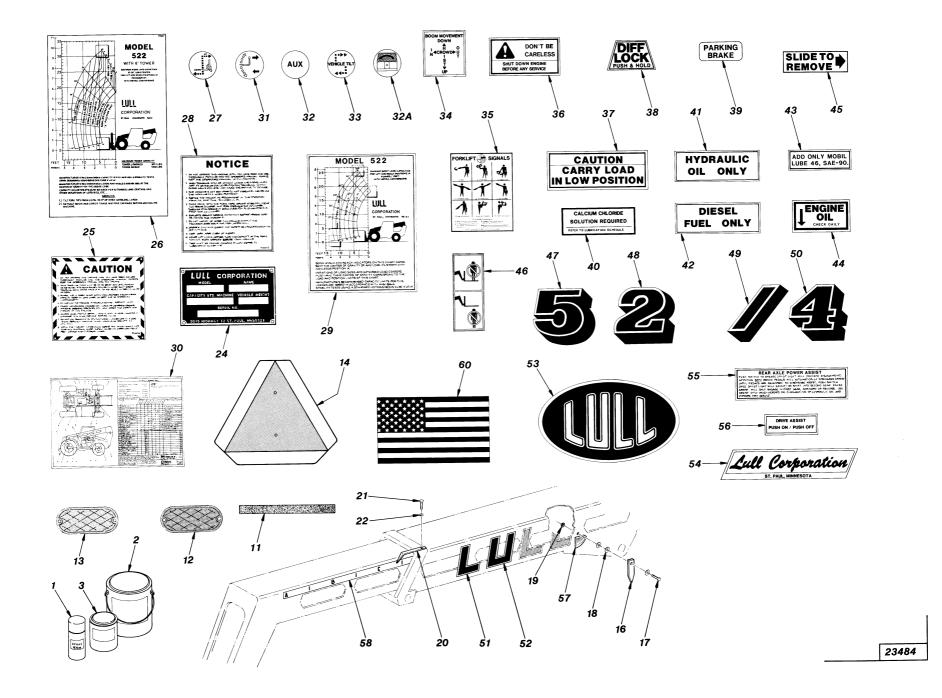
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
70 71 72 73 74	P27548 P28551 P27501 B)P28559	1 1 3 1	Wire, Fuse Block - Buzzer (Red - 14 GA.) Wire, Park Brake - Buzzer (Black - 14 GA.) Wire, Switch - Jumper (Green - 14 GA.) Wire, Pressure Switch to Parking Brake Switch (Green - 14 GA.) Wire, Pressure Switch to Ground (Black - 14 GA.)					
	* Not Illu	tion Initi strated	nt Fuse Block.					
					N 298 THRU TRICAL AS	SEMBI	LY (Perkins)	23479-1 4/89 Page 2 of 2



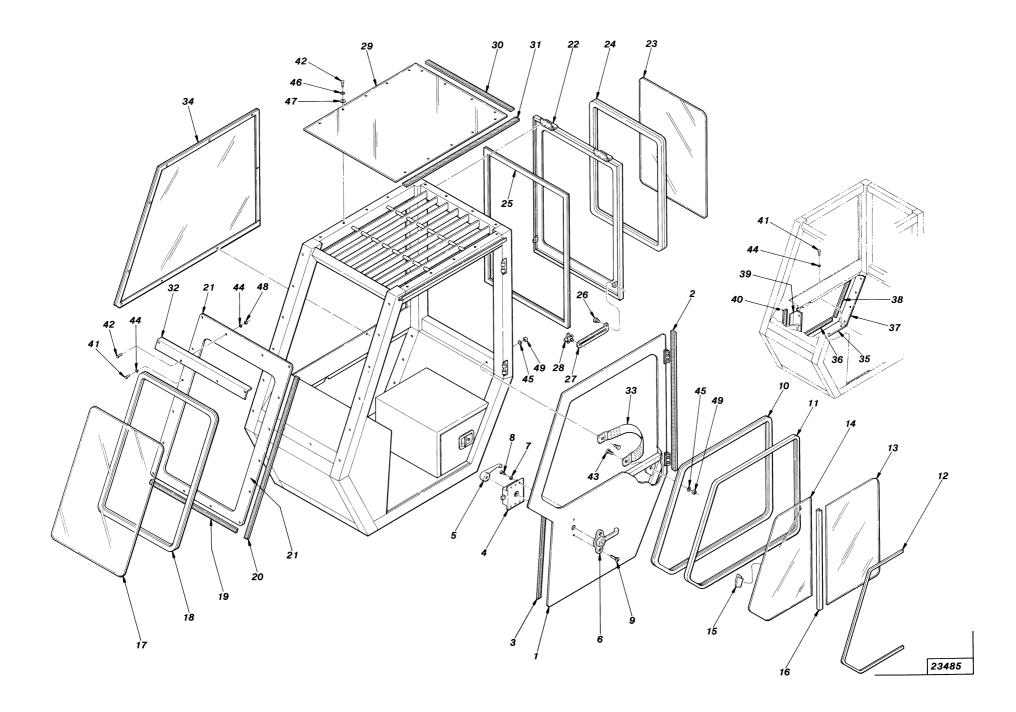




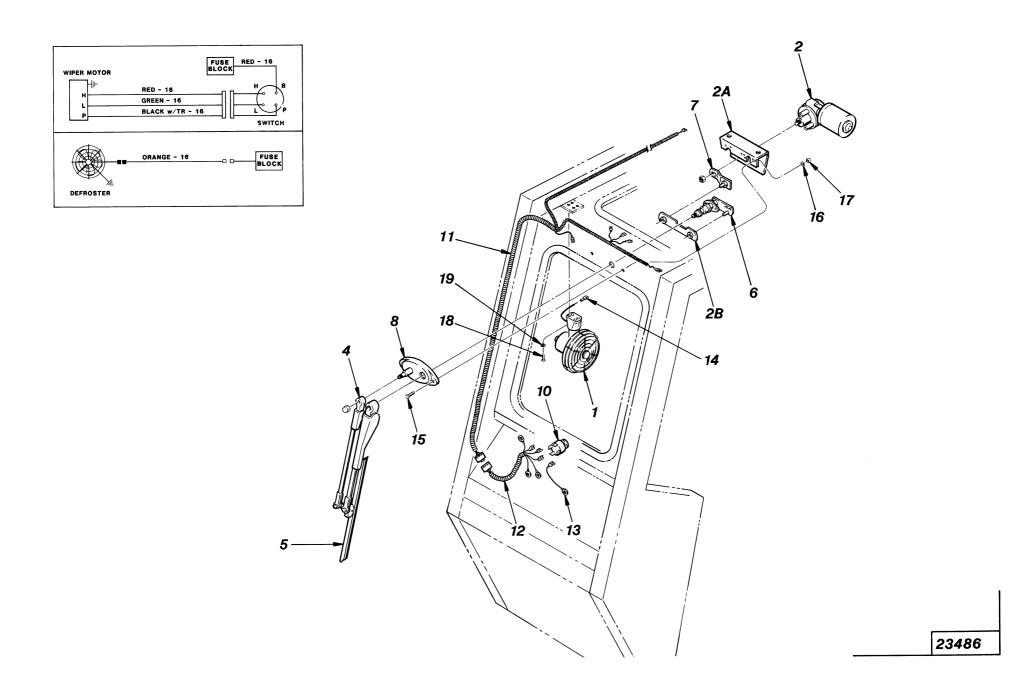
	PART				PART			
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	
		_						
1 1	P25719	1	Wire Harness, Pigtail					l
2	P25720	1	Wire Harness, Main					
3 ●	P19105	2	Pressure Switch, Transmission					İ
4	P25722	2	Pressure Switch, Brake					
5	P25723	1	Indicator Light		Ì			l
6	P25724	1	Momentary Switch					
7	P25742	1	Magnet Arm					I
8	P25743	1	Control Module					
9	P25744	1	Terminal Strip					-
10	P25728	1	Solenoid Valve					ı
110	P10664	1	Coupling, Pipe	1				l
12●	P10759	1	Nipple					
13	P03651	4	Screw, Self-Tap, 1/4"-20 x 1/2"	1				ĺ
14	P01357	4	Starwasher, 1/4" External					
15	P27502	2	Jumper Wire, Yellow					
16●	P27501	1	Jumper Wire, Green					
17*	P25495	1	Fuse, SFE 8 Amp	İ				
								- 1
								- 1
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1 1								
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1 1							0046	, ,
	• Used S/N 101 - 307 Only.						2348	57
				522 S	/N 101 THRU			4/89
	* Not Illus	strated.		POW	ER ASSIST	ELECT	RICAL ASSEMBLY	



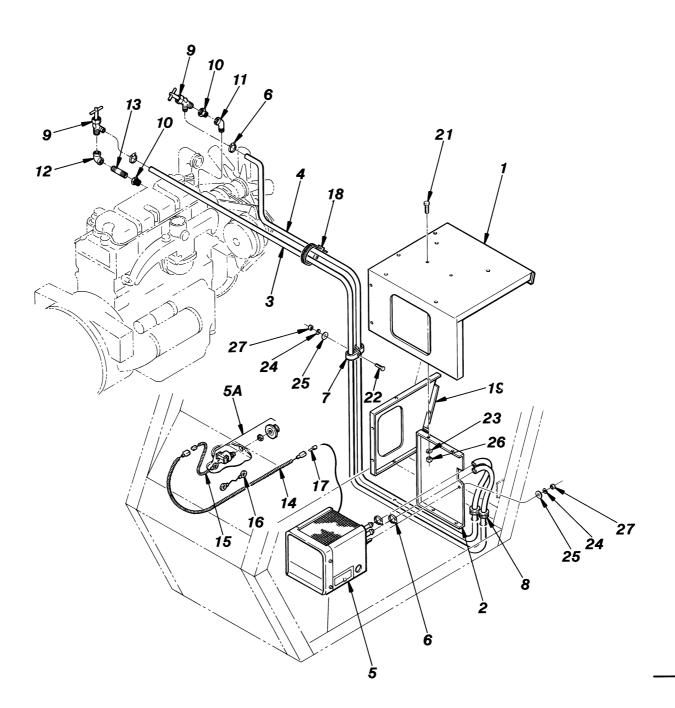
	PART				PART		DECODIDEION	
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	
	D	(4)	Out and Francis Course Roint	46	P27585	1	Decal, Carriage Safety	
	P16950-7	(A)	Orange Enamel Spray Paint	46	P27363 P26087	2	Decal, Number "5"	
2	N.L.A.	(B)	Orange Enamel Paint	47		1 1	Decal, Number "2"	
3	N.L.A.	(B)	Primer, Paint	48	P25541	4	Decal, Number 2 Decal, Slash	
4	N.L.A.	(B)	Thinner, Paint	49	P25543	2	Decal, Slash Decal, Number "4"	
11	N11599	3	No-Slip Surfacing (2" x 20" Long)	50	P25542	2	Decal, Number 4 Decal, Letter "L"	
12	P18991	2	Reflector, Red	51	P18185	6	•	
13	P18992	2	Reflector, Yellow	52	P18186	2	Decal, Letter "U"	
14	P19841	1	Slow Moving Vehicle Sign	53	P17586	1	Decal, "LULL" Logo	
15*	P27610	2	Screw, Hx. Washer Hd., #10-24 x 1/2"	54	P17607	1	Decal, Manufacture	
16	P26295	1	Pointer, Boom Angle Indicator	55	P25539	1	Decal, Drive Assist	
17	P00105	1	Bolt, Hx., 5/16"-18 x 1 1/4"	56	P25544	1	Decal, Assist On/Off	
18	P01403	3	Flatwasher, 5/16"	57	P18003	1	Decal, Boom Angle Indicate	
19	P01657	1	Locknut, Hx., 5/16"-18	58	23105A	1	Decal, Boom Extension Ind	icator
20	16306A	1	Pointer, Boom Extension	59	P28781	2	Decal, American Flag	
21	P00202	1	Bolt, Hx., 3/8"-16 x 3/4"					
22	P01310	1	Lockwasher, 3/8"	1				
23*	P15355	8	Drive Screw, Rd. Hd., #4 x 1/4"					
24	P16634	1	Plate, Serial Number					
25	P26474	2	Plate, Caution	REF	18794A	1	Decal Replacement Packag	е
26	P28515	REF	Decal, Load Chart - Tower				Includes Items 28 - 59.	
27	P18835	REF	Decal, Tower Lift Motion	1				
28	P26473	1	Decal, Notice					
29	P26472	1	Decal, Load Chart					
30	P26098	1	Decal, Lubrication Schedule					
31	P18188	1	Decal, Carriage Tilt Control					
32	P18190	1	Decal, Auxiliary Control					
32A	P28523	-	Decal, Carriage Side Tilt Control					
33	P18818	1	Decal, Vehicle Tilt Control					
34	P18836	1	Decal, Boom Movement (Joystick)			•	•	
35	P21406	1	Decal, Fork Lift Signals		NOTES:			
36	P24705	1	Decal, Don't Be Careless		A) Availa	ble Only	in Cases of (25) 12.5 oz. Spra	y Cans.
37	P24704	1	Decal, Carry Load Low		B) Procu	re All Ch	emical and Paint Supplies Loc	cally.
38	P25548	1	Decal, Diff. Lock - Foot Control					
39	P28522	1	Decal, Parking Brake					
40	P27558	4	Decal, Calcium Chloride Required		1			
41	P25545	1	Decal, Hydraulic Oil Only					22494
42	P25546	1	Decal, Diesel Fuel Only		* Not III	ustrated		23484
43	P25930	1	Decal, Axle Lube		<u> </u>			
44	P24703	1	Decal, Engine Oil	522 S	/N 101 THRU			4/89
45	P26479	1	Decal, Battery Box Cover	DECA	AL GROUP	ASSEM	BLY	



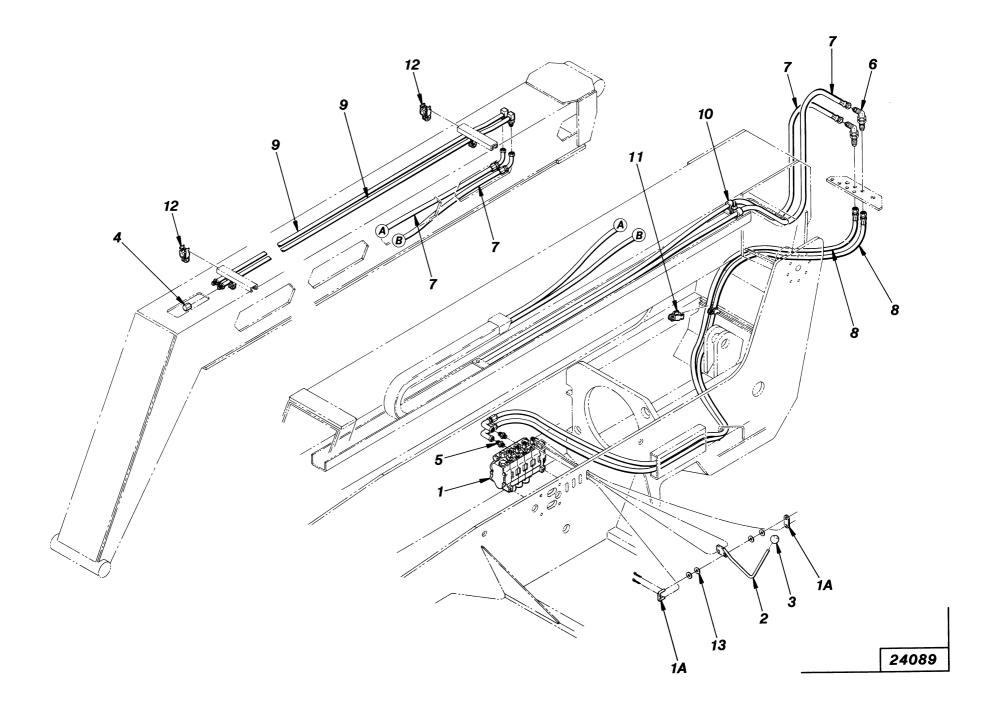
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
							One and One lead Only China 4/01 at 411 at 0711
	25029D	REF	Door Assembly (Incl. Items 1 - 16)	36	N11566	1	Sponge Gasket, Self-Stick, 1/2" x 1" x 27"
	25030D	1	Door Frame	37	25053B	1	Filler Panel, Rear
1A	22587A	-	Hinge, Door	38	N11567	1	Sponge Gasket, Self-Stick, 1/2" x 1" x 21"
2	N11792	1	Sponge Gasket, Self-Stick, 1/2" x 1" x 37"	39	25054B	1	Filler Panel, Front
3	N11565	1	Sponge Gasket, Self-Stick, 1/4" x 1" x 156"	40	N11597	1	Sponge Gasket, Self-Stick, 1/2" x 1" x 18"
4	P24342	1	Door Lock	41	P00003	25	Bolt, Hx., 1/4"-20 x 3/4"
5	P24343	1	Door Handle, Inside	42	P00005	16	Bolt, Hx., 1/4"-20 x 1"
6	P24344	1	Door Handle, Outside	43	P00300	2	Bolt, Hx., 7/16"-14 x 3/4"
7	P01355	6	Starwasher, #10	44	P01308	27	Lockwasher, 1/4"
8	P02079	6	Screw, Rd. Hd., #10-32 x 1/2"	45	P01311	2	Lockwasher, 7/16"
9	P03045	2	Screw, Ft. Hd., #10-32 x 3/4"	46	P01393	14	Starwasher, 1/4" - External
10	N11793	1	Weather Stripping	47	P01402	14	Flatwasher, 1/4"
11	N11794	1	Flex Channel, Window	48	P01506	5	Nut, Hx., 1/4"-20
12	N11795	1	Rubber Spacer, Window	49	P01509	2	Nut, Hx., 7/16"-14
13	P28546	1	Glass Window, Door - Stationary				
14	P28547	1	Glass Window, Door - Sliding				
15	P24268	1	Finger Pull				
16	N11412	1	Rigid Channel, Window	l			•
	25043C	REF	Front Window Ass'y (Incl. Items 17 - 21)				
17	P28548	1	Glass Window, Front	1			
18	N11791	1	Weather Stripping				
19	N11560	1	Sponge Gasket, Self-Stick, 1/4" x 1" x 29"				
20	N11790	2	Sponge Gasket, Self-Stick, 1/4" x 1" x 41"	l			
21	25044C	1	Frame, Front Window				
	25048C	REF	Rear Window Ass'y (Incl. Items 22 - 27)				
22	25049C	1	Frame, Rear Window				
22A	22587A	-	Hinge, Window Frame				
23	25051A	1	Window, Rear - Lexan				
24	N11419	1	Weather Stripping				
25	N11789	1	Seal Strip, Window Frame				
26	P19126	2	Rivot, Window Stay				
27	P19186	2	Window Stay Adjusting Strap				
28	P19127	2	Hand Knob				
29	25046B	1 1	Window, Top - Lexan				
30	N11560	1 1	Sponge Gasket, Self-Stick, 1/4" x 1" x 29"				
31	N11598	2	Sponge Gasket, Self-Stick, 1/4" x 1" x 36"				00405
32	25047B	1	Deflector				23485
33	P26731	1	Strap, Door		<u></u>	1	
34	24954C	REF	Window, Side - Lexan	522 O	PTION		4/89
35	25052B	1	Filler Panel, Lower	CAB	ASSEMBLY	,	



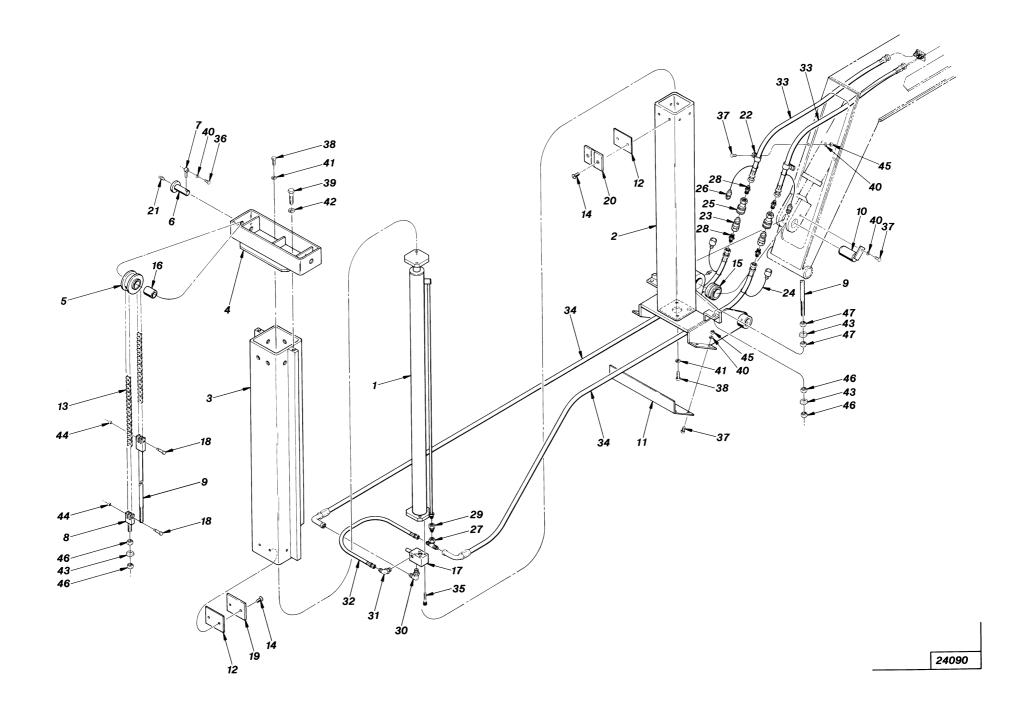
17514	PART	OTV	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
ITEM	NUMBER	QTY.	DESCRIPTION	I I E IVI	NUMBER	GIT.	DESCRIPTION	
1 1	P14059	1	Defroster Fan					
2	P25353	1	Wiper Motor					
2A	N.S.S.	REF	Bracket, Motor					l
2B	P25359	REF	Connecting Link					l
4	P25992	1	Wiper Arm					
5	P25993	1	Wiper Blade					
6	P25356	1	Pivot Shaft					
7	P25357	1	Crank Arm					
8	P25358	1	Pantograph Adapter					
10	P25371	1	Switch, Wiper - 2 Speed					
11	P26485	1	Wire Harness, Upper					
12	P26770	1	Wire Harness, Lower					
13	P27544	1	Wire, Switch To Fuse Block (Red - 16 GA.)					
14	P13510	1	Terminal, Male (For Defroster)					
15	P00003	2	Bolt, Hx., 1/4"-20 x 3/4"					
16	P01308	2	Lockwasher, 1/4"					
17	P01506	2	Nut, Hx., 1/4"-20					
18	P02054	4	Screw, Slotted Rd. Hd., #10-24 x 1/2"	İ				
19	P01306	4	Lockwasher, #10					
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				522 O	PTION			4/89
				WIPE	R AND DEF	ROST	R ASSEMBLY	



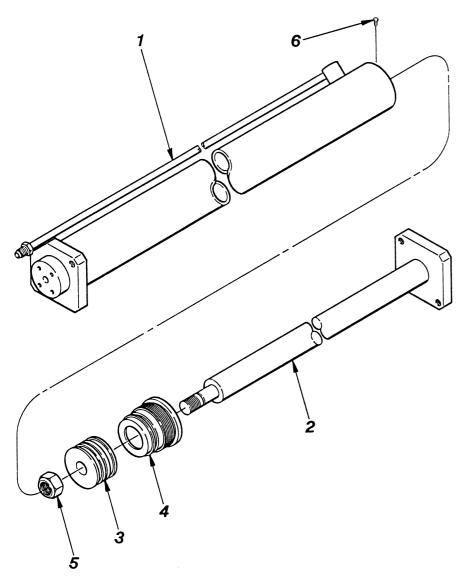
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
1	A)26051C	1	Seat Box, Heater					
2	25203C	1	Mounting Panel, Heater					
3	N11729	1	Heater Hose, 5/8" x 72"					
4	N11730	1	Heater Hose, 5/8" x 66"					
5	P13290	1	Heater, Hot Water					
5A	P25987	REF	Switch, Heater					
6	P10186	4	Hose Clamp					
7	P17593	4	Clamp, Heater Hose					
8	P24763	2	Grommet, Hose					
9	P23266	2	Shut-Off Valve					
10	P10120	2	Reducer Bushing	:				
11	P10118	1	45° Elbow, Street					
12	P10224	1	90° Elbow, Pipe					
13	P10789	1	Nipple, Pipe					
14	P26484	1	Wire Harness, Lower					
15	P26771	1	Wire Caritety To Free Block (Bod 16 CA)					
16	P27545	1	Wire, Switch To Fuse Block (Red - 16 GA.)					,
17	P13510	1 1	Terminal, Male					*
18	P17989	3	Ty-Rap					
19	A)26067C	1	Panel, Side		İ			
21	P00001	4	Bolt, Hx., 1/4"-20 x 1/2"		l			
22	P00102	2	Bolt, Hx., 5/16"-18 x 3/4"					
23	P01308	4	Lockwasher, 1/4"					
24	P01309	5 5	Lockwasher, 5/16" Flatwasher, 5/16"					
25	P01403	1						
26	P01506	4	Nut, Hx., 1/4"-20					
27	P01507	5	Nut, Hx., 5/16"-18					
1								
j					NOTES			
					NOTES:	oo Cton	doud Carringont	
					A) Replac	es Stan	dard Equipment.	
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				1	1			
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				522 O	PTION	•		4/89
				CAB	HEATER AS	SEMB	LY (HOT WATER)	
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ITEM	PART	OTV	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
ITEM	NUMBER	QTY.	DESCRIPTION	TIEW	NOWBER	GII.	DESCRIPTION	
1 1	P28490	1	Valve, 4 Spool					
1A	P27957	REF	Clevis Kit					1
1B	P28737	-	Valve Section, 2nd Auxiliary					1
1C	P28736	_	Stud Kit (4 Section)					
2	26390A	1	Handle, Valve					
3	P18721	1	Knob, Handle					
4	P21627	2	Cap, Hex					
5	P15406	2	Connector, O-Ring					l
6	P18947	2	45° Elbow, Bulkhead					
7	P28641	2	Hyd. Hose .38" x 177"					
8	P28642	2	Hyd. Hose .38" x 119"					l
9	P26262	2	Hyd. Tube .38" O.D.					
10	P17553	2	Clamp, Hyd. Hose					
11	P20466	2	Clamp, Hyd. Hose					
12	P26015	4	Clamp, Hyd. Tube					
13	P01402	4	Flatwasher, 1/4"					l
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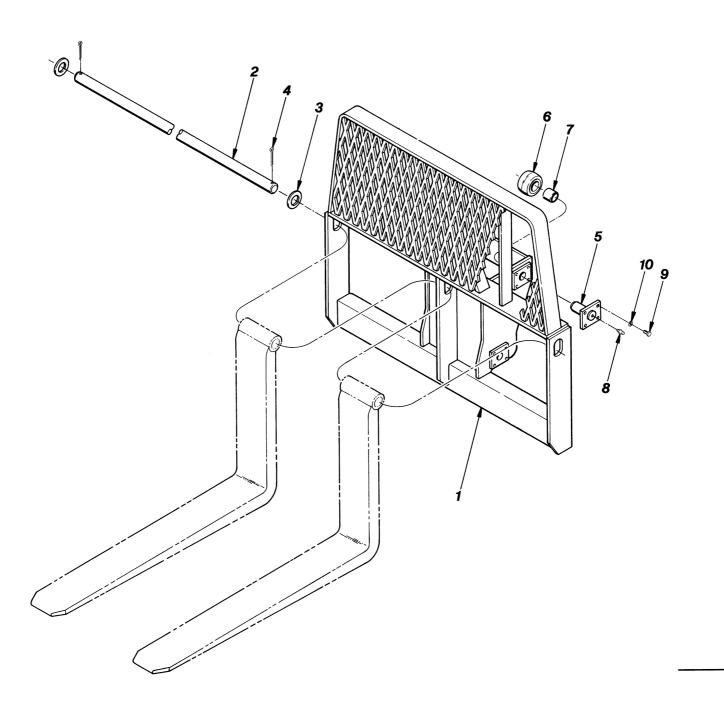


	PART				PART			
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	
	D07704		Outlandon Tower	40	P01310	ا ا	Lockwasher, 3/8"	
	P27791	1	Cylinder, Tower	40 41	P01310 P01312	9 4	Lockwasher, 1/2"	
2	26129D	1	Upright Frame Yoke Tube	42	P01312	2	Lockwasher, 5/8"	1
3	26135C	1		42	P01314 P01363	6	Starwasher, 5/8"	ĺ
4	26137C	1	Pulley Housing	43 44	P01505	4	Nut, Hx., 1/4"-20	
5	14979B	2	Chain Pulley			1 1	Nut, Hx., 3/8"-16	İ
6	26143A	2	Pin, Chain Pulley	45 46	P01508	6	Nut, Hx., 5/8"-18	
7	26161A	2	Lock Pin	46 47	P01535 P01585	8 4	Jam Nut, Hx., 5/8"-18	
8	15055B	2	Chain Anchor, Short	47	P01383	4	Jaili Nut, 11x., 5/6 - 16	
9	26141B	2	Chain Anchor, Long					
10	18128A	1	Pin, Tower Pivot					
11	26149B	1	Cover Plate	DEE+	A\D00545		Decal Toward and Chart	
12	26152A	8	Shim, Wear Pad	REF*	A)P28515	1	Decal, Tower Load Chart	
13	N11839	2	Chain - For Standard Carriage	REF*	A)P18835	1	Decal, Tower Lift Motion	
	N11838	2	Chain - For Tilting Carriage					
14	P17676	16	Screw, Brass, Slotted Flat Hd.					
15	P18830	1	Bushing, Self - Aligning					
16	P20365	2	Bushing, Chain Pulley					
17	P26324	1	Counterbalance Valve		ĺ			
18	P27971	4	Shoulder Bolt, Self - Locking, 5/16" Dia. x 1"					
19	P28503	7	Wear Pad					
20	P28504	1	Wear Pad, Grooved		<u> </u>			
21	P16611	3	Grease Zerk					
22	P17553	2	Clamp, Hyd. Hose					
23	P11353	2	Quick Coupler, Male					
24	P10325	2	Dust Cap					
25	P11354	2	Quick Coupler, Female					
26	P10326	2	Dust Plug	İ				
27	P19845	1	Tee, Swivel	!				
28	P19875	4	Connector, JIC - Pipe				•	
29	P26605	1	Reducer, Swivel		NOTES:			·
30	P18935	1	90° Elbow, O-Ring		A) See De	cal Grou	ip for Illustration.	
31	P21919	1	90° Elbow, O-Ring		ĺ		-	
32	P21617	1	Hyd. Hose .25" x 14"					
33	P18904	2	Hyd. Hose .38" x 36"					
34	P28643	2	Hyd. Hose .38" x 50"					
35	P01791	4	Bolt, Socket Hd., 5/16"-18 x 2 1/4"				r	0.1000
36	P00203	2	Bolt, Hx., 3/8"-16 x 7/8"	* Not Illustrated 24090				24090
37	P00204	7	Bolt, Hx., 3/8"-16 x 1"		1			
38	P00403	4	Bolt, Hx., 1/2"-13 x 1 1/4"	522 O	PTION			4/89
39	P00604	2	Bolt, Hx., 5/8"-11 x 2"	TOWER ASSEMBLY				

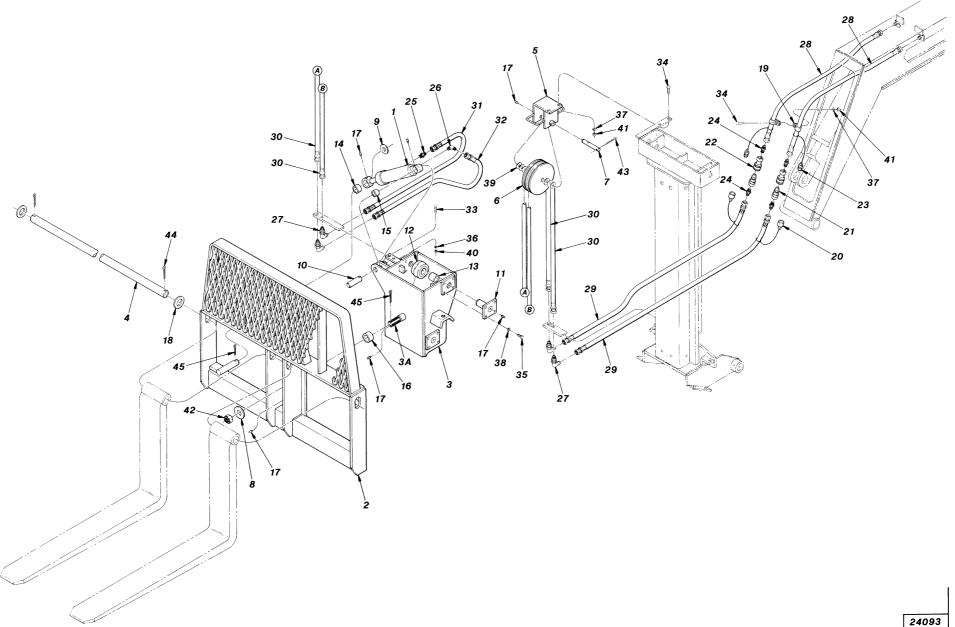


ITEM	PART NUMBER	QTY.	DESCRIPTION						
REF	P27791	-	Tower Cylinder						
			For Cylinders With 2" Dia. R	od					
1	P27894	1	Barrel Weldment						
2	P27895	1	Rod Weldment (2.00" Dia.)						
3	P27896	1 1	Piston						
4	P27897	1	Rod Bearing						
5	P20085	1	Locknut						
7*	P27898	1	Stroke Limiter						
REF	P27899	1	Seal Kit						
			For Cylinders With 1 3/4" Di	a. Rod					
1	P27266	1	Barrel Weldment						
2	P27867	1	Rod Weldment (1 3/4" Dia.)						
3	P27875	1	Piston						
4	P27881	1	Rod Bearing						
5	P27278	1	Locknut						
6	P24889	1	Capscrew						
REF	P27298	1	Seal Kit						
	* Not Illu	strated	j	24091					
	24031								
522 O	522 OPTION 4/89								

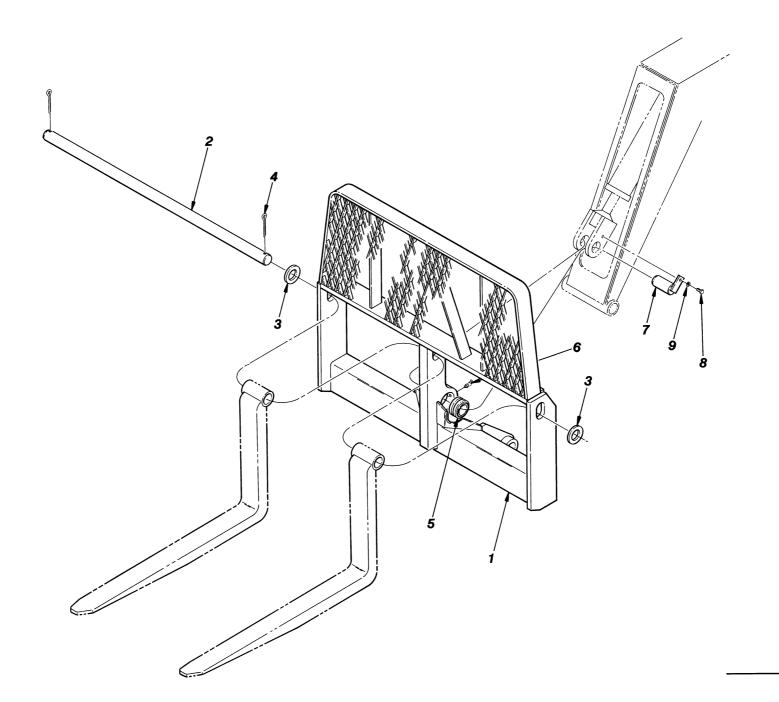
TOWER CYLINDER ASSEMBLY



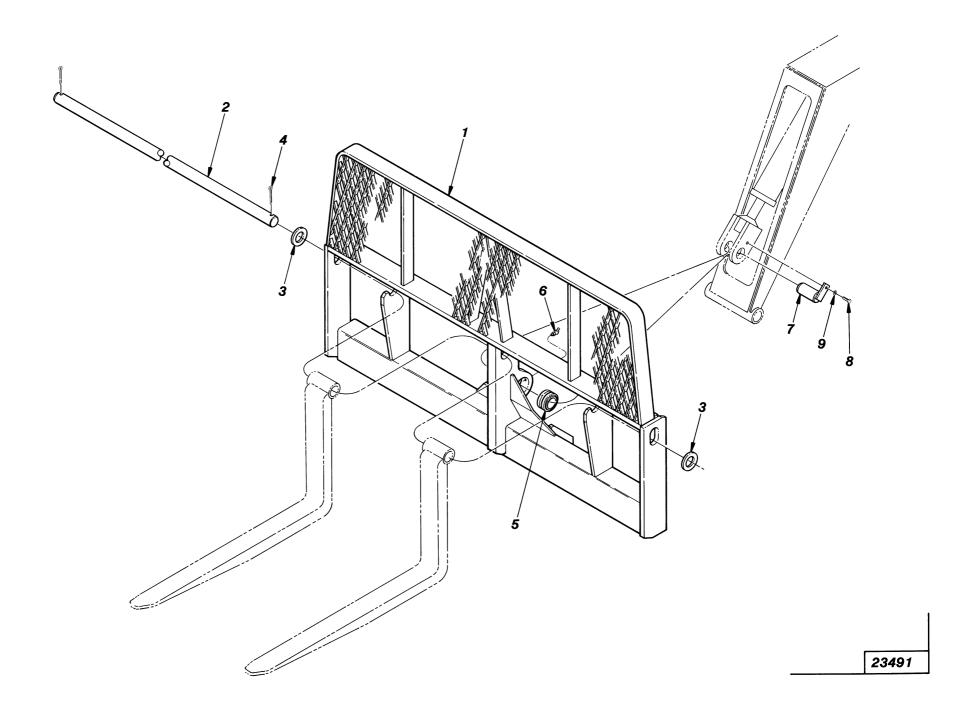
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
1 2 3 4 5 6 7 8 9	26121D 18134A P19926 P03906 26146B 26150B P19110 P16611 P00204 P01310	1 1 2 2 4 4 4 4 16 16	Carriage, Tower Fork Shaft Washer, Fork Shaft Cotter Pin, 3/8" x 3" Spindle Roller Bushing, Roller Grease Zerk Bolt, Hx., 3/8"-16 x 1" Lockwasher, 3/8"		NOMBER		DESCRIPTION	
				522 OI STAN		N - TIL1	T) TOWER CARRIAGE ASSE	24092 4/89 EMBLY



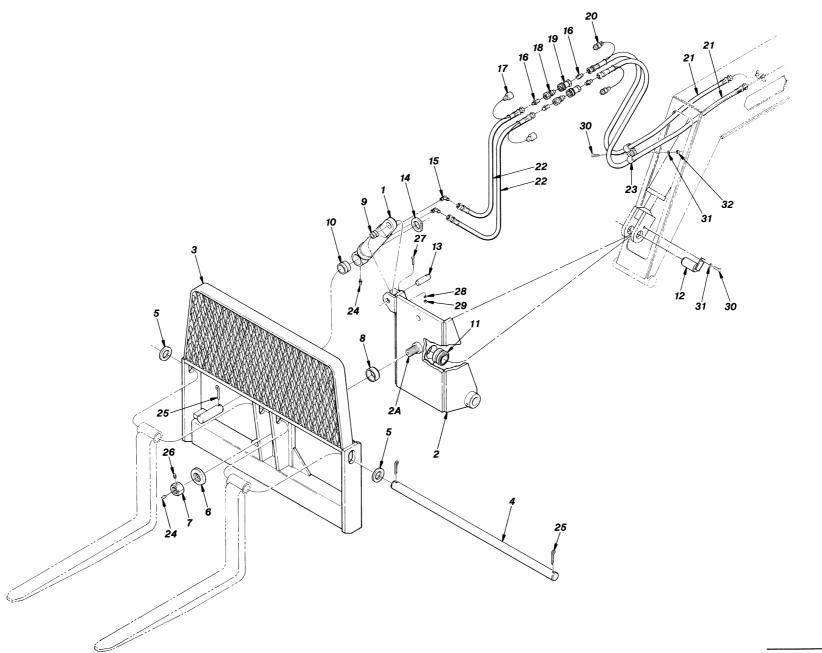
	PART				PART			
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	
	Doores	•	Outlinday Comings Tilk	40	D04507		No. 4 Us. 5/401 40	
1 1	P20139	1	Cylinder, Carriage Tilt	40	P01507	1	Nut, Hx., 5/16"-18	
2	26298D	1	Outer Carriage, Tower	41	P01508	3	Nut, Hx., 3/8"-16	
3	26301D	1	Inner Carriage, Tower	42	P01627	1	Slotted Nut, Hx., 1 3/4"-12	
3A	30390D	REF	Pivot Shaft Field Repair	43	P03840	1	Cotter Pin, 1/8" x 1 1/2"	
4	18134A	1	Fork Shaft	44	P03905	2	Cotter Pin, 3/8" x 2 1/2"	
5	16114B	1	Housing, Hose Sheave	45	P03906	2	Cotter Pin, 3/8" x 3"	
6	16115B	1	Hose Sheave					
7	16117A	1	Pin, Hose Sheave					
8	16223A	1	Thrust Washer, Pivot Pin					
9	16226A	1	Washer, Spacer					
10	16229A	1	Pin, Tilt Cylinder, Upper					
11	26146B	4	Spindle, Roller					
12	26150B	4	Roller, Tower					
13	P19110	4	Bushing, Roller					
14	P19106	1	Bushing, Cylinder - Lower					
15	P25199	1	Bushing, Cylinder - Upper					
16	P20890	1	Bushing, Pivot Pin					
17	P16611	10	Grease Zerk					
18	P19926	2	Washer, Fork Shaft					
19	P17553	2	Clamp, Hyd. Hose					
20	P10325	2	Cap, Dust					
21	P11353	2	Quick Coupler, Male					
22	P11354	2	Quick Coupler, Female					
23	P10326	2	Plug, Dust					
24	P19875	4	Connector, JIC - Pipe					
25	P18938	1	Connector, JIC - Pipe					
26	P18943	1	45° Elbow, JIC - Pipe					
27	P18931	4	90° Elbow, Bulkhead	'				
28	P18904	2	Hyd. Hose .38" x 36"					
29	P18094	2	Hyd. Hose .38" x 38"	1				
30	P21960	2	Hyd. Hose .38" x 108"					
31	P25212	1	Hyd. Hose .38" x 19"					
32	P18087	1	Hyd. Hose .38" x 21"					
33	P00108	1	Bolt, Hx., 5/16"-18 x 2"					
34	P00204	3	Bolt, Hx., 3/8"-16 x 1"		l			
35	P00403	16	Bolt, Hx., 1/2"-13 x 1"		1			
36	P01309	1	Lockwasher, 5/16"				24093	
37	P01310	3	Lockwasher, 3/8"	F00 6	DTION		4/00	
38	P01312	16	Lockwasher, 1/2"	522 OPTION 4/89				
39	P01408	6	Flatwasher, 5/8"	TOWER TILTING CARRIAGE ASSEMBLY				



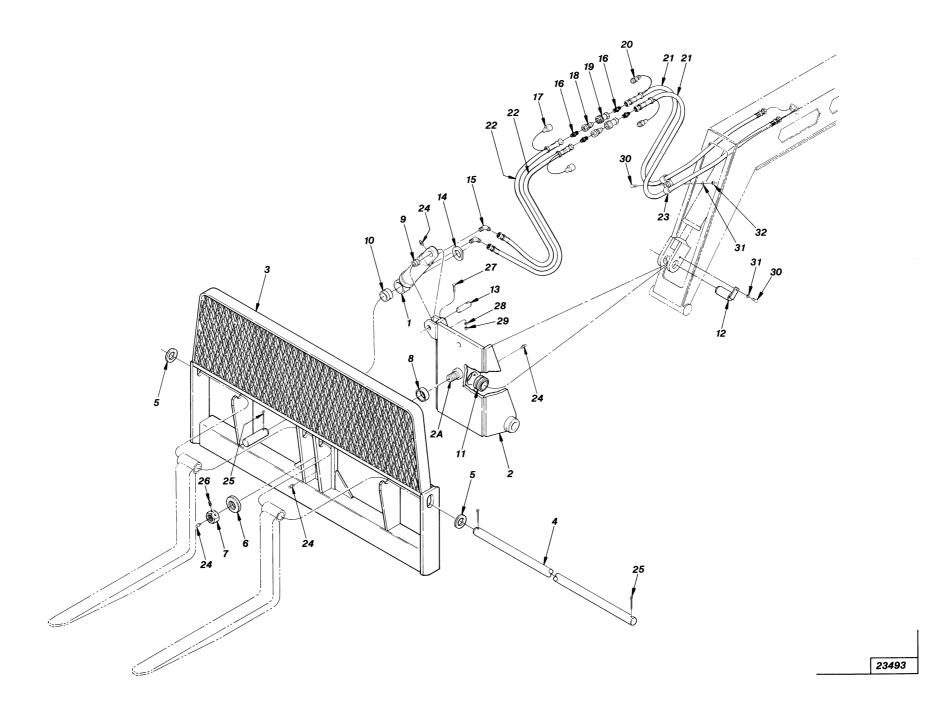
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
11514	HOMBER	<u> </u>	DEGCIII NON					
1 1	23709D	1	Carriage, Standard					
2	18134A	1	Fork Shaft					
3	P19926	2	Washer, Fork Shaft					
4	P03906	2	Cotter Pin, 3/8" x 3"					
5	P18830	1	Bushing, Self - Aligning					
6	P15367	1	Grease Zerk, 45°					
7	18128A	1	Pin, Carriage Pivot					
8	P00204	1	Bolt, Hx., 3/8"-16 x 1"					
9	P01310	1	Lockwasher, 3/8"					
REF	P19255	-	Pallet Fork, 42" x 4" x 2"					
REF	P19389	-	Pallet Fork, 48" x 4" x 2"					
REF	13278D	_	Cubing Fork, 48" x 2" x 2"					
''-'	102705							
						1		
1								
						1		
							23490	
				522 O			4/89	
				50" STANDARD (NON - TILT) CARRIAGE ASSEMBLY				



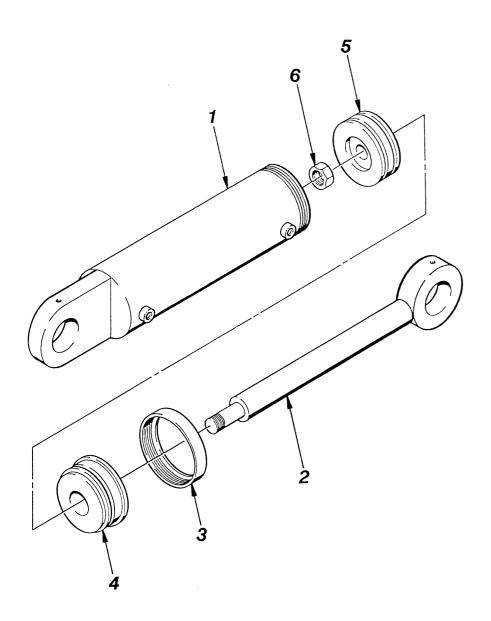
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION
1 1	24412D	1	Carriage, Framers				
2	18138A	1	Fork Shaft				
3	P19926	2	Washer, Fork Shaft				
4	P03906	2	Cotter Pin, 3/8" x 3"				
5	P18830	1	Bushing, Self - Aligning				
6	P15367	1	Grease Zerk, 45°				
7	18128A	1	Pin, Carriage Pivot				
8	P00204	1	Bolt, Hx., 3/8"-16 x 1"				
9	P01310	1	Lockwasher, 3/8"				
REF	P19255	-	Pallet Fork, 42" x 4" x 2"				
REF	P19389	-	Pallet Fork, 48" x 4" x 2"				
REF	13278D	-	Cubing Fork, 48" x 2" x 2"				
	:						
							23491
				522 O	PTION		4/89
				74" FF	RAMERS (N	ON - T	ILT) CARRIAGE ASSEMBLY



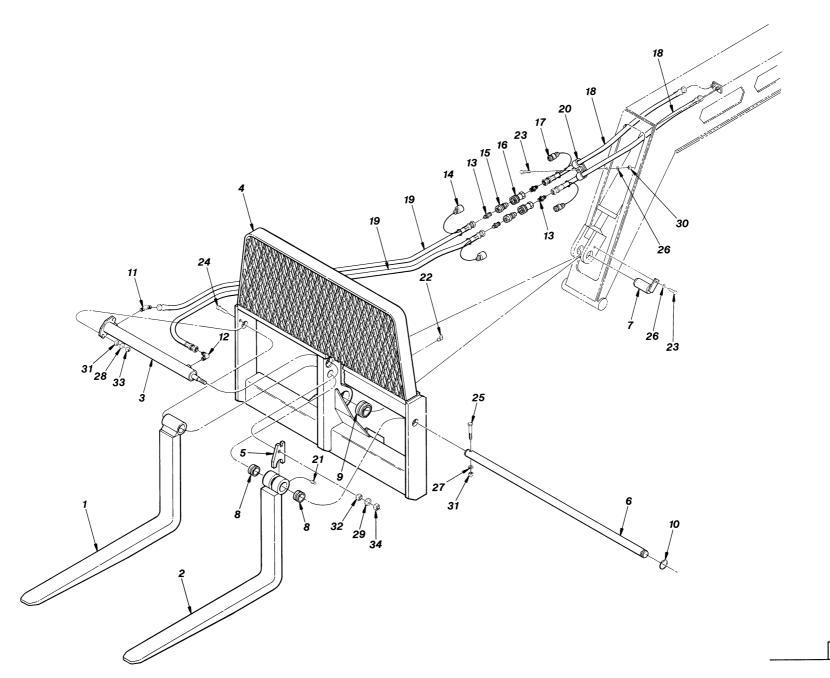
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
		I						
1 1	A)P20139	1	Cylinder, Tilting Carriage					
2	24390D	1	Inner Carriage					
2A	30387D	REF	Pivot Shaft (Field Repair)					
3	18279D	1	Carriage, Standard Tilting	İ				
4	18134A	1	Fork Shaft					
5	P19926	2	Washer, Fork Shaft					
6	16223A	1	Thrust Washer					
7	16224A	1	Nut, Pivot Shaft					
8	P20889	1	Bushing, Pivot Shaft					
9	P25199	1	Bushing, Cylinder - Upper					
10	P19106	1	Bushing, Cylinder - Lower					
11	P18830	1	Bushing, Self - Aligning	İ				
12	18128A	1	Pin, Carriage Pivot					
13	16229A	1	Pin, Tilt Carriage Cylinder					
14	16323A	1	Washer, Special	1				
15	P18943	2	45° Elbow, JIC - Pipe					
16	P19875	4	Connector, JIC - Pipe					
17	P10325	2	Cap, Dust					
18	P11353	2	Quick Coupler, Male					
19	P11354	2	Quick Coupler, Female					
20	P10326	2	Plug, Dust					
21	P18904	2	Hyd. Hose .38" x 36"					
22	P18856	2	Hyd. Hose .38" x 47"					
23	P17553	2	Clamp, Hyd. Hose					
24	P16611	6	Grease Zerk					
25	P03906	3	Cotter Pin, 3/8" x 3"					
26	P02612	2	Setscrew, Cup Pt., 3/8"-16 x 3/8"					
27	P00108	1	Bolt, Hx., 5/16"-18 x 2"					
28	P01309	1	Lockwasher, 5/16"			•	•	
29	P01507	1	Nut, Hx., 5/16"-18		NOTES:			
30	P00204	2	Bolt, Hx., 3/8"-16 x 1"		A) For Pai	rts Breal	kdown, See Tilting Carriage	
31	P01310	2	Lockwasher, 3/8"		Cylinde	er Assen	nbly.	
32	P01508	1	Nut, Hx., 3/8"-16				1	
REF	P19255	-	Pallet Fork, 42" x 4" x 2"					00400
	_							23492
REF	P19389	-	Pallet Fork, 48" x 4" x 2"	522 O	PTION	L		4/89
REF	13278D	-	Cubing Fork, 48" x 2" x 2"			TILTING	G CARRIAGE ASSEMBLY	



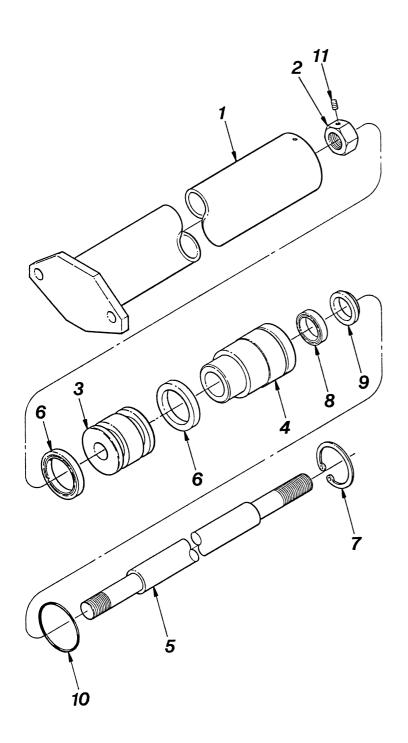
ITEM	PART NUMBER	QTY.	DESCRIPTION	ITEM	PART NUMBER	QTY.	DESCRIPTION	
								-
1 1	A)P20139	1	Cylinder, Tilting Carriage					
2	24390D	1	Inner Carriage					
2A	30387D	REF	Pivot Shaft (Field Repair)					
3	18280D	1	Carriage, Framers Tilting					
4	18138A	1	Fork Shaft					
5	P19926	2	Washer, Fork Shaft					
6	16223A	1	Thrust Washer					
7	16224A	1	Nut, Pivot Shaft					
8	P20889	1	Bushing, Pivot Shaft					
9	P25199	1	Bushing, Cylinder - Upper					
10	P19106	1	Bushing, Cylinder - Lower					
11	P18830	1	Bushing, Self - Aligning	1				
12	18128A	1	Pin, Carriage Pivot	1				
13	16229A	1	Pin, Tilt Carriage Cylinder					
14	16323A	1	Washer, Special					
15	P18943	2	45° Elbow, JIC - Pipe		1			
16	P19875	4	Connector, JIC - Pipe					
17	P10325	2	Cap, Dust					
18	P11353	2	Quick Coupler, Male					
19	P11354	2	Quick Coupler, Female					
20	P10326	2	Plug, Dust					
21	P18904	2	Hyd. Hose .38" x 36"	•				
22	P18856	2	Hyd. Hose .38" x 47"					
23	P17553	2	Clamp, Hyd. Hose					
24	P16611	6	Grease Zerk	ŀ				
25	P03906	3	Cotter Pin, 3/8" x 3"					
26	P02612	2	Setscrew, Cup Pt., 3/8"-16 x 3/8"					
27	P00108	1	Bolt, Hx., 5/16"-18 x 2"	j				
28	P01309	1	Lockwasher, 5/16"					
29	P01507	1	Nut, Hx., 5/16"-18		NOTES:			
30	P00204	2	Bolt, Hx., 3/8"-16 x 1"		1 '		kdown, See Tilting Carriage	
31	P01310	2	Lockwasher, 3/8"		Cylind	er Assen	nbly.	
32	P01508	1	Nut, Hx., 3/8"-16					
						1	I	
D==	Dacass		Dellet Fork 400 v 40 v 00					
REF	P19255	-	Pallet Fork, 42" x 4" x 2"					23493
	Daccoc		Dollot Cork 40" v 4" v 9"					23433
REF	P19389	P19389 -	- Pallet Fork, 48" x 4" x 2"	522 O	PTION			4/89
REF	13278D	-	Cubing Fork, 48" x 2" x 2"			LTING	CARRIAGE ASSEMBLY	



REF	ITEM	PART NUMBER	QTY.	DESCRIPTION			
2 P25297 1 Rod Weldment 3 P23778 1 Rod Bearing Retainer 4 P23788 1 Rod Bearing 5 P19224 1 Piston 6 P19217 1 Locknut REF P20119 1 Seal Kit	REF	P20139	-	Tilting Carriage Cylinder			
	1 2 3 4 5	P25293 P25297 P23778 P23788 P19224 P19217	1 1 1 1	Barrel Weldment Rod Weldment Rod Bearing Retainer Rod Bearing Piston Locknut			
					23494		
I 522 ()DII()N 4/03	522 0						
TILTING CARRIAGE CYLINDER ASSEMBLY	1						



	PART				PART			
ITEM	NUMBER	QTY.	DESCRIPTION	ITEM	NUMBER	QTY.	DESCRIPTION	
1	P19255	REF	Pallet Fork, 42" x 4" x 2"					
	P19389	REF	Pallet Fork, 48" x 4" x 2"					
2	18656B	REF	Pallet Fork, 42" x 4" x 2"					
	18404B	REF	Pallet Fork, 48" x 4" x 2"					
3	A)16617D	1	Cylinder, Fork Shift					
4	25233D	1	Carriage, Fork Shift	1				
5	16643A	1	Fork Shifter					
6	18658A	1	Fork Shaft					
7	18128A	1	Pin, Carriage Pivot			İ		
8	18657A	2	Bushing, Shift Fork					-
9	P18830	1	Bushing, Self - Aligning					
10	P19480	1	Snap Ring					
11	P19550	1	45° Elbow, JIC - Pipe			ļ		
12	P20374	1	90° Elbow, JIC - Pipe	İ				
13	P19875	4	Connector, JIC - Pipe	ı				
14	P10325	2	Cap, Dust					
15	P11353	2	Quick Coupler, Male	1				
16	P11354	2	Quick Coupler, Female					
17	P10326	2	Plug, Dust					
18	P18904	2	Hyd. Hose .38" x 36"					
19	P19487	2	Hyd. Hose .38" x 60"					
20	P17553	2	Clamp, Hyd. Hose	Ì				
21	P16611	2	Grease Zerk			ŀ		
22	P15367	1	Grease Zerk, 45°					
23	P00204	2	Bolt, Hx., 3/8"-16 x 1"					
24	P00406	2	Bolt, Hx., 1/2"-13 x 2"					
25	P00410	1	Bolt, Hx., 1/2"-13 x 3"		ļ			
26	P01310	2	Lockwasher, 3/8"					
27	P01312	1	Lockwasher, 1/2"			ı	ı	
28	P01361	2	Starwasher, 1/2"		NOTES:			
29	P01364	1	Starwasher, 3/4"			ts Break	down, See Fork Shift	
30	P01508	1	Nut, Hx., 3/8"-16			er Assen		
31	P01510	3	Nut, Hx., 1/2"-13]		· , -	
32	P01513	1	Nut, Hx., 3/4"-10					
33	P01560	2	Jam Nut, Hx., 1/2"-13			ļ		
34	P01563	1	Jam Nut, Hx., 3/4"-10					
								23495
				522 O	PTION	1	1	4/89
				FORK	SHIFT CA	RRIAG	E ASSEMBLY	



ITEM	PART NUMBER	QTY.	DESCRIPTION			
REF	16617D	-	Fork Shift Cylinder			
REF 1 2 3 4 5 6 7 8 9 10 11	16617D 16652D 16649A 16648A 16646A P19419 P19418 P19417 P19416 P11425 P02562	1 1 1 1 1 1 1 1 1	Barrel Weldment Nut, Special Piston Rod Bearing Rod, Cylinder Seal, Piston Snap Ring Seal, Rod Wiper, Rod O-Ring Setscrew, Cup Pt., 1/4"-20 x 1/4"			
			23496			
	522 OPTION 4/89					
FORK SHIFT CYLINDER ASSEMBLY						

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