

Illustrated Parts Manual

Model 7C2

10709902 January 2000



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MAINTENANCE

This machine was checked and tested before shipment, but due to jults and vibrations during shipment, it should be thoroughly checked upon delivery. A through inspection should be made of all nuts, bolts, and hose connections. Tighten where necessary. All drive wheel lug bolts should be tightened to 100 lbs. torque when the machine is received. They should be ratightened after a day or two of use to shove torque factor. Check all parts for breakage, and check oil leaks. Oil levels should be replanished if necessary, and should be maintained at check plug levels at all times.

Upon delivery, lubricate all points as shown on the lubrication chart and follow its instructions thereafzer. Steering axle spindle bearings check and adjust if necessary.

CARE OF TIRES

For best results in operating a Luli 702 high-Lift, be sure to have all tires inflated properly. (When you receive the machine the 14.9-24 tires are carrying 50 lbs. air pressure each; this high pressure in shipping is to eliminate bouncing during transportation.) When working with this machine, lower the traction tires to 45 pai in the left-hand drive tire; change the pressure in the right-hand drive tire to 42 psi. This is the proper pressure under most working conditions. For light loads and soft ground conditions, lower pressures can be used, but reinflate to above for heavy loads. Hear or steering tires should be inflated to at least 50 P.S.I.

CALCIUM-CHLORIDE FILLED TIRES

For an added safety feature in lifting heavy loads to great beignes, Lull Engineering Co. Insists on 450 lbs. of calcium coloride water solution in each of the driving tires for additional stability and improved traction. Each driving tires is three-quarters full with 450 lbs. When the solution comes up to the valve stem when it is on the high side of the tire, this is the proper location when filling.

NOTE: THE WARRANTY ON THE MACHINE IS VOID WITHOUT THE 450 LBS. OF CALCIUM CHLORIDE SOLUTION IN EACH DRIVE TIRE AND 160 LBS. CALCIUM CHLORIDE IN EACH STRERING TIRE.

Special attention should be given to the hydraulic system. It's failure could result in danger to the load and to persons and property in the immediate eres. Any oil leak should be repaired and all worn hoses should be replaced. It is essential that these parts are replaced with genuine LULL ENGINEERING CC. parts, and no other.

CAUTION: DO NOT USE STANDARD HANDWARE STOKE FIFES AND FEITINGS. VERY FEW HARDWARE STORES OR PLUMBERS STOCK EXTRA STRONG PIPES ON AAR FITTINGS.

How to fill the systemial tank and systems will the tank full of hydraulic oil. Then have the operator raise and lower the noise cylinder; folly extend and retract every cylinder on the uniting justem slowly. This also includes the steering booster by turning it from extreme which to extreme left position, and back to center. After all cylinders and the hydraulic system are full of oil and collapsed, would the supply tank to the lower check level plug.

Never not the empire unless the hydraulic tank intake line to the pump is connected and Filled with cil.

When hydrators fluid is added to the system, always pour it that a micro: filter. If a micron filter is not available, use a tunnel with a flue wire screen (at least 200 mesh) inserted in the trail end.

Be commain that the hydroulic fluid meets the specifications we listed in the imbrication enact.

Never operate the control levers when the engine is not funding. This causes air cavitation above the piston and results to momentary sulfiting action. It air cavitation should occur, the cil can be recladed by working the control lever until by-pass statter is heard in full forward or full back position.

Steering booster operation, pressures are poverned by relief valves. The system of receing pressure, ensembled with the steering struckles blocked, should not exceed the recommended pressure witing of 1000 pst. These operating pressures should be reduced if it is found that the thrust developed is appreciable prester an that roomsed for normal steering conditions.

Plactuating pressure or loss of pressure to the system may result from faulty operation of the relief value. Usually this is caused by a damenod aprime, a worm popular, or by score, sludge, sic., lodging between the poppet and it's seat.

These parts can be inspected by unampling our desg link and bell stud from the steering goer and lowering one booster to blear the drag link. Dissassably may then be accomplished.

Pitron arm slope limit the number of degrees that the pitman arm can move in either direction. Proper adjustment of these stops is important to the provention of excessive thrust and cramping of the booster. Wheel slops should have 3/16 tack clearance at each wheel when pitman arm is in consider with the stop under operators platform.

-/-

^{2372:} Commany facilities provide for complete valve overhead on 24 hour seals when sent to the factory.

MAINTENANCE - 702-60"

This machine was checked and tested before shipment, but due to joins and vibrations during shipment, it should be throughly checked the should be rede of all nuts, boiled, and hose connections. Tighten where necessary. All drive wheal hig boils should be tightened to 100 lbs, torque when the excelled is received. They should be retightened after a day or two of iss to above torque factor. Check all parts for breakage, and should be maintained at check plug levels at all times.

Joon delivery, lubricate all points as shown on the lubrication chart and follow its instructions thereafter. Steering axle spindle bearings theory and adjust if necessary.

CARE OF TIMES

For the best results in operating a Lull 702 High-Lift, be sure to have all tires inflated properly. (When you receive the machine the 14.9-24 tires are carrying 50 lbs. air pressure each; this high pressure in snipping is to eliminate bouncing.)

When working with this machine, lower the traction tires to 35 osi in the left inside tire, end 33 pai in the right inside tire. The cutside drive tires should be 16 pai. The two steering tires should be inflated to 50 lbs. This is the proper pressure under most working conditions, lower pressure when working in soft ground or sand but reinflate to above for heavy toads.

CALCIUM-CHLORIDE FILLED TINES

For an added safety feature in lifting heavy loads to great beights, buil Engineering Company. Inc. insists on 450 lbs. of estature chloride water solution in each of the inside driving tires for additional stability and improved traction. Back driving tire is three-quarters full with 450 lbs. When the solution comes up to the valve stem when it is on the high side of the tire, this is the appear location when filling.

NOTE: THE WARRANTY ON THE MACHINE IS VOID WITHOUT THE 1,50 LBG. OF CALCIUM CHLORIDE SOLUTION IN EACH INSIDE DRIVING THE ONLY AND 160 LBS. CALCIUM CHLORIDE IN EACH STEERING THRE. NO CALCIUM CHLORIDE SOLUTION IN OUTSIDE DRIVE TIRES. WHEN HIGH FLOTATION TIRES ARE INSTALLED ON THE REAR ADD 160 LBS. CALCIUM CHLORIDE SOLUTION AND INPLATE THE TIRES TO TO 50 PSI.

Special attention anould be given to the hydraulic system. Its reliare could result in danger to the load and to persons and property in the immediate area. Any oil leak should be repaired and a all worn noses should be replaced. It is essential that these parts are replaced with genuine LULL ENGINZERING COMPANY, INC. parts and no other.

CAUTION: DO NOT USE STANDARD HARDWARE STORE PIVES AND PITTINGS.
VERY PEW HARDWARE STORES OR PLUMBERS STOCK EXTRA
STRONG PIPES OR ANY PITTINGS.

How to fill the hydraulic tank and system: Fill the tank full of hydraulic oil. Then have the operator raise and lower the hoist cylinder; fully extend and retract every cylinder on the entire system clowly. This also includes the steering booster by turning it from extreme right to extreme left position, and back to center. After all cylinders and the hydraulic bystom are foll of oil and collepsed, refill the supply tank to the lower check level plug.

Never run the engine unless the hydraulic tank intake line to the pump is connected one filled with oil.

When hydraplic fluid is added to the system, always pour it thrus a micron filter. If a micron filter is not evailable, use a furnel with a fine wire screen (at least 200 mash) inserted in the small end.

Be certain that the hydraulic fluid meets the specifications as lasted in the lubrication chart.

Never operate the control levers when the engine is not running. this causes air cavitation above the piston and results in momentary brifting action. If air cavition should occur, the oil can be replaced by weaking the control lever until hypers flutter is heard in full forward or full back position.

Standing booster operating pressures are governed by relief valves. The system operating pressure, checked with the steering knowless blocked, should not exceed the recommended pressure setting of 1930 psi. Those operating pressures should be reduced if it is found that the thrust developed is appreciable greater than that required for normal steering conditions.

Fluctuating pressure or loss of pressure in the system may result from faulty operation of one relief valve. Usually this is exceed by a damaged spring, a worn puppet, or by scale, sludge, etc., adging between the poppet and its seat.

These parts can be inspected by uncoupling the drag link and half stud from the steering gear and lowering the booster to clear the drag link. Disassembly may then be accomplished.

Pitman arm stops limit the number of degrees that the pitman arm can move in either direction. Proper adjustment of these stops is important to the prevention of excessive thrust and cramping of the booster. Wheel stops should have 3/16 inch clearance at each wheel when pitman arm is in contact with the stop under operators pistform.

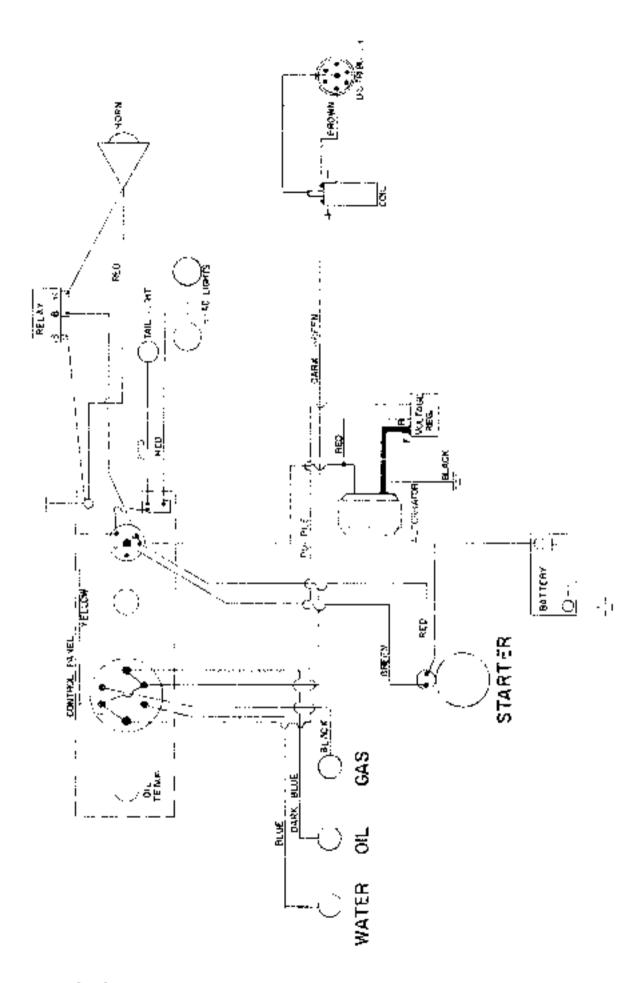
WOTE: Company facilities provide for complete valve overhaul on Zb hour basis when sent to the factory.

CAPACITIES - 702 MODELS

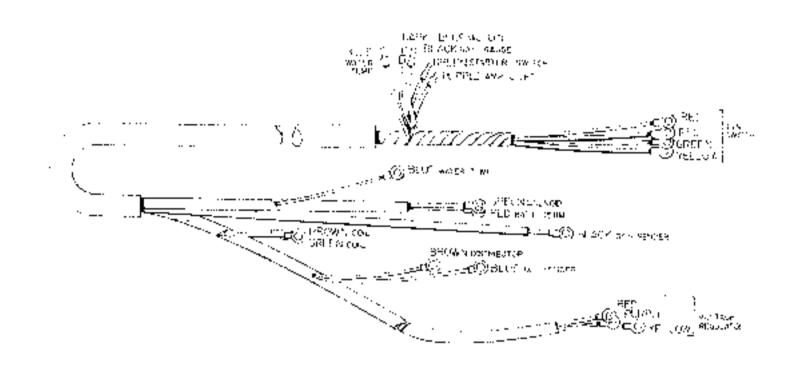
HYDRAULI (5 5 Y 5	T EM	Å;	RES!	ER	VI(R		٠			23	GAL.	
RADIATOR	COCL	ING	SY:	STE	Y.							20	QTS.	
CRANKCASE	C .			٠.								5	QTS.	
TORQUE CO	NVER	PER										2.5	GAL	
TRANSMISS	ION													
AND DIFFE	RETT]	LAL								•		11	GAL.	
FUEL TANK												27	1/2 (laL.
TIRES (CA	LCIUM	CH.	LOI	IDE	3)									
STB	Ering	PI.	RES					•			•	150 Per	-160 TIRE	LBS.
DRI	VE TI	KES	-	•		•		•	•		-	450 PER	LBS. TIRE	

NOTE: DUAL WHERL MODELS REQUIRE 450 LBS. ON INNER
DRIVE TIRES ONLY AND 150 to 160 LBS. PER
TIRE IN STEERING TIRES.

-11-

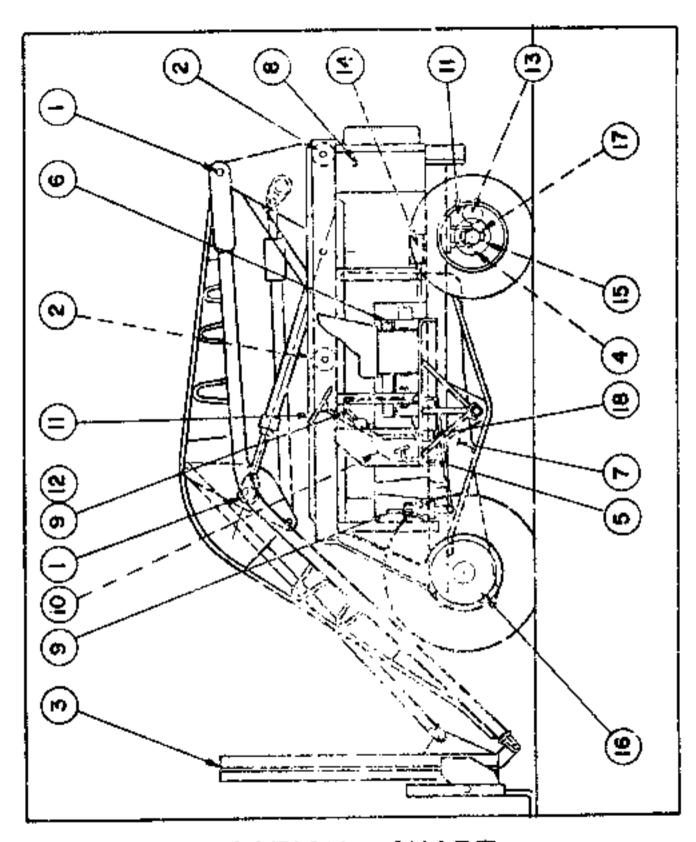


7C2 MOBELS) WIRING PIAGRAM NO. 11309 (FOR 7C) 8



WIRING HARNESS 70 LAND 702 MODELS

ASSY NO. 11562



LUBRICATION CHART

1120 - 42 -

LUBRICATION CHART MODEL 702

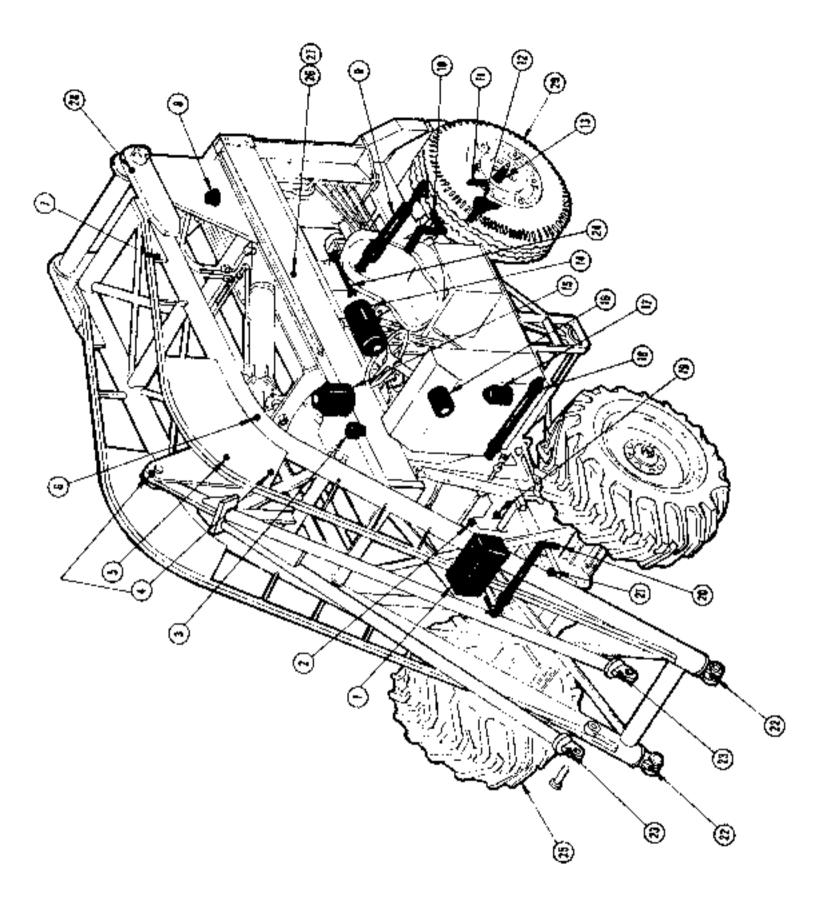
$L_{\rm obs}M$	PART	LUBRICANT	SERVICE	CHARGE
;	Lift Arm, Tilt winkage Toygle			
	And Cylinger Pivots	Super Permalube Grease	Daily	
2	Transverse Frame Rollers	Super Permaiube Grease	Daily	
3	Tower	Super Permalube Grease	Daily	
4	King Pins, Steering Inggles	.,		
	And Pivots	Super Permalube Grease	Daily	
5	Brake Pivot Shaft	Super Permalube Grease	Daily	
6	üngine: Belaw 32° F.	AMOCO 200 SAE 10W	Daily	130 Hrs.
	∆bove 32° F.	AMOCD 200 SAE 30	Vaily	100 Hrs.
	Di? Filter clement		Ť	300 Prs.
	Air Cleaner: Oil Bath	AM300 200 SAC 20	Daily	As Reg.
	Radiator	Perma-Guard Anti-Freeze	Daily	Yearly
_	Battery	Distilled Water	Daily 💮	
7	Torque Converter (SEE NOTE)	AMOCO Dexron ATF	Daily	330 Prs.
	Torque Converter Filter Element			30 0 Hrs.
Ü	liydraulic Tank	Rykon Oil No. 21	Daily	Yearly
9	Shuttle Gear Linkage	Super Pormalube Grease	Weekly	
	Shuttle Gear Linkage	AMOCO 200 SAE 20	Weekly	
	Shift Lever !inkage	Super Permalube Grease	Weekly	
10	Shift Lever Linkage	AMOCO 200 SAE 20	Weekly	-
ווי	Emergency Brake	AMOCO 200 SAE 20	Weekly	-
12	Rear Steering Forward & Reverse Controls	Super Permalube Grease	Weekly	
13	Steering Cylinders & Boosters	Super Permalube Grease	Weekly	•••
14	Pump Drive Shaft	Super Permalube Grease	Weekly	
15	Fie Rod Ends	Super Permalube Grease	Weekly	
16	Fransmission & Firal Orive	Super Permalube Grease	Weekly	
	Below 32" F.	Amortone MB Corn EDE 80	Maneh I	V = -1 .
	Above 32° F.	American MP Gear SAE 80		Yearly
1.7		American MP Gear SAE 90		Yearly
	17	Repack vearly on every 1000 h Super Permalube Grease on Equ	-1 ማና With	
		Inspect & Adjust 500 Ars. or	ral. 6 N anbha	
1.6	Stearing Goar	American MA Gear SAE 90	Monthly	V = 3 = 1 =
	(IRE PRESSURES - RIGHT FROM	IT 470 v ! FFT FRONT 45# =	PEAD SOM	Yearly
	1202 10222002	the state of the state of the state of	KEMM JUM	

MOTE: USE AMERICAN CIL COMPANY LUBRICANTS SHOWN OR EQUAL.

CHANGE TORQUE CONVERTER OIL AFTER FIRST 20 HOURS OPERATION ON NEW MACHINES. AFTER THAT CHANGE EVERY 3DO HOURS OPERATION. CHANGE CONVERTER OIL FILTER AT SAME INTERVAL.

DRASH ENGINE BREAK IN DOL AT 20 HOURS. CHANGE DIE FILTER THEN REFELL WITH DIE

E 0 NO. 1026



LUBRICATION CHART GUIDE

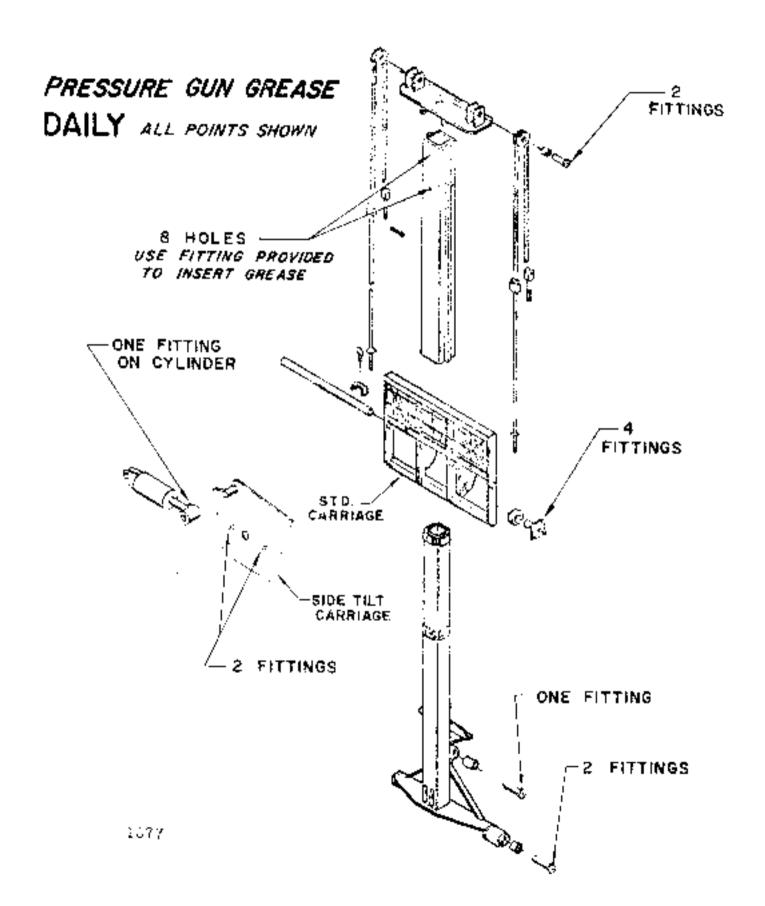
LUBRICATION CHART

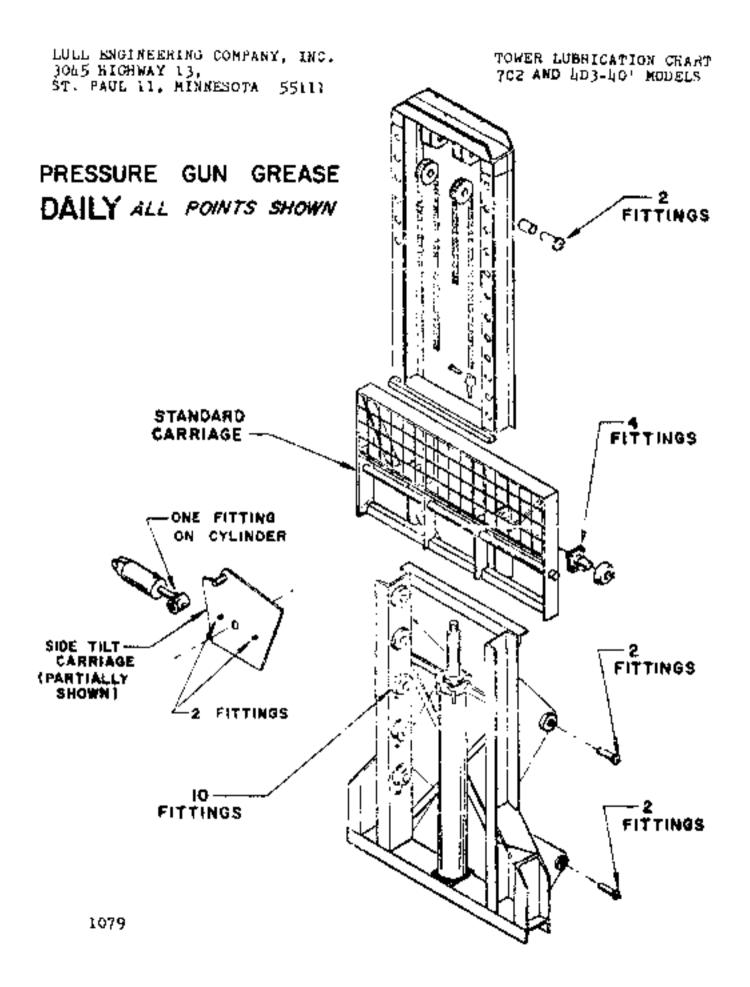
ITEM NO.	PART NAME		TYPE OF LUBRICATION
1	Battery	Weekly	Fill with distilled water
2	Engine Creak Case	90 Hrs	Above 32°F./SAE 20 or 30. Below 32°F./SAE lu
lı.	Parallel-O-Gram Joints	Daily	2
45676	Center Toggle	Daily	2
6	Hoist Cylinders	Dally	Ė.
7	Wilt Cylinder Sushing	Daily	1
Ġ	Hydraulic Oil Reservoir	Weekly	Non-Foam, Non-Detergent Hyd. Oil (Sincleir Rocket "S" or equal.)
9	Power Steering Booster	Weekly	3
10	Steering Toggles & Pivots	Duily	6
11	King Pins	Deily	4
12	Steering Tie Rod Ends	Weekly	3
13	Steering Axle Wheel Bearings .	Yearly	Clean & Repack with
	_		Lithium or Calcium Bass
			Grease.
14	Generator	Maekiy	SAE #20 011 (2 Cops)
15	Air Filter	Dayla	Closu and with with
			clean engine oil.
16	Engine 011 Filter # 104397-A		Crank Case Cil.
17	Steering Gear	Monthly	Fill with SAR 90
20	Sanka Shafte	Daily	11
19	Torque Converter (See Note)	Daily	l Type "A" Transmission
	Brake Shafts		Fiulia.
20 21	Transmission (Change Yearly)	Maakly	SAR AD OR 90 Presentents.
	•		011.
22	Lift Arm Pin - Front	Daily	2
23	Parallel-O-Gram Arm Pin	Daily	2
24	Pump Drive Shaft	Weekly	3 (Hano Gun Only)
25	Right Drive Tire (Outside)	Weekly	16 P.S.I.
	Right Drive Tire (Inside)	Weekly .	33 P.S.I.
	Left Drive Tire (Outside)	Weekly	16 F.3.I.
	Left Drive Tire (Inside)	Meegyly	35 F.J.I.
26	Transverse Frame Rollers	Daily	4
27	Transverse Frame	Daily	4

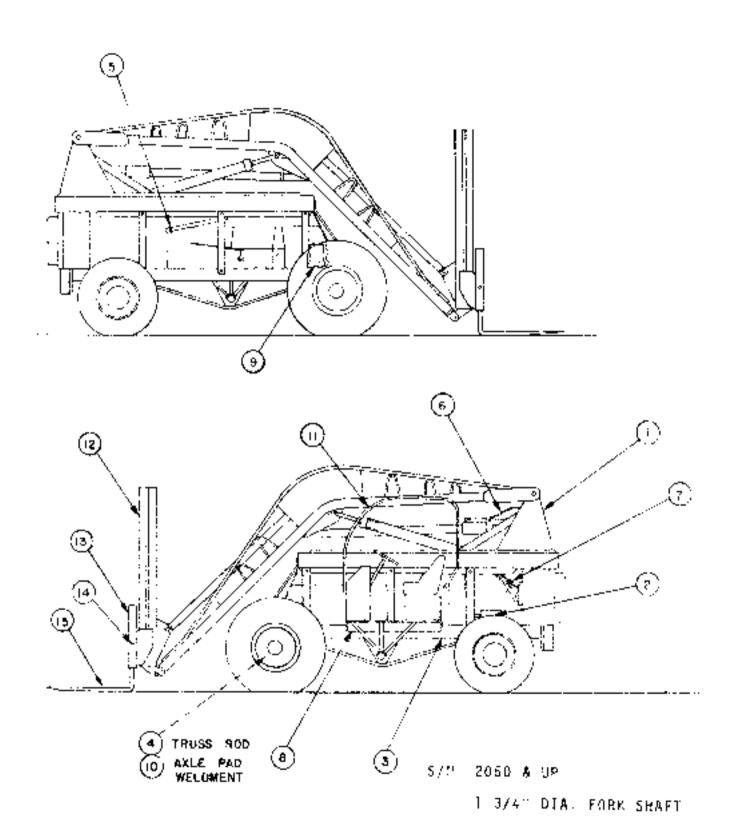
NOTE: CHANGE TORQUE CONVERTER OIL AFTER FIRST 20 HOURS OPERATION ON NEW MACHINES. AFTER THAT CHANGE EVERY 300 ROURS OPERATION.
CHANGE CONVERTER OIL FILTER AT SAME INTERVAL. FILTER # 105234-A.

DRAIN ENGINE BREAK IN OIL AT 20 HRS. CHANGE OIL FILTER THEN REFILL WITH OIL ACCORDING TO ITEM # 3 ABOVE.

-13-



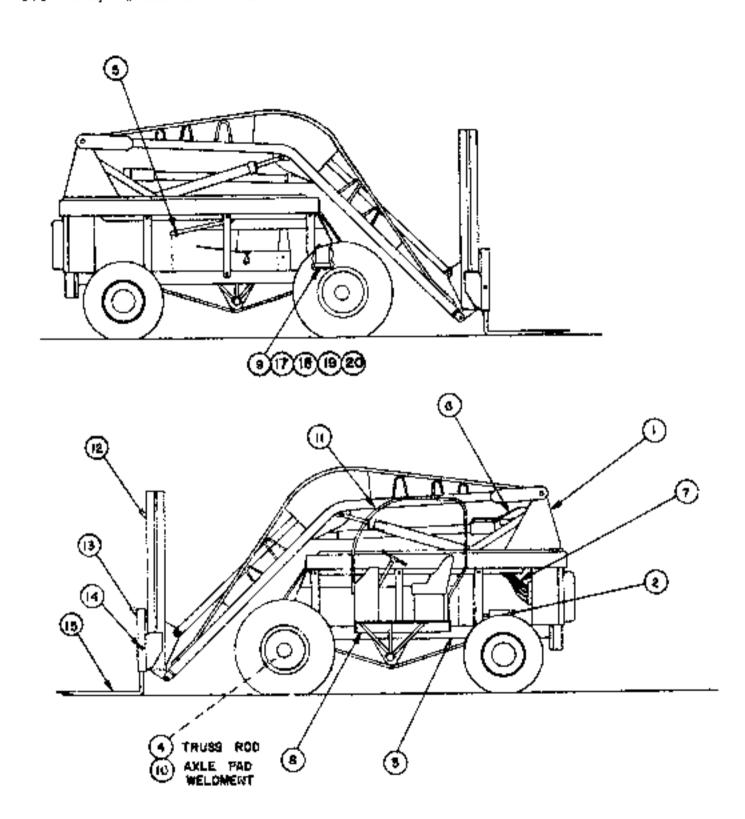




GENERAL ASSEMBLY

NO. 31,233-

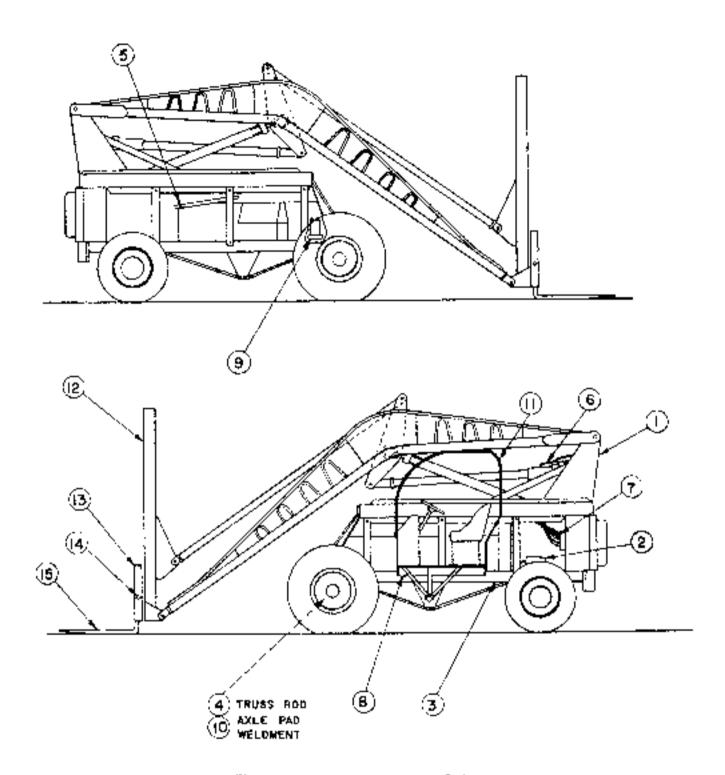
TEM.	PART NO.	ASSEMBLY	DESCRIPTION	ଖ୦. ଅଅପ୍.
1		11,229	Loader Assembly (Page 32)	1
2		11,205	Pump & Drive Ass'y (Page 1,2)	ı
3	11,000		Main Frame	1
Ц	11,300		Truss Hod	l
5	7528		Σχήπυ\$t Pipe Bracket	ı
6	11,313		Hydraulic System (Page 60)	ı
7	11,302		Hydraulic System (Pump to Valves) P-38	1
8		11,239	Operator's Platform Ass'y (Page 13)	1
9	11,043		Battery Support	l
10	11,227		Axle Pad Weldment	1
11	11,235		Overhead Guard	1
12		1265	Tower Assembly (Page 66)	1
13	6891		Carriege	1
14	11,369		Shaft	1
15	11,290		Forks	2
16	7840		Resclight Bracket (Optional)	ı



LULL ENGINEERING COMPANY, INC. 3045 HIGHWAY 13. ST. PAUL, MINNESOTA 55121 GENERAL ASSEMBLY 702-31' MIGH-LIFT NO. 13,483

ITEM NO.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.	
1		11,229	Loader Assembly (Page 32)	1	
2		11,205	Oump & Drive Ass'y (Page 42)	1	
3	11,000		Main Frame	1	
4 5	11,300		Truss Rod	1	
	752B		Exhaust Pipa Bracket	1	
6		11,313	Hydraulic System (Page 60)	1	
7		11,302	Hydraulic System (Pump to Valve) Page	38) 1	
8		13,481	Operator's Platform Ass'y (Page 18)		
8 9	11,043	r	Battery Support	1	
10	11,227		Axle Pad Weldment	1	
37	71,235		Overhead Guard	1	
7.2	•	1265	Tower Assembly (Page 66)	1	
13	6891		Carriage	1	
14	11,369		Shaft	ļ	
15	11,290		Forks	2	
16	7840		Readlight Bracket (Optional)	i	
*17	11,757		Battery Support Ass'y	1	
*13	P-13057		Rattery	i	
*19	P-13040		Cable	j	
*Su	P-12500		Cable	i	

^{*}DIESEL MODELS ORLY



GENERAL ASS'Y.

NO. 11,236

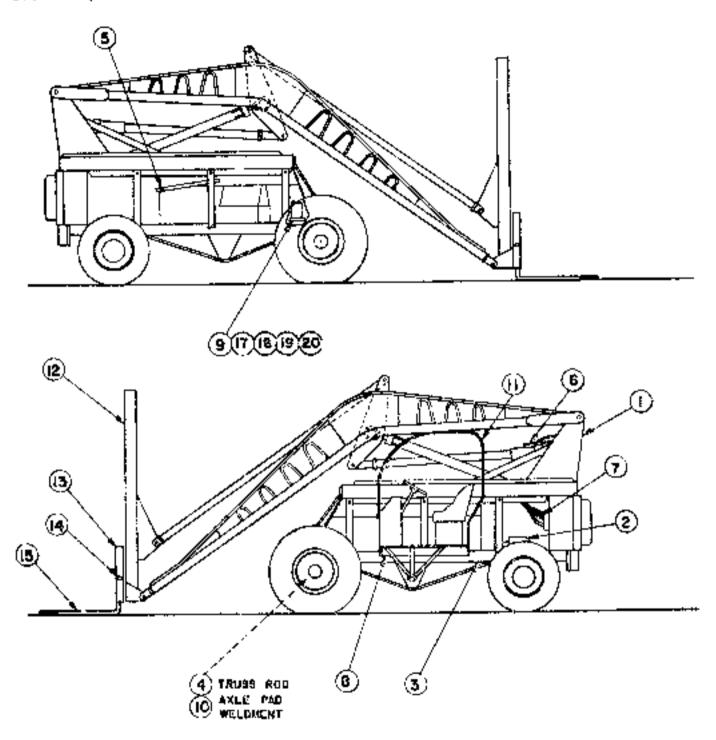
s/N 2050 AND UP

1140 -14-

GENERAL ASSEMBLY NO. 11,236

ITEM	PART	DESCRIPTION	RE'Q.
127456 7890123456 11121156	11,237 11,205 11,300 7528 11,300 11,300 11,227 11,235 11,296 11,378 11,290 7840	Loader Ass'y (Page 32) Pump & Drive Ass'y (Page 42) Main Frame Truss Rod Exhaust Pipe Bracket Hydraulic System (Junction Block to Lift Arm) Hydraulic System (Pump to Valves) Operator's Platform Ass'y (Page 18) Battery Support Axls Pad Weldment Overhead Guard Ass'y (Page 110) Tower Assembly (Fage 56) Carriage Shaft Forks Eeadlight Bracket (Optional)	

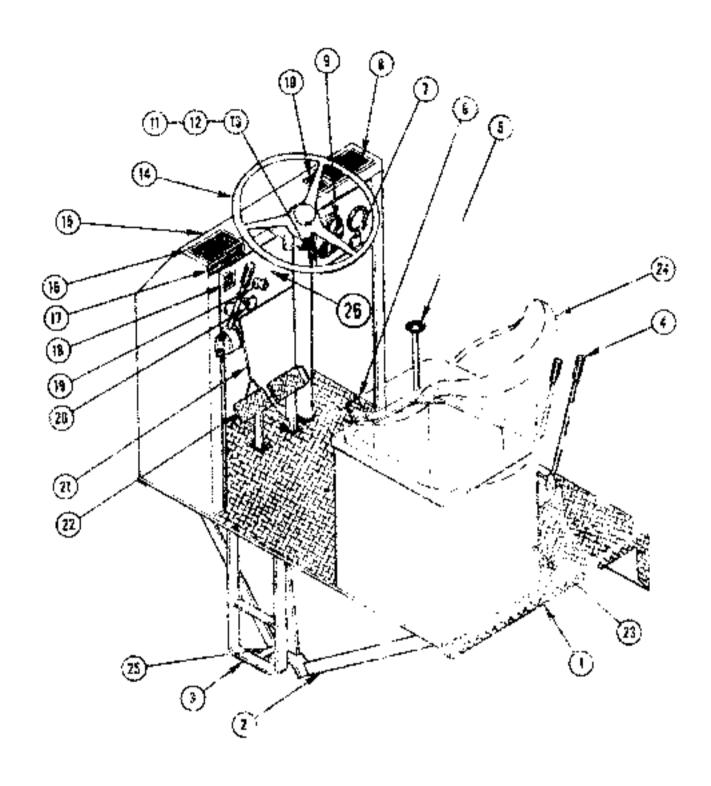
GENERAL ASSEMBLY NO. 13,484



702-401

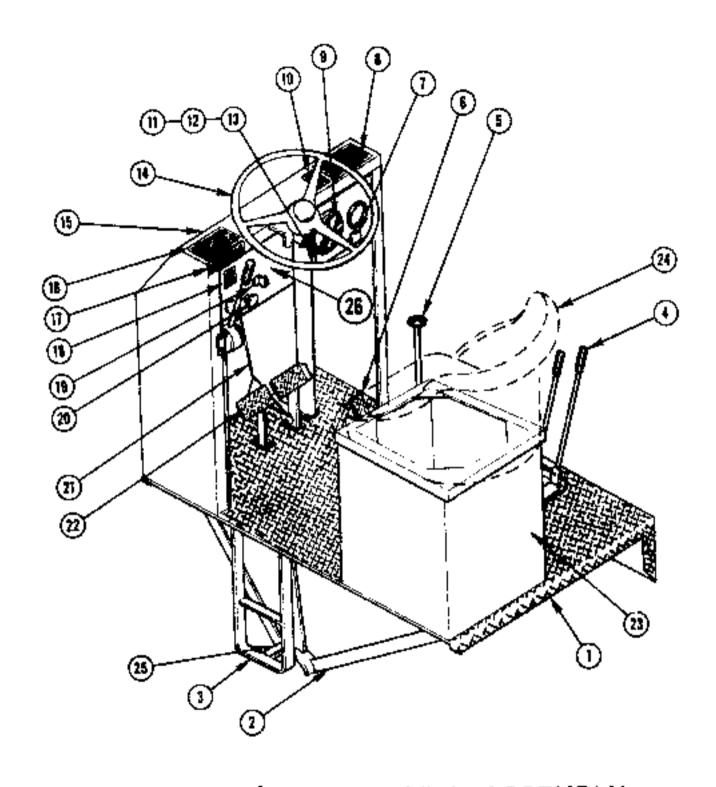
17 cM _NC.	PART NO.	ABSEMBLY NO.	DESCRIPTION	NO. REQ.
1 2 3 4	11,0/0 11,300 76/8	11,207 11,20 5	Loader Assembly (Page 32) Pump and Drive Ass'y (Page 42) Main Frame Truss Rod Exhaust Pipa Bracket	1
6 7 8 4	11,043	11,312 11,303 13,483	Hydraulic System (Page 60) Hydraulic System (Pump to Valve) P-38 Operators Platform Ass'y (Page 18) Rattery Support	1
10 (1 12 13	11,367	11,205 13,293	Axle Pad Keldment Overhead Guard Ass'y (Page 110) lower Assenbly (Page 66) Carriage	2
74 15 76 411	11.363 14.279 7840 11.057		Shaft Forks Headlight Bracket (Optional) Battery Support Ass'y	i 2 1
*18 *19 *20	P213057 P=13040 P=12500		Sautery Cable C>51e	l I

THRESH PROCES CALV



OPERATOR'S PLATFORM ASSEMBLY NO. 11,239

ITEM	PART	ASSENBLY		NO.
170.	<u> 20%</u>	mo.	DESCRIPTION	RDQ.
1	11,0d0		Operator's Platform	1
2	11,125		Platform Support	1
3	ð513		Step Waldment	1
4		11.202	Valve Control Assly (Page 50)	Ţ
5		11,250	Shifting Asa'y (Page 3d)	1.
1 23 455 78 10		11,260	Accelerator Ass'y (Page 50)	1.
7	P-10035		Choke Control	1
ğ	7371		Hand Lever Control Tag	i.
9	2-10036		Cluster Gause	Ť
	11,205		Shirting Tag	1.
	7633		Strap	Ţ
12	7652		Gover	Ţ
$\frac{13}{15}$	P-1007a	3.3 (3).0	Hour Rater (Ostional)	1
1.1	1.1 25.3	11,242	Stooring Ass'y (Page 22) Instrument Panel	1
15 16	$11,24i_0$		Serjal Number Vac	i
137	450 7521		Coution Tag	i
	7524		Torque Converter Tag	i
19	7-10037		Ignition Switch	i
2ó	2-10007		Erake Lock Cable	ī
21		7597	Brake Lock Ass'y (Page 64)	<u> </u>
22		11,253	Brake & Torque Conv. Ass'y [Page	26)î
22 23 25 25	6952	, -, -, -, -, -, -, -, -, -, -, -, -,	Total Max or Sega Stand	1
26	2-11618		Seat	ī
25	21,193		Support Strap	1
25	8638		Dashboard	1

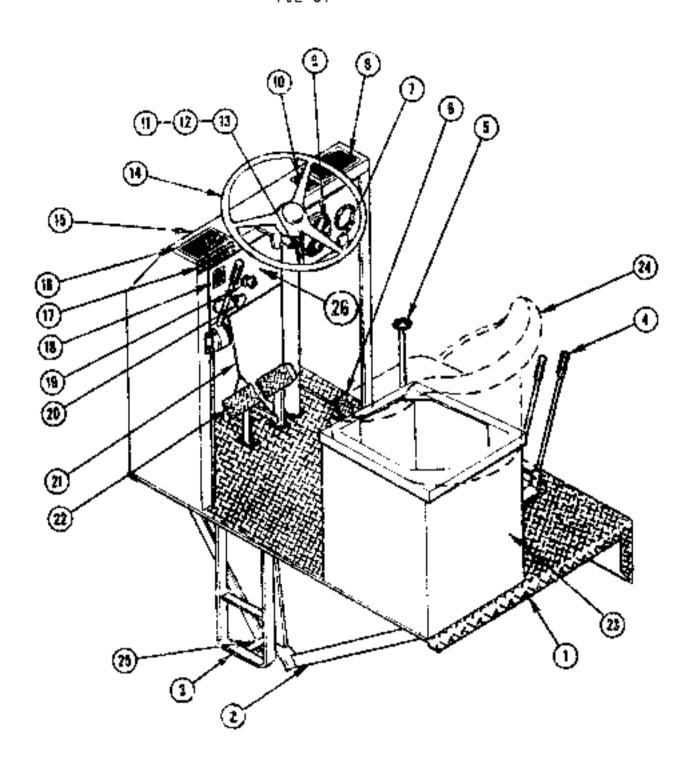


OPERATOR'S PLATFORM ASSEMBLY NO. 11,239

1260 -18-



REF.	PART NO.	DESCRIPTION	REQ.
	11.080 11.106 -8.10 11.230 *12.046 2-10033 -7071 P-30036 -10036 -10036 -10036 -10037 -10037 -10037 -10037 -10037 -10037 -10037 -10037 -10038 -1003	Operators Platform Platform Support Step Wildment Valve Control Assiy (Page 50) Shifting Assiy (Page 30) Choke Control Hand Jeven Control (aq Cluster Gauce Shifting Tog Strau Cover Hour Meter (Optional) Stepring Assiy (Page 22) Instrument Pagel Sorial Number Tag Coutron Tag Instrument Switch Brake Lock Assiy (Page 64) Brake Lock Assiy (Page 64) Brake Lock Assiy (Page 64) Brake Book Cobje Chake Lock Assiy (Page 64) Brake Book Swet Stand Soat Support Strap Dashboard	
		*Star! With S/N 23/9.	

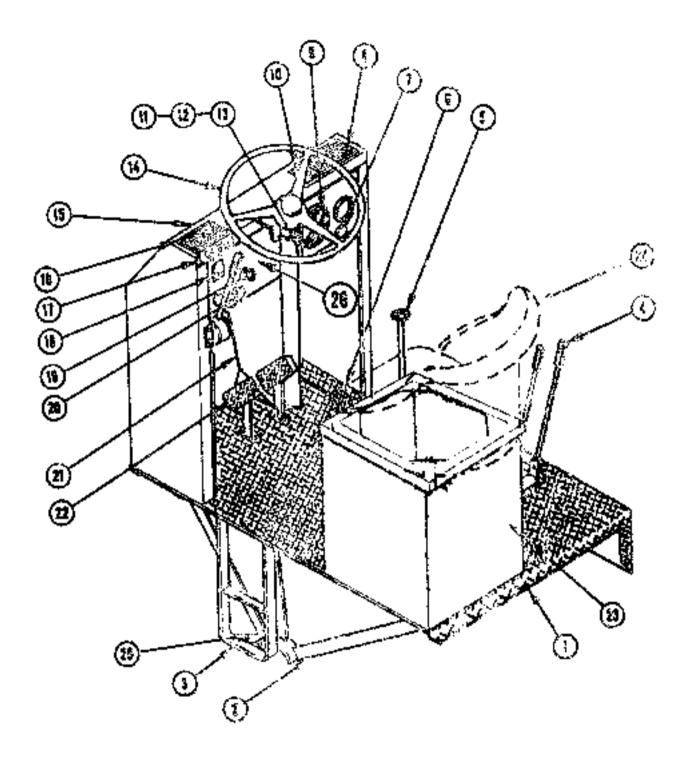


DPERATOR'S PLATFORM ASSEMBLY
NO. 11,239

1407 -18-

METE WO.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
1 2 3	11,880 11,126 8813		Spenators Platform Platform Support Step Weldnent	i 1
*4 5 *6 7 8		13,187 11,250 12,546	Valve Control Ass'y (Page 50) Shifting Ass'y (Page 34) Aucologator Ass'y (Page 30))) }
7 8 9	P-10035 7371 P-10036		Geoke Control Hund Lover Control Tag Cluster Gauge	ì ì
10 11 12 13	11.208 7683 7682 P-10074		so filmo Taĝ Domap Cover House Matau (Ostiona))]]]
*14 15 16	11,244 450	12,928	Hour Meter (Optional) Steering Ass'y (Page 22) Instrument Panel Scrial Sumber Tag	
17 18 19	7521 7524 P-10037		Caution Tag Torque Converter Tag Ignition Switch	i 1 1
20 21 22	P-10907	7597 11,253	Brake Lock Cable Brake Lock Assiy (Page 64) Brake & Torq. Conv. Assiy (Page 2	1 1 26)1
23 24 25 26	6952 9-11618 11,193 8638		Tool Box & Se at Stand Seat Support Strap Dashboard	1 1 1

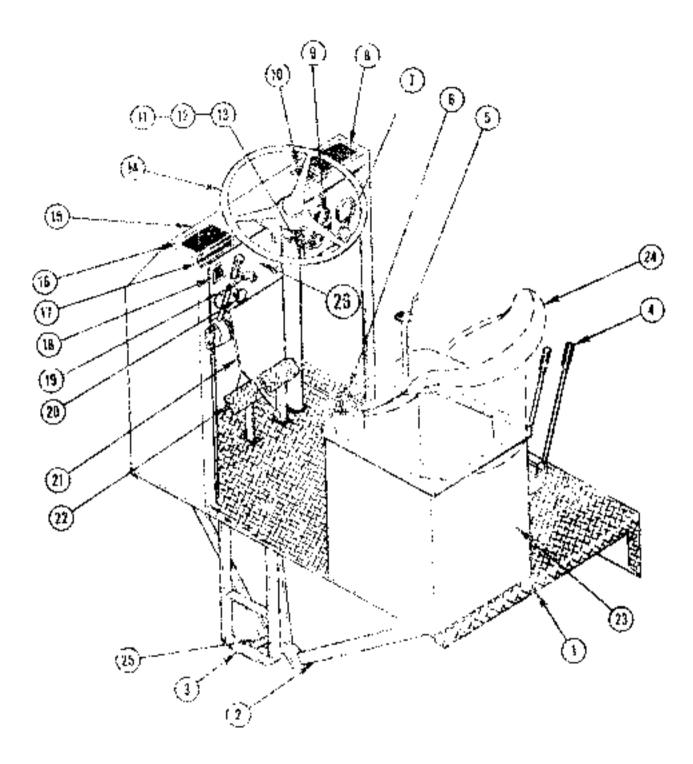
^{*4} Use No. 11,262 Refore Serial Number 2456 *6 Use No. 11,260 Thru Serial Number 2378. *14 Was No. 12,327 Up to Serial Number 2450.



702-311

LULL ENGINEERING COMPANY INC. OPERATOR'S PLATFORM ASS'Y NO. 13.481 ST. FARE, MINNESSTA DIRECT

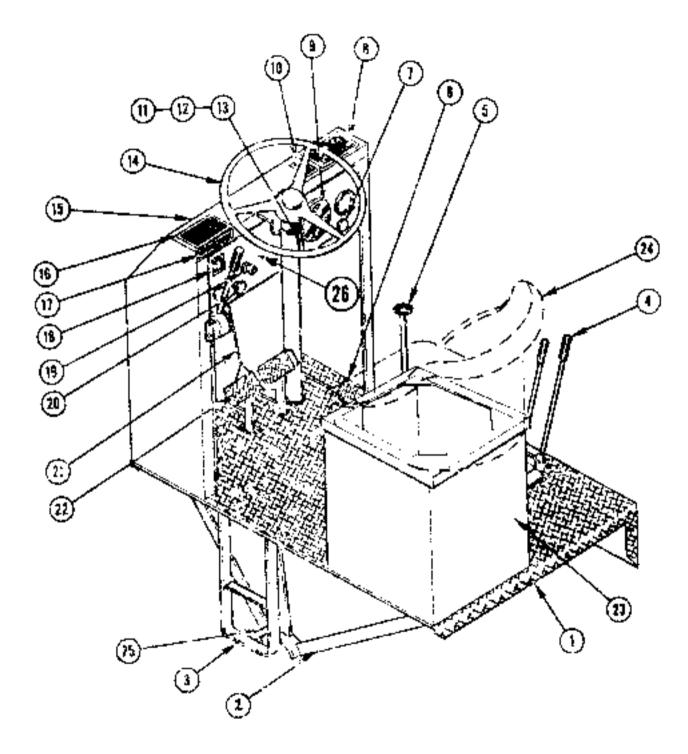
[Τ _λ . ": i _λ .	PART	A51 WBL Y	DESCRIPTION	NO. REQ.
1 ? 	11,0%8 11,126		Operators Platform Flatform Support	1
,	กราง		Step Weldment	+
À		13,479	Valve Control Assiy (Page 50)	i
:.		11,250	Shifting Essly (Page 34)	1
0 0 0 10		12,545	Accelerator Ass'y (Page 30)	1
Ÿ	P-10035		Choke Control	1
5.	7371		Hand Lever Control Tag	1
į.	P-10036		Cluster Gauge	Ţ
12	11,228		Shifting Tag	ļ
	7683		Strap	ļ
18	7682		Cover	Ļ
	P=32531	+10 .05	Pour Meter	l T
. *	11,244	*14 /06	Steering Ass'y (Page 22) Instrument Camel	'n
7.6	450		Serial Mamber Tag	í
3.7	7521		Caution Tag	i
16	7524		Torque Converter Tag	i
15	F-10007		ignition Switch	ነ
41.3	5-10007		Brake Lock Cable	ì
21		7597	Brake Lock Ass'y (Page 64)	. 1
29 21 22		11,253	Brake & Torq, Conv. Ass'y (Page 2	(6) T
23	6952	-	Took Box and Seat Stand	1
20	F-11618		Smat	1
25	11.153		Support Strap	1
76	8838		Dashboard	1



OFERSTOR: PRACTIVES ASSERBLE
Sol - Ilinings

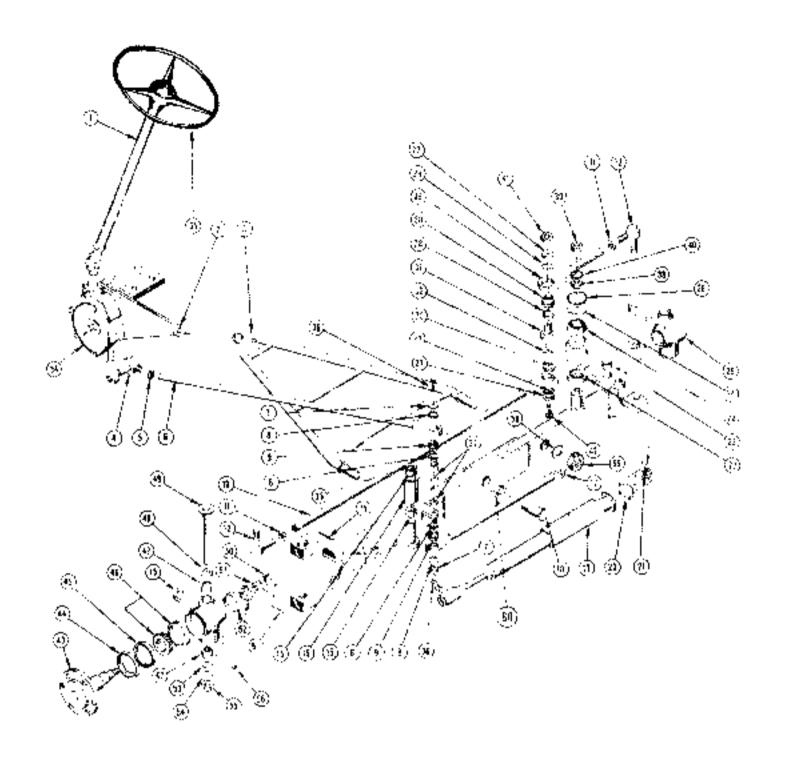
1146

ITEM . CM	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
1234567890	11,080 11,125 8613	11,263 11,251	Operators Platform Platform Support Step Weldment Valve Control Ass'y (Page 50) Shifting Ass'y (Page 34)	1 1 1 1
6 7 8 10 11 13 14 15 16 17 18 19	P-10035 7371 P-10036 11,205 7683 7682	11,260	Accelerator Ass'y (Page 30) Choke Control Hand Lever Control Tag Cluster Gauge Shifting Tag Strap Cover	1 1 1 1 1 1 1 1 1
	2-10074 11,244 450 7521 7524 E-10037	11.243	Bour Meter Steering Assly (Page 22) Instrument Panel Serial Number Tag Caution Tag Torque Convorter Tag Ignition Switch	1 1 1 1 1 1 1 1 1 1
20 21 22 23 24 25 26	P-10007 6952 P-11618 11,193 8638	7597 11,253	Brake Lock Cable Brake Lock Asa'y (Page 64) Brake & Torque Conv. Asa'y (Page 26) Tool Box & Seat Stand Seat Support Strap Dashboard	1



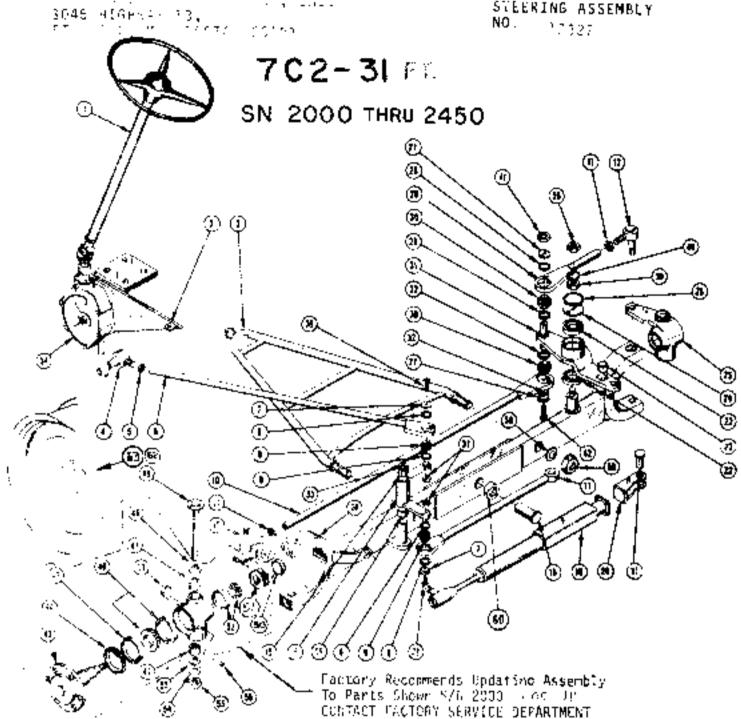
170% 150%	FART NO.	ASSEMBLY NO	DESCRIPTION	NO. REQ.
1	11.080		Operator's Platform	1
25456786	11,126		Platform Support	}
	813	10 100	Step Weldment	j
4		13.480	Malve Control Ass'y (Page 50)) ,
G G		11,251 12,546	Thirting Ass'y (Page 34)	;
7	F-10035	121340	Accelerator Assiy (Page 30) Choke Control	ļ
Ę.	7371		Rand Lever Control Tag	} }
ç	P-70036		Cluster Rauge	į
าต	11,208		Shift'ne Tag	3
١ï	7683		Stran	i
12	7682		Cover	i
. .	6-12631		Hour Meter	ì
74		*14,007	Stooring Assly (Page 22)	ī
3.5	11,244	,	Instrument Panel	1
7 5. 2 7	450		Sarial Kumber Taq	1
	7521		Caution Tae	ì
18	7524		Torque Converser Tag	j
15	P-19937		Ignition Switch	Ţ
10 11 13	P-18007	2507	Brake Lock Cable	ŀ
		7597	Brake lock Ass'y (Page 64)	!
2.	8952	11,253	Brake & Torq. Conv. Ass'y (Page 26)	9
4	P-11516		Tool Box & Seat Stand Seat	t F
	11,199		Support Strap	ì
78	2626		Cashboard	ì

This is the Pha. 405 Moderary Assembly through 57% 2536.



STEERING ASSEMBLY 11242

STEERI	MHEBA OK	BLY	NO. 11,242	702-314
TOES	FART	ASSEMBLY	·	NO.
-40-	<u> 110 ·</u>	30.	DESCRIPTION	REQ.
72345670		P-11653	Steoring Column Ass'y (Page 24)	Ţ
· ·	1171 11.136		Stouring dear Brackst	1
î.	P-10343		Wish Bons Tie Rod End	1
4	7502		Spacial Kut	,
6	11,150		Drag Link	ì
7	5802		Hetginar	ž
	P-11495		Pelt Washer	4
9	P=11496		Swivel Bushing	Ž
10	6275		Tie Rod	1
11	7615 - 2 : 021-5		Special Nut	2
12	2-10345 8230		Tie Rod End	2
13 10	11,135		Axla Spindle (LH) Axla	1
15	5209		Bushing	2
16	áaci		Bell Crank	1 2 4 2 1 2 2 1 2 1 2
17	8759		Rooster Actuating Rod	ī
15	11,157		Axle Pivot Pin	l
19		P- 1 1126	Boostor Assembly (Page 46)	1
20	7931		Recetar Stevia	ļ
21	7927		Clavis Fin	1
22 23	P-11306 7965		Bearing Bushing	2
2h	7930		Rescing detainer	i
25	8229		Axle Spingle (R.H.)	ī
24 25 26 27 23	P-10314		Bearing detainer Axle Spinole (R.H.) "O" Ring	ī
27	6300		Hetminer	
23	P-11428		felt Washer	1 2 1 2 1 2
29	8273		Tie Rod	1
30	P-11430		Swivel Bushing	2
31 32	11,165 2-11429		Dogglo Fult Washor	5
32 33	8301		Rotainer	i i
36	0,02	P-11652	Stooring Gear Box Ass'y (Page 25)	
33	P-10339	. -	Stooring Wheel	1 1 2 2 1
36	COATL		5/16 NC x 2" F.H. Seraw	2
37	COMIL		5/16 NC Cast Nit	2
30 30	COMPL		Kut. 3/4-16 M.F. Pull	Ţ
70	COMPL COMPL		Nut, 3/4-16 NF, Jam	1 1
i-1	CONTL		Washer, 3/L" Shakeproof Jul Cast 1/2-20 J.F.	i
72	COMPL		Bolt, 1/2-20 N.F. x 20"	ī
43	- IK-713-4	ថ	Spindle	2
44	- IK-735	k	Cirp	2
7.5	- IX-737	À	Seal	2
06	IKS-501.	<u>'</u>	Bearing	2
1; 7	105434-	A O	Begring	4
go Joa	188-503 105-431	7 _ (i	Bearing Pivot, Spindle Carrior	5
Šó	105-435	- n - 4	Cap	2
ŚĬ.	IK-731-	Å	Aut.	2
52	IKS-501	3	Rearing	2
53	105437	A	Seal	2
<u>5</u> 4	IK-727		Washer, Thrust	2
55	- 1054 36=.	Ä	Nut	<u> </u>
20 37	943-420 932-047		Plug Cotter Pin	2
58	920097		Lockwasher 1 1/4"	à
3333769012345678904234567890 33333544445678904234567890	915-011		Nut, 1 1/4-12 Hox	1 1 2 2 2 4 2 2 2 2 2 2 1 2 2 2 2 1 2 2 2 2
60	3746		Collar	1 1124A
	•			•



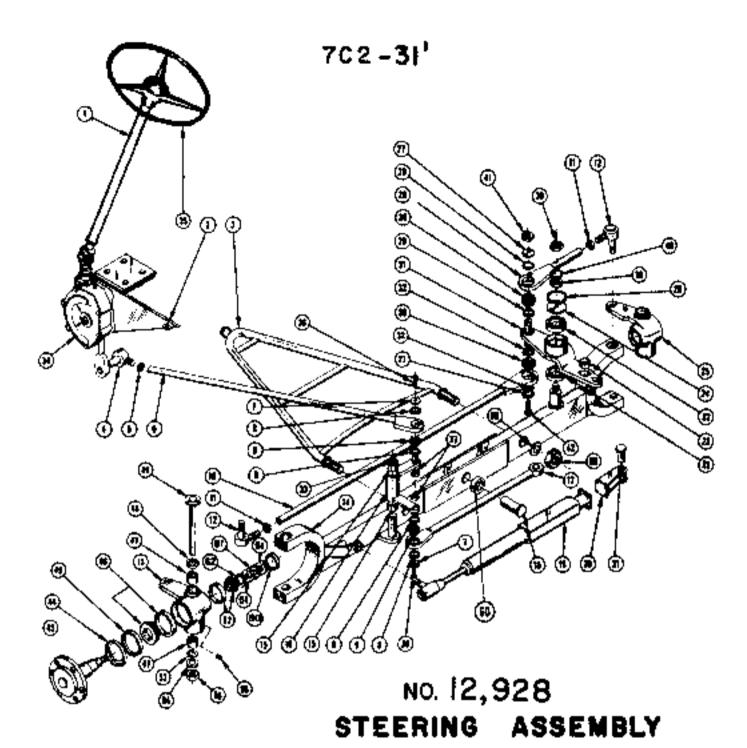
<u>িল্লেফ</u>	1. <u>2004.</u> 40.7.	TASSENE V	NO. DESCRIPTION	NO. RE
1		1:	Steering Column Ass'y (Face 24)	Ì
2	. ,		Steering Gear Bracket	*
3	11,536		Nishhone	ì
4	F-10343		Tie Rod End	3
5	7602		Special Not	1
ē	(1,154		Orag Link	1
7	ำสื่อดีวี		Retainer	2
3	P-11495		felt Washer	4
9	9-11496		Swivel Bushing	2
1.5	8275		Tie Rod	1
11	7615		Special Mut	2
1 2	9-10345		Tie Rod End	2
			- 37	

STEERING ASSEMBLY 50: 12327

		21 01 01 01 0	225upri - 00: 15354	
3 F (* ''	PART	ASSENSITY -		378
. ::3.	1,0%	369 (1.1)	COSCRIPTION	in o.

1.7	P-16012		Axie Spiedle, Left Hand	1
1.6	11,135		Axle	
15	1209		Seshing	4
				2
15	8891		Sell Crank	1 2 1 1
17	0759		Penster Actuating Rod	J
3.5	11,157		Axie Pivot Pin	1
7.9		P-11#26	Dooster Assembly (Page 45)	1
20	7931		Booster Clevis	i
2.1	7927		Clevis Pin	í
22	P-11305		Bearing	Ļ
23	7955			1 1 2 1
7.			Busking	ĺ
23	7930		Bearing Retainer	•
25 26	P-16013		Axle Spindle, Right Hand	3
25	P-10314		G-Ring	ì
2.7	8300		Retainer	2
28	P.11428		Felt Washer	2
	8273		Tie 3nd	ī
	P-11430		Swivel Bushing	,
	11,165			(
32			Toggle	Ĭ
	P-11429		Felt Washer	1 2 2 1 2 1 2
33	8301		Relaimer	
3/4	# 2-1165∠		Sterring Gear (Page 25)	1
35				
36	CONIL		Spraw, 5/16-18 K.C. x 2"	2
37	COM*L		Nut, Cast. 5/16 4.C.	2 2 1
38	C0911.		Nut, 3/4-16 M.F. Full	ì
39	00%1 F		Nut, 3/4-16 N.F. Jam	i
40	CONTI		Washer, Shakeproof 3/4"	í
έĭ	COMPL		No. 4 - 4 - 4 - 1 / 2 / 2 / 4 5 5 5 5 5 5 5 5 5	- ;
12			Nut, Cast. 1/2-20 N.F.	!
77	COM11		Boit, 1/2-20 N.F. x 4"	ı.
43	P-17456		Spindle	2
6.4	P-14000		Sea 1	2
7.5	P-13999		21.5040	2
4.6	P-14561		Bearing	2
2.7	P-13984		Bearing	4
43	P-13985		Bearing	2
4.9	0-14742		Pivot Spindle Carrier	2
90	P-15963		Сар	2
51	P-13983		Kut	5
52				2
37	9-14007		Bearing	Z
53	P-13990		Seal	?
	P-13991		Masher, throst	2
55	P-43092		Nu t	2
63 84 55 66	Ph03093		Pleg	1
57	P#33996		Cott: r Pin	22224222222222222
33	8-16050		Lackwasher	2
5.9	9-76662		Nut, Max	5
86	8746			í
67	P-13494		Csl'ar	
		1	1786	2
63	12,339 ~~ (#	-1001()	Wheel Weldment	5

*MCTE: Jim s04 fight62 Steaming Goard is no longer available as a complete new associal. If noted steinew associbled open box is necessary order Bracket a 10901, 0-10702 Do orn Wasembly and Pw13700 Gear Rox. Pitman Arm not the odds in 012 one orn to ressect.



S/W 2451 AND UP

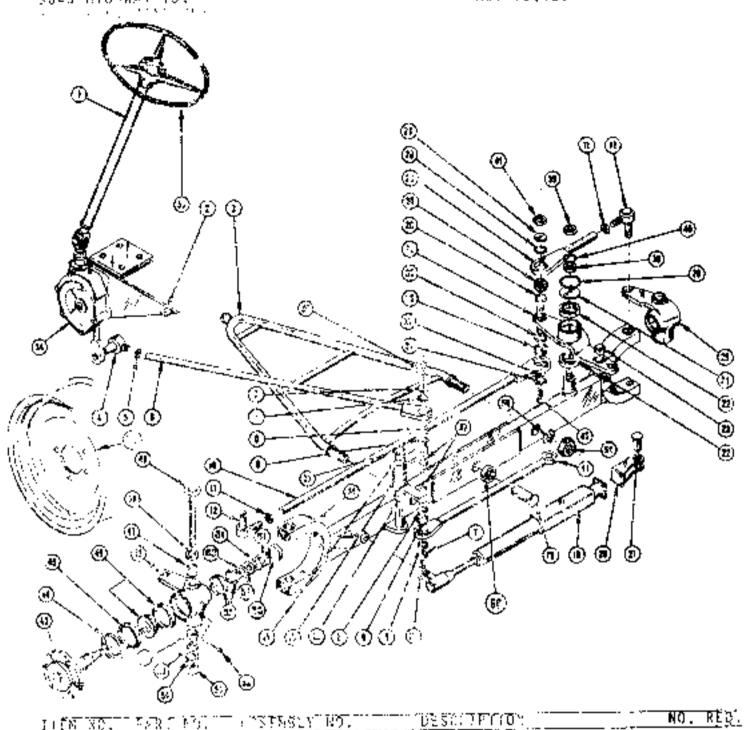
ITEM NO.	PART NO.	ASSEMBLY NO. DES	CRIPTION	NO.	REQ.
ì	12 001		Column Ass'y (Page	24)	1
4	12,891 11,136		Gear Bracket		ļ
4	P-10343	Wishbone Tie Rod			1
5	7602	Special			i
6	11,154	Drag Lin	k.		i
7	8802	Retainer			2
8	P-11495	Felt Was	her		4
- 4					

ND. 12,928

S/K 2451 AND UP

			S/K 8451 AND UP	
ITEM NO.	PART NO.	ASSEMBLY NO.	DESCRIPTION N	D. REG.
9	P-11496		Swivel Bushing	2
10	8275		Tie Rod	1
11	7615		Special Nut	2.
7.2	P-10345		Tie Rod End	2
13	303025403		Axle Spindle (L.H.)	2 2 1
14	11,:35		Axle	3
15	5209		Bushing	2
16	1088		Bell Crank	ì
17	8759		Booster Actuating Roc	1
iė	11,157		Axle Pavot Pin	1
19		P-11125	Booster Assembly (Page 46)	1
20	7931		Booster Clevis	1
21	7927		Blevis Pir	1
22	P-11306		Rearing	2
23	7965		Busking	1
24	7930		Bearing Retainer	1
25	303025411		Axle Spindle (R.H.)	1
76	P-10314		0-Ring	3
27	8300		Retainer	2
28	P-11428		Felt Washer	2
29	8273		Tie Rod	1
30	P-11430		Swivel Bushing	1 2 2 1 2 1 2
31	11,165		Taggl e	1
32	P-11429		Felt Washer	2
33	8301		Retainer	
34	P-13701		Steering Gear	1
Ü5	P-70339		Steering Wheel	1
36	COM'L		Screw, 5/16 NC x 2" F.M.	2 2 1
37	COM: L		Nut, Cast S/16 N.C.	2
38	COM: L		Nut, 3/4-16 NF Full	1
39	COMPL		Nut. 3/4-16 NF Jam	1
4 (:	COMIL		Washer, Shakeprrof 3/4"	ì
41	J'MO3		Not. Cast 1/2-20 NF	1
42	COMIL		Bolt, 1/2-20 NF × 20"	1
43	303025438		Spindle	2
44	165756-A		Çup	2
4	765-767		Scal	2
4ú	365-804-A		Bearing	2 2 2 2
47	105434~A		Cearlog	
48	1K5-5C39		Bearing	2 2 2
49	105-431-A		Pivot, Spindle Carrier	2
50	165-762-A		Cap	2
51	30-3026884		Nut	4
52	165-805		Bearing -	2
53	105437-A		lea2	2
54	1X-727- A		Washer, Ehrust	2 2 2 2
55	105436-A		Nut	
56	943-420		Plug	1
97				
5.9	928-097		Lockwasher	2
59	915-011		Nut, Hex	2 2 1
6-0	8746		Collar	7
61	303026892		Lockwasher Steering Knuckle	2
€2	303026906		Washer Steering Knückle	2

512141-6 ASSESSOR NO. 13,486

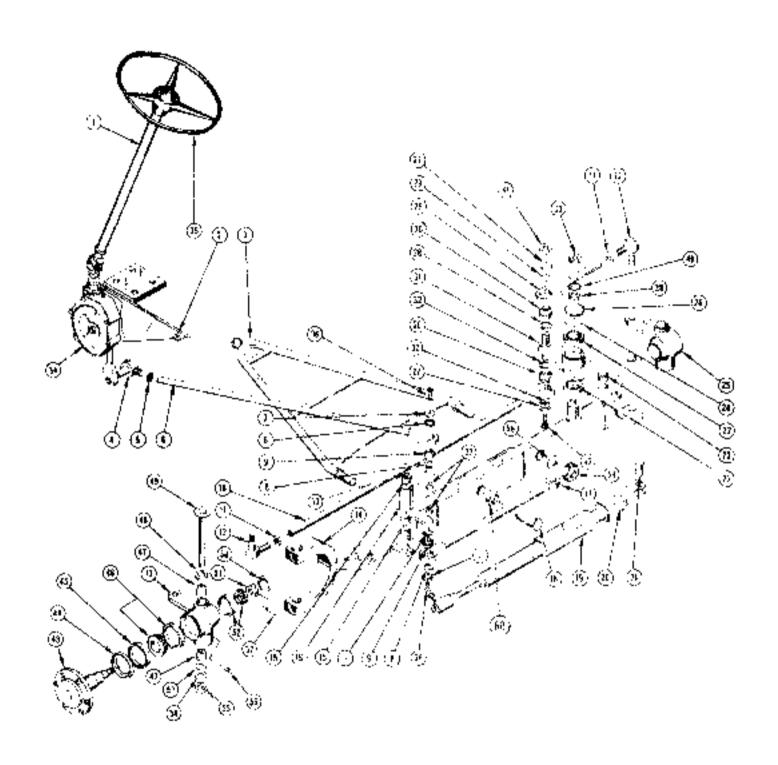


$J + \overline{\xi} \overline{N} \cdot \overline{N} \overline{\lambda} \lambda$	<u>577 5/3 (1990)</u>	T (TSENSIVE	NOT, THE TUESTO PROOF	NO. REG
1. 2.3.4.5.6.7.6.9.0.1.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2	77 797 71,306 6-10343 74,92 31,356 9-11496 9-11496 3175 7015 P-10345	°-13702	Steering Column Assig (Page 24) Steering Caar Stacket Wishbone Tie Rod And Special But Retairen Fe't Washer Swivel lashing Tie Food Special But Lie Contané	1 1 1 1 2 4 2 1 2
			4.4	

-22-

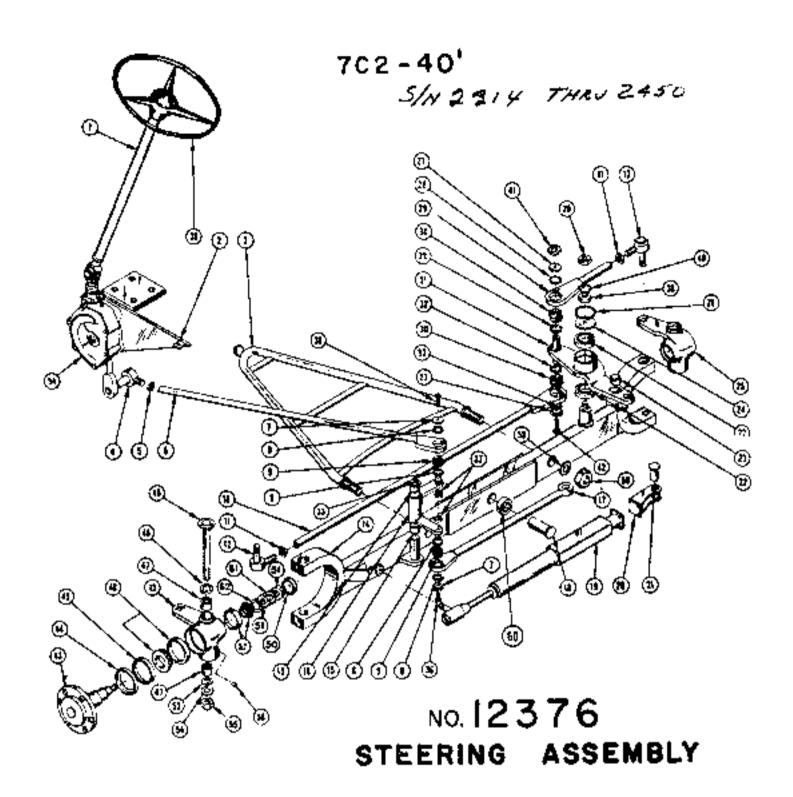
LULE ENGINEERING COMPANY, INC. 3045 HIGHWAY 13, ST. PAUL, HINNESDTA 55121

IŤEM NO.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
			Axia Spindle, Left Pand Axie Bushing Bell Crank Booster Actuating Rod Axie Pivot Pin Booster Fisembly (Page 46) Booster Clevis Clevis Pin Bearing Bushing Bearing Retainer Axie Spindle, Right Hand C-Ring Retainer Felt Washer Tic Rod Swivel Bushing Loggle Felt Washer Retainer Steering Gear Lteering Wheel Screw, 5/16-18 M.C. x 2" Nut, Cast 5/16 N.F. Full Nut, 3/4-16 N.F. Full Nut, 3/4-16 N.F. Full Nut, 3/4-16 N.F. Jam Washer, Shakeproof 3/4" Nut, Cast 1/2-20 N.F. x 20" Spindle Cup Seal Boaring Bearing Bearing Carring Bearing Bearing Carring Seal Scaring Carring Carring Cap Nut Spindle Carrier Cap Nut Spindle Carrier Cap Nut Besting Seal Carring Seal Carring Seal Carring Ca	
62 63	P-14612 12,339		Washer, Steering Knackle Wheel Weldment	2 2



STEERING ASSEMBLY 11243

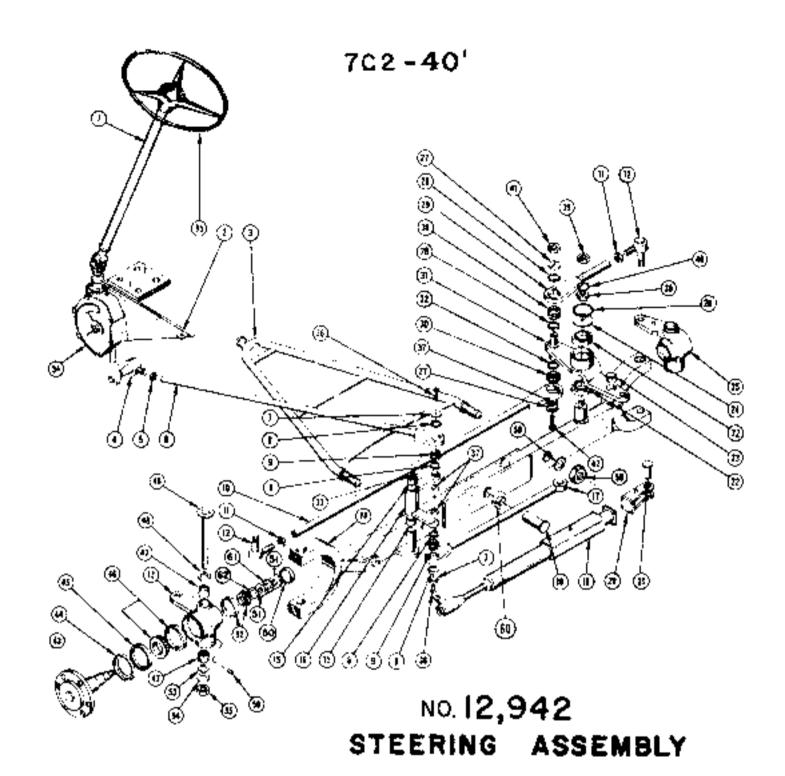
1TEM NO. 1 2 3 4 5 6 7 8 9	PART NO.	ASSEMBLY NO.	DESCRIPTION (Page 24)	NO. REQ.
1	1171	P-11.053	Section Associaty (Page 24)	1
3	11.090		Steering Bracket Wishbone	L 1
Ĭ	P-10343		Tie Rod End	i
3	7602		Special Nut	ī
5	11,188		Drag Linz	1
7	5902		Retainer	1 2 1 2 1 2 1
0	P-11495 P-11496		Felt Wesher Swivel Bushins	4
16	8275		Tie Rod	1
11	7515		Special Nut	ž
12	P-10345		Tie Hod End	2
13 14 15 16 17 18	9230		Axie Spindle (L.H.)	
11;	11,135		Axle	1 2
15	5209 8801		Sushing Bell Crenk	2
17	8759		Booster Actuating Rod	1
īġ	11,157		Axle Pivot Pin	i
19		P-11126	Sooster Assty (Page 46)	ī
20	7931		Booster Clevis	1
21	7927		Clevis Pin	1
32	P-11306		Bearing	2
23 26	7965 7930		Bushing Boaring Retainer	1 2 1 1
25	8229		Axla Spindle (H.H.)	i
26	P-10314		0-Ring	ī
27	8300		Retainer	Ž
28	P-11428		Felt Washer	2
29	82 7 3		Tie Rod	1 2 2 1 2 1 2
30	P-11430		Swivel Bushing	2
3 1 32	11,165 P-11429		Toggle Felt Washer	T
33	8301		Retainer	í
<u>3</u> 4		P-11652	Stooring Geer Box Ass'y (Page 22)	ĩ
35	P-10339	•	Steering Wheel	1
35 36 37 38 39	Com¹l		Steering Wheel Screw, 5/16 NC x 2" F.H.	2
37	Com'l		Nut, Cast 5/16 NC	2
30	Com'l Com'l		Nut, Full 3/4-16 NF Nut, Jam 3/4-16 NF	L Y
100 100	Comil		Washer, Shakeproof 3/4	ń
111	Com'l		Nut, Cast. 1/2-20 MF	ì
42	Com ¹ 1		Bolt, 1/2-20 UE x 20"	ī
43	IK-713-G		Spindle	2
44,	1X-738-A		Cup	2
#2	IK-737-A		Seal	2
40 1.7	IXS-5012 105434-A		Bearing Bearing	r.
118	TKS-5039		Bearing	2
49	105-431-2	A	Pivot Spindle Carrier	2
50	105 - 438	A	Cap	2
51	IK-731-A		Mut	2
52	1KS-5013		Bearing	5
53 53	105L37-A IK-727-A		Seal Washer Thrust	5
55	105-436-4	A	Nut	1222242222222222222
56	943-420	•	Plug	ī
5 7	932-047		Cotter Pin	2
58	920-097		Lockwashar	2
912345678901234567890	915-011		Nut	2
bΩ	5746		Collar	T



ITEM NO.	PARΣ ÑÓ.	ASSEMBLY N	O. DESCRIPTION			ND.	REQ.
1		P-11653	Steering Column Ass'y	(Page	24)		1
2	1171		Steering Gear Bracket	•			1
3	11.090		Wishoone				1
4	P-10343		Tie Rod End				•
5	7602		Special Nut				1
6	11,188		Drag Link				1
7	6802		Retainer				2
В	P-11495		Felt Washer				4

	STOAP	in a Astenac	Y 00 123 76	
ITEM	P A (1)	ANSEMBLY		25 C
<u> 200 - </u>	<u> hG .</u>		BUZCSIBLION	2L0.
1.3	P=16012		Ayle Spindle, Eoft Hand	1
14	11,135		Axle	
15	5209		Ռևջինոց	2
; F	6901		Bell Crank	: 2 1 1
2.7	B759		Booster Actuating Rod	1
19	11,157	D 11105	Axle Pivot Pin	1
10		P-11126	Booster Assembly (Page 46) Booster Clevis	1
20	792) 792)		Clevis Pin	i
21 22	P-11306		Bearing	ź
23	7965		Sushing	ī
24	7930		Bearing Retainer	1
25 26	P-15013		Axle Spindle, Right Hand	3
26	P-70314		0-Ring	1
27	8200		Retainer	2
28	P-31428		Felt Washer	×
29	8: "3 5: 2428		Tie Pad	4
30 30	P-11430 11,165		Swivel Sushing	í
32	- 11429		Toggle Felt Washer	ż
33	3:01		Retainer	1 2 1 2 2 2 2 2 1 2 1
34	* 0-17652		Steering Gear (See page 25)	i
35				
36	CCM'L		Screw, 5/16-18 N.C. x 2"	2 2 1 1 i
37	COMIL		Nut, Cast. 5/16 N.C.	2
38	CONTI		Nui, 3/4-16 8.7, full	1
39	COMPL		Net, 3/4-10 117. Jam	, ;
40 41	COMPL COMPL		Washer, Shakeproof 3/4" Nut. Cast. 1/2-20 N.F.	'n
42	COMIL		1010, 1/2-20 N.F. x 4"	
43	P-17456		Spindle	ź
44	F-14000		Soal	; 2 2
45	P-13999		SLEEVE	
46	r-1:001		Rearing	Ç
47	P-13984		Bearing	4
48	P-13985		Bearing	2
49	P-14742		Piyot Spindle Carrier	2
50 51	P-15963 P-13988		Can Nut	5
52	P+14037		Bearing	2
53	P-13990		Seal	2
54	P-13991		Washer, Thrust	2
5.5	P-13992		Nut	2
5.5	P-13993		Plug	1
5.7	P-13994		Cotter Pin	7.
58	F-143 5 0		Lockwasher	2
5 S	P-14662		Ngt. Hex	1
50 52	8745 P-13494		Collar	2
63	12,339 — (2-1641")	FIFE Wheel Weldment	342222222212221
0.2	12,535 1	7-1001.)	proce to account a	•

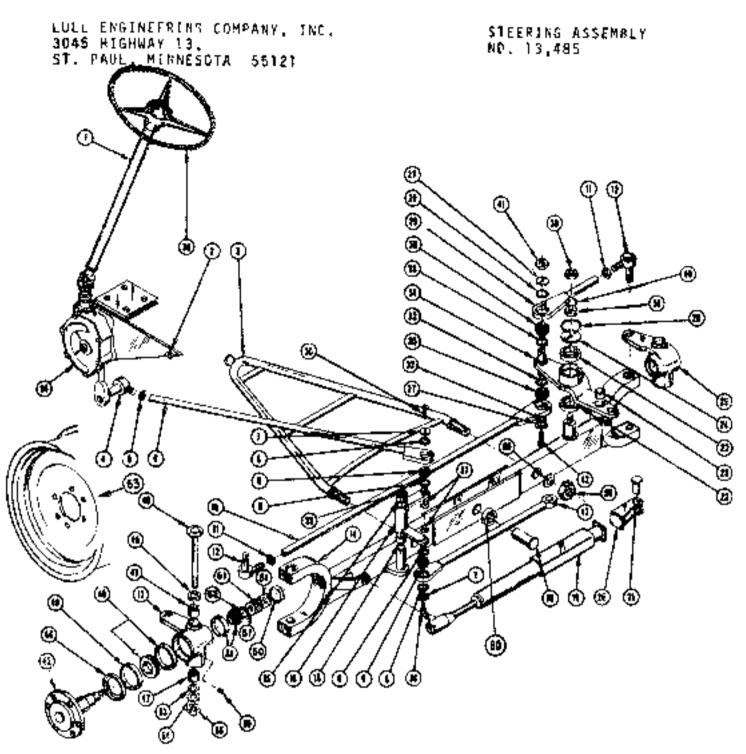
*NOTE: Item #34 P-11652 Stearing Gear is no longer available as a complete new assembly. If complete new assembled gear box is necessary order Bracket # 12981, P-13702 Column Assembly and P-13701 Gear Box. Pitman Arm not Included - Cid one can be reused.



S/N 2481 AND UP

FTEX NUL	PART NO.	ASSEMBLY N	O, USSCRIPTION I	0, <u>200.</u>
2 3 4 6 7 8	12.891 11,090 9-10343 7602 13,788 8802 9-11495	P-13702	Seconing Column Assiy (Page 24) Steering Gear Bracket Wishbone Tie Rad End Special Nut Urag Cank Retainer Felt Washer	1 1 2 4
2420				

ITEM KO.	PART TO. ASSEMBLY NO.	07.865 (6.4.1 (6.N)	7797 et al
9	P-19496	Swivel Bushing	2
10	8775	Fin Rod	ï
11	7615	Special Aut	Ź
12	P-10345	Tie Roc Erd	2 2
13	303025103 5.9.	Akla Spinale (LD)	ì
14	10,135	Axle	1
15	5200	Sushing	2
16 17	8801	Sell Crank	1
18	8759 11,157	Souster Actuating Rod Axle Pivot Pio	!
19	P-11)26		
20	7931	Cooster Assembly (Page 46) Cooster Clevis	i
21	7927	Clevis Pin	1
22	P-113G6	Bearing	ź
23	7965	Sussing	i
24	7930	Rearing Retainer	í
25	303025417 R.H.	Axie Spind'e (R.il.)	i
26	P-10314	0-Ring	i
27	8300	Retainer	2
28	P-11428	Folt Washer	2
29	8273	Tie Roc	? 2 1
30	P-11430	Swivel Busning	7
31	11,165	Taygle	ĺ
32	P-11429	Folt Washer	?
33	83(1)	Retainer	l
34	<u>[-1370]</u>	Şteering Gear	1
35	P-30339	Steering Wheel	Ì
36	COMPL	Screw, 5/16 MC x 2" F.H.	7. 2
57	COM, F	Rut, Cust 5/16 N.C.	?
38 39	00%,f 00%,f	Nut, 3/4-16 NF Full	ļ
43	COW, T	Nut, 3/4-16 MS, dam	l 2
43	COW, F	Washer, Shakepron# 3/4"	i
Ř2	COM E	Not, Cast 1/2-20 NE Bolt, 1/2-20 NF x 20"	!
43	303015438	Spingle	1
44	165756-A	Cap	2
4.5	165-757	Seal	, 9
4.5	165-804-A	Bearing	6
47	105434×A	Bearing	Ž
48	I (S-5039	Gearing	ż
49	105-431-A	Pivot, Spindle Carrier	2
50	165-762-A	Cap	2
51	30-3026884	Wuit	4
52	165-805	Bearing	2
53	105437-A	Sea:	2
54	1 K - 727 - A	Washer, Tarust	2 2 4 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2
55	195426-A	Nat	
56 57	943-420	րլոց	1
57 58	920-097	A 6 L	
56 59	915-011	Lockwasher i 1/4	ž
60	8/46	Nut, Hex 1 1/4-12	? 2 I
51	303026892	Collar Lockyschan Stanting Kn. oklo (ostad)	
62	303026906	kockwasher Steering Knuckle Spind Washer Steering Knuckle Spindle	}e ? 2
	***************************************	adance askering knockie apinore	<u> -</u>

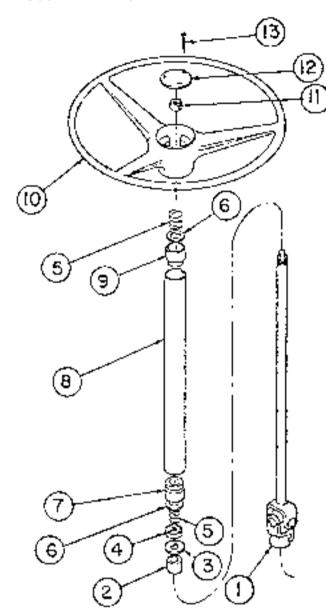


TYEN NO.	PART NO.	ASSEMBLY	NO. DESCRIPTION		NO. REO.
1		P-13702	Steering Column Ass'y	(Page 24)	1
2	12,891		Steering Gear Bracket		1
3	11,090		Wishbone		1
4	P-10343		Tie Rod End		1
5.	7602		Special Nut		1
6	11,188		Orag Link		1
7	8802		Retainer		2
₿.	P-11495		Felt Washer		4
9	P-11496		Swivel Bushing		2
10	8275		Tie Rod		1
11	7615		Special Nut		2
12	P-10345		Tie Rod End		2
1555			-22-		

LULL ENGINFERING COMPANY, INC. 3045 HIGHWAY 13, ST. PAUL, MINNESOTA 5512)

ITEM	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. <u>R</u> EQ.
NO. 1345678901234567890123456789012344444444446555555555555555555555555555	NO. P-16012 17,135 8759 8759 17,135 8759 11,135 7926 8759 11,1365 7927 P-13065 P-13065 P-1307 P-1307 P-1307 P-1308 P-1309 P-130	NO.	Axle Spindle, Left Hand Axle Bushing Bell Crank Booster Actuating Rod Axle Pivot Pin Booster Assembly (Page 46) Booster Clevis Clevis Fin Bearing Bushing Bearing Retainer Axle Spindle, Right Pand O-Ring Retainer Felt Washer Tie Rod Swivel Bushing Toggle Felt Washer Retainer Steering Gear Steering Wheel Screw, 5/16-18 N.C. x 2" Nut, Cast 5/16 N.C. Nut, 3/4-16 N.F. Full Nut, 3/4-16 N.F. Jam Washer, Shakeproof 3/4" Nut, Cast 1/2-20 N.F. Boll, 1/2-20 N.F. x 20" Spindle Cup Seal Rearing Rearing Rearing Rearing Rearing Seal Washer, Thrust Nut Plug Lockwasher Nut, Hex Collar	REO. 112111121111122121212111221111221111112222
62 6 3	P-74012 12,339		Lockwasher, Steering Knuckle Washer, Steering Knuckle Wheel Weldment	2

LULL ENGINEERING COMPANY, INC. 3045 Highway 13, St. Paul 11, Minn. 55121

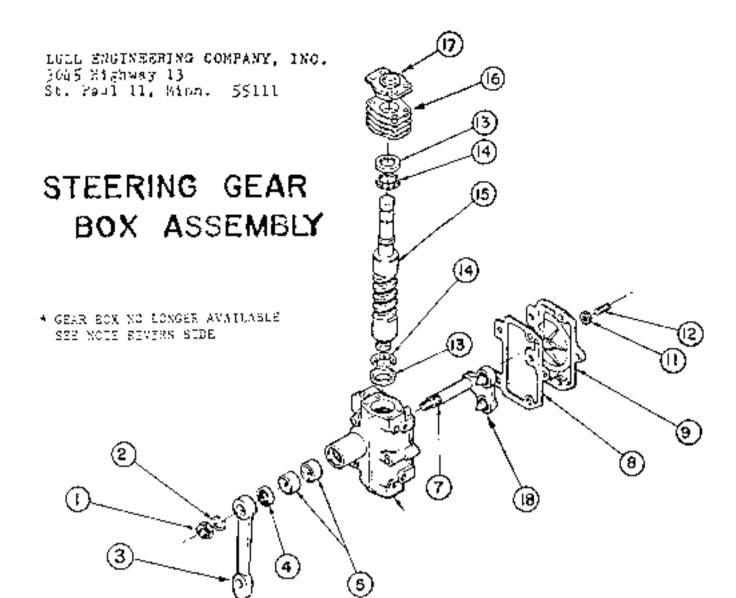


STEERING COLUMN ASSEMBLY

*NOTE: COLLYN & GEAR BOX NO LONGER AVAILABLE

USE THE FOLLOWING PART NUMBERS P13700 COLUMN P13701 GHAR BOX 12891C BRAKET (TO MOUNT SHAR BOX)

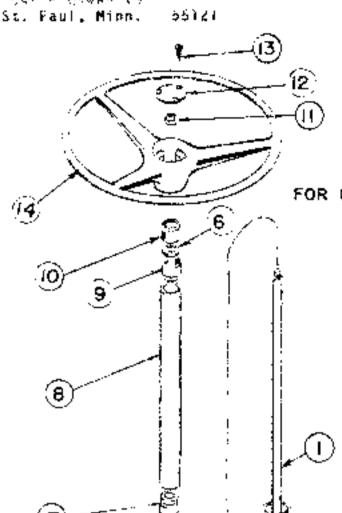
NO.	PARC NO.	DESCRIPTION	NO. <u>REQ</u> .
1 2 3 4 5 5 7 8 9 10 11	** ** ** ** ** ** ** ** ** **	"J" Joint & Wheel Tube Ass'y Spacer Washer Cup, Dust Spring Seat, Spring Lower Column Bearing Tube, Jacket Upper Column Bearing Steering Wheel Nut, Wheel	1 1 1 2 1 1 1
12 13	÷	Wheel Cap Screw, Wood	3



105M <u>No</u> 5	PARC <u>800</u>	<u>DESCRIPTION</u>	no. Req <u>.</u>
10000000000000000000000000000000000000	*	Lever Shaft Not	l
5	4	Javan Shoft Lockwasher	ì
3	×	Fitman Arm	1
4	*	Oil Seal	Ī
5	*	Levar Shaft Bearing	2
ē	*	Modeing	1
7	ír	Lover Shaft Ass'y	1
à	٨	Gaskot	ľ
. 9	*	Side Cover	1
11	*	Ecck Not	<u>ን</u>
75	*	Adjusting Scrow	<u>1</u> 2
13	*	Cup. Pall	
1դ 15	×	Ealts & Retainer	2
15	*	Çeja	1
			1.
16	٨	Shime	ì.
			l
17	*	Upper Cover & Seel Ass'y	<u> </u>
18		Seat	1
10	*	Stud Bearing Ass'y	2

BLE ENGINEERING COMPANY, INC.
2007 Pigawan 33
Se Paul Nigo 56924

STEERING COLUMN ASS'Y NO. 12941 702 SERIES



STEERING COLUMN ASSEMBLY

FOR COMPLETE STEERING COLUMN ASS'Y ORDER NO. P-13702

I COLUMN LESS STEERING WHEEL Y

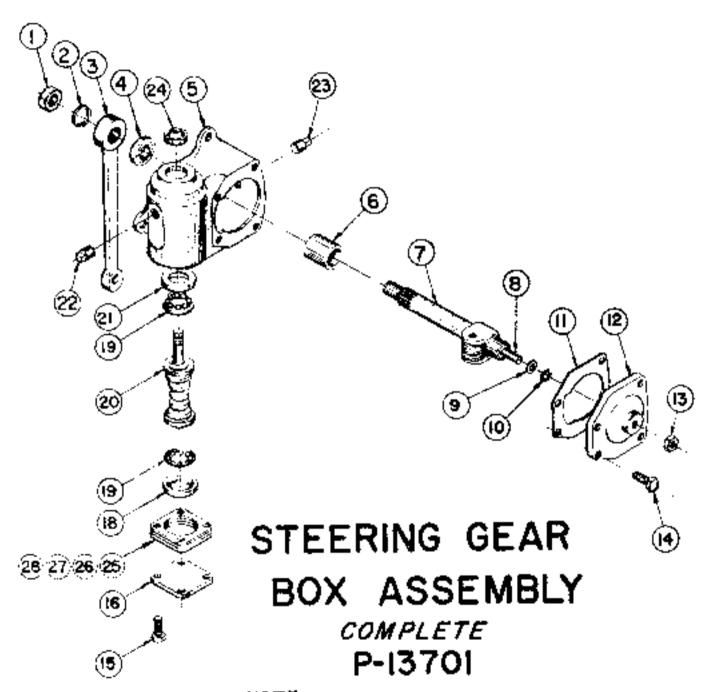
S/N 2451 AND UP

ITEM NO.	PART <u>NO</u>	DESCRIPTION	NO. Reg.
1	F-13746	"U" Joint & Wheel Tube Ass'y	1
8		Boot Rumber "U" Joint Cov e r	ì
3	F-13747	Washer	٦
4	2-13748	Dost Cup	;
5	P-13749	Spring	2
4 5 6 7	P-13750	Seat. Spring	ì
7	F-13751	Lower Column Searing	1
3	P-13752	lube, Jacket	1
9	P-13753	Upper Column Searing	ı
10	P=13754	Spacer	1
11	P+12353	Nut, Wheel	1
12	P-12354	Wheel Cap	ì
13	P-12355	Screw, Wood	3
34	P-10339	Wheel, Steering	1

POLIC CONTRUCTION COMPANY, INC. 1988 MICHWAY 13, 87. PAMEL MINARESOID 55421

STEERING GEAR BOX ASS'Y NO. 12940

702 SERIES



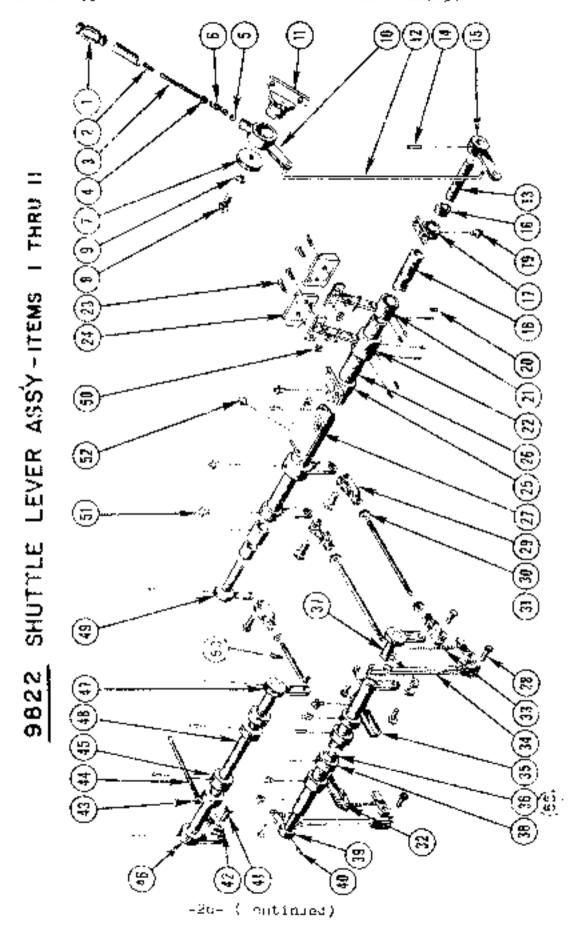
NOTE

P-1370! ASS'Y INCLUDES ITEMS | THRU 28 LESS ITEM NO. 3 | PITMAN ARM

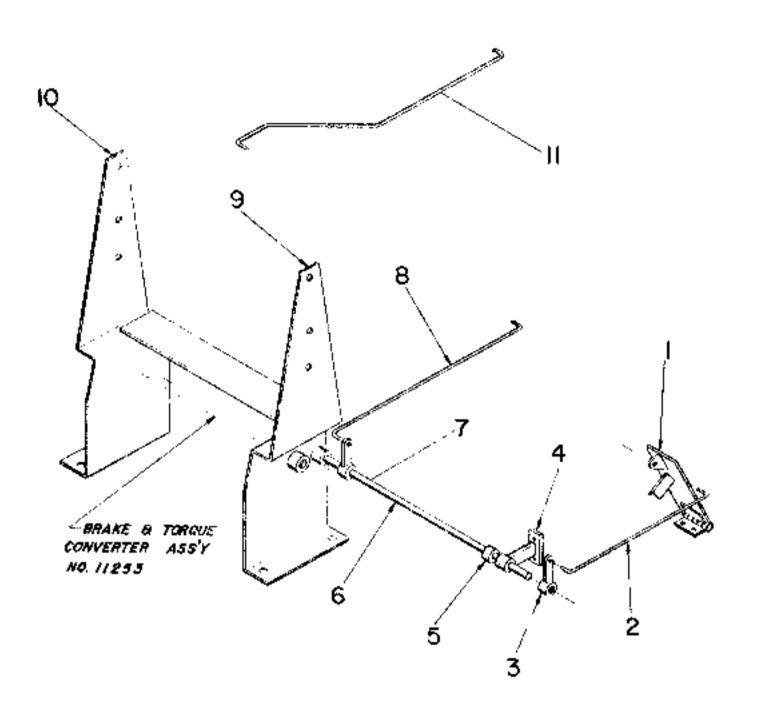
11 EM <u>NO</u> ,	643 T 467	ASSEMBLY NO.	<u>Cescription</u>	NO. Reg.
5-44-65 cm - 2-20 cm - 60 cm	P-13716 P-13716 *10.825 P-13717 F-13718 P-13720 P-13721 F-13722 F-13723 F-13724 F-13725 P-13725 P-13727 P-13727		Nut Lockwasher Pitman Arm Dil Seal Housing Susming Shaft Assembly Screw, Adjusting Washer, Thrust Srap Ring Gasket Cover, Shaft Nut, Jam Screw Screw Cover, Worm	1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P+13733 F+13734 P-13735 P-13736 P-13738 P-13738 P-13728 P-13729 F-13731		Cup, Bearing Ball & Cage Assembly Column & Worm Assembly Cup, Bearing Plug, Vent Plug Seal Shim, Form Cover .002 Shim, Worm Cover .005 Shim, Worm Cover .010 Shim, Worm Cover .003	1 2 1 1 1 1 2 1 5

^{*} When Ordering a Complete P-1370) Gear Box Item # 3 10625 Pitman Arm is not included.

^{&#}x27;A[°] change-E.O.1046 1/9/75



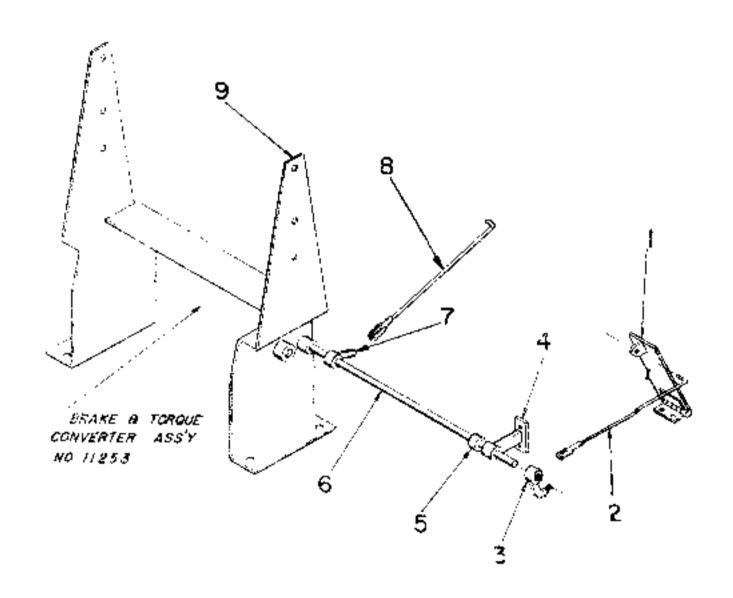
#35. 202	ART RO.	ASSEMBLY NO	<u>DESCRIPTION</u>	REC.
			Rubber Grip Setschew, 378-16 NC x 1/2 Push Rod Spring Stor Chock Boll Spring Washer Scit. 3/8-16 NC x 3/2 Long Lockwasher. 3/8 Control Handle Laver, Nivot Isid Lover Eick Cross Shaft Strel Bushinos Scoport, Left Brake Shaft, Left Brake Zerk Fitting, 1/8 Straight Setschew, 3/8 NC x 3/8 Erake Foot Pedal - Left Hand Brake Foot Pedal - Left Hand Flat Jead Cabscrew, 5/16 NC x drake Pedal Support, Hight Brake Siaft, Right Brake Siaft, Support Clevis Fin Clevis Lock Brake Strait Support	PEC.
				8 2 2 2 2 3
16 32 32 34 34	7407 CC210 CCM L CCM1E 1706 9822 F- 3590		Shaft Arm Hex Lat, 5/16-18 NC Zenk Fitting, 1/8 45/ Zenk Fitting, 1/8 90' wink Shattle Lever Assig. () thru 1 Bushing -27-	2
			11202	л



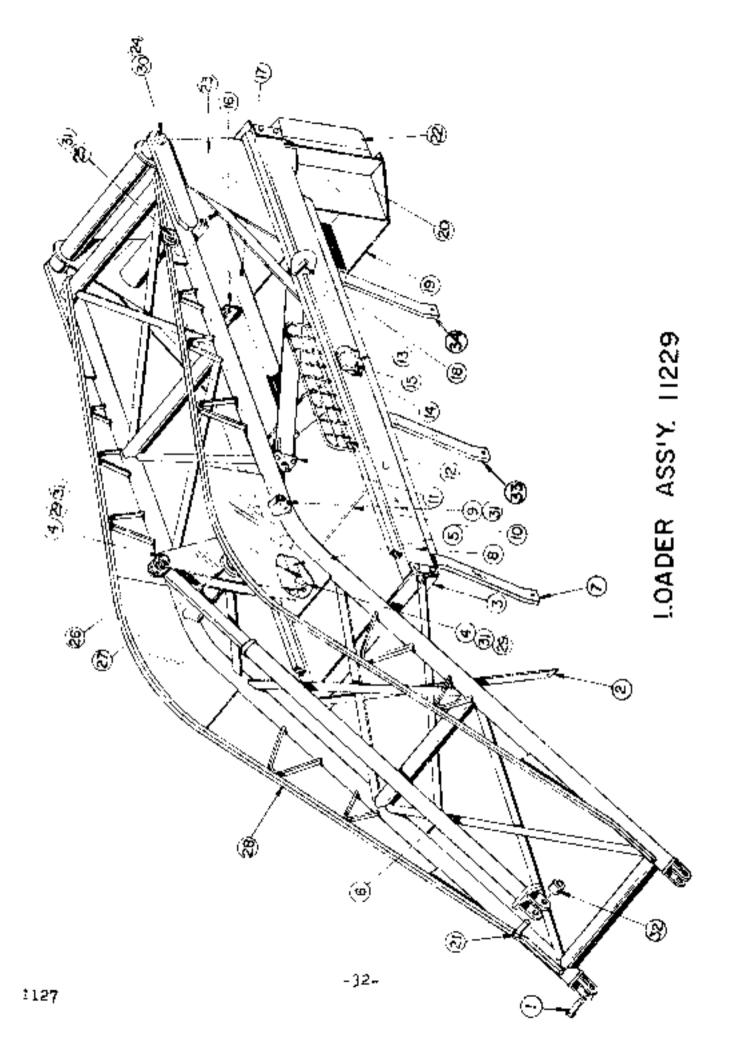
THROTTLE ASS'Y. 11260

EULL ENGINEERING COMPANY, INC. 3045 HIGHWAY 13, ST. PAUL 11, MINNESOTA 55111 THROTTLE ASSAMBLY 702 HIGH-DI.T LOADER NO. 11,250

172% 	TEA5T 000_	ASSENBLY NO.	DESCRIPTION	ИС. <u>ЖЕ</u> О.
1	1100		Pedal Weloment	1
8	1135		Link	1
3	1155		Arm Weldment	l
14	7400		Shaft Support	1
5	$m_{\rm SM}$		Collar	1
Ł	11,040		Cross Shaft	ī
7	11,041		Arm Weldment	1
5	11,042		line	1
ò	11,139		Support Bracket	1
10	11,135		Support Bracket	ı
11	11,287		Fovernor had	1



176M 1305	PAR1 10.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
!	12,521		Pedal Weldment	ì
^	10,591		£ink	Ť
	12,503		Arm Weldment	ļ
	24.20		Shaft Support	•
	7424		Collar	i
:	71,040		Cross Shaft	j
7	12,804		Arm Weldment	i
	02,309		Link	i
:	10,089		Support Bracket	i
10	12,497		Shaft, Governor Weld't	i
1.)	:2,517		hanger, Accelerator Support	1
10	12,466		Stop, Governor	i



YOUR ENGINEERING COMPANY, INC. 3045 HIGHWAY 13. ST. PAUL, MINNESCTA 55121

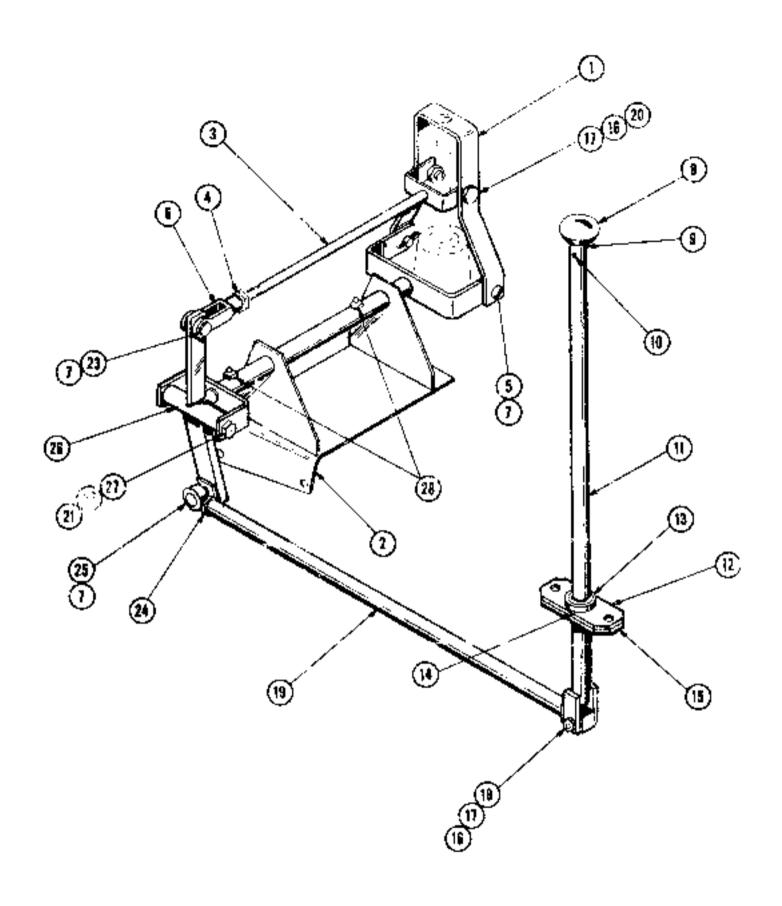
11EM NO.	PART NO.	ASSEMBLY NO.		NO. Req.
NO. 1 2 3 4 5 6 7 8 9 10 11 2 13 4 4 5 6 7 18 15 15 15 15 15 15 15 15 15 15 15 15 15	-		Pivot Pin X Broce, 1 LH - 1 RH Front Frame Bracket Thit Cylinder Pin Jilt Cylinder Assembly Front Parrallel Arm Upright Supports Side Rails Pivot Pin Truss Rod Hoist Cylinder Assiy Operator Side Shield Bushing Spindle Roller Hose Terminal Transverse Cylinder Assiy (Page Noist Cylinder Pin Supply Tank	REQ. 227214422222144441
20 22 22 24 22 22 29 30 32 *34 *34	6983 6964 5596 11,130 5544 11,123 11,168 11,110 2727 11,363 11,363 1150 13,164		Supply Tank Rear Support Pin Counterweight Transfer Carriage Divot Shaft Pin Yoggle Bushing Lift Arm Bushing Collar Collar Support, Upright	1 2 1 2 2 2 5 1 1 1

^{*}Before Serial Number 2457, Use 31,014.

LULL ENGINEERING COMPANY, INC. 3045 HIGHWAY 13. ST. PAUL, MINNESOTA 55121

ITEM	PART NG.	ASSEMBLY NO.	<u>DESCRIPTION</u>	NO. REQ.
			DESCRIPTION Pivot Pin X-Brace, 1 LH, 1 RH Front Frame Bracket Tilt Cylinder Pin Tilt Cylinder Ass'y (Page 54) Front Parallel Arm Upright Supports Side Rails Pivot Pin Truss Rod Hoist Cylinder Ass'y (Page 56) Operator Side Shield Bushing Spindle Roller Hose Terminal Transverse Cyl. Ass'y (Page 58) Hoist Cylinder Pin Supply Tank	
2012234 223 245 278 290 233 333 333 333	6983 5640 5596 11,060 11,128 11,036 11,168 11,060 2727 11,353 5641 *13,135 *13,134		Rear Support Pin Counterweight Transfer Carriage Pivot Shaft Pin Toggle Bushing Lift Arm Eushing Sushing Sushing Sushing Sushing	1 2 1 1 2 1 2 2 5 2 1

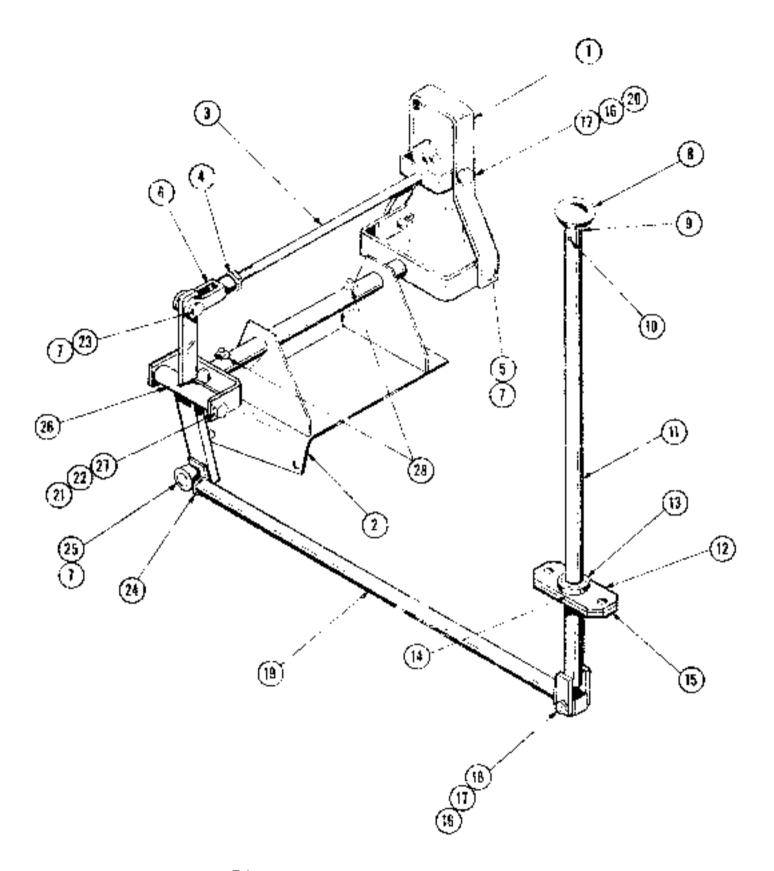
^{*} Refore Serial Number 2450, Use 11,076.



SHIFTING ASSIY. 11250

1128 -34-

ITEM NO.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
1	11,249		Clevis for Shifting	1
1 2 3 4 5 6 7 5 9	11,160		Mounting Plate Assembly	1
3	7232		Upper Link	1
i,	COM'L		Jam Not 1/2" NF	1
3	7593		Pin	2
6	P-10333		Clevia	l
7	CO 11		Cotter Pin 1/8" x 3/4"	2
5	P-10336		Shift Kneb	1
9	7614		Stud	1 2 1 2 1 1
10	2-10348		Roll Pin	ţ
11	7419		Shifting Lover	ì
12	7238		Mounting Plate Assembly	1
43	7093		Pivot Hall	Ţ
l _u	P-103 7 9		Holl Pin	l
15	7357		Lower Support Plate	1
16	CON'L		Shakeproof Washer 3/8"	3
17	COM L		Jam Nuts 3/8" N.O.	4
19	CCM'L		Bolt 3/8 x Z 1/4" N.C.	1
19	11,156		Shifting Link	1
20	COXIL		Capacrew 3/8 NC x 1"	l,
21	COM'L		Jam Nut 1/2" N.C.	1
22	COMPL		Shakeproof Washer 1/2"	1
23	2-10334		Olevia Pin	1
2i.	7602		Special Nut	1
25	P-10343		Tie wod Spå	1 1 1 1 2
25	7251		Pivot Asmembly	i.
27	COMIL		Bolt 1/2" NC x 5" long	ι
25	COMIL		Self Tapping Grease Fitting	2

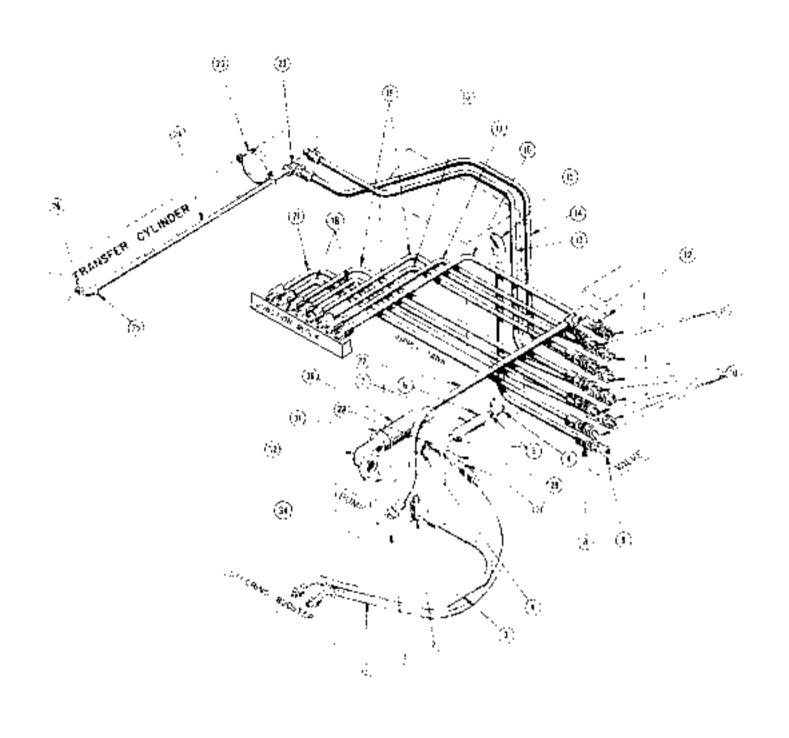


SHIFTING ASSEMBLY 11251

1739 -34-

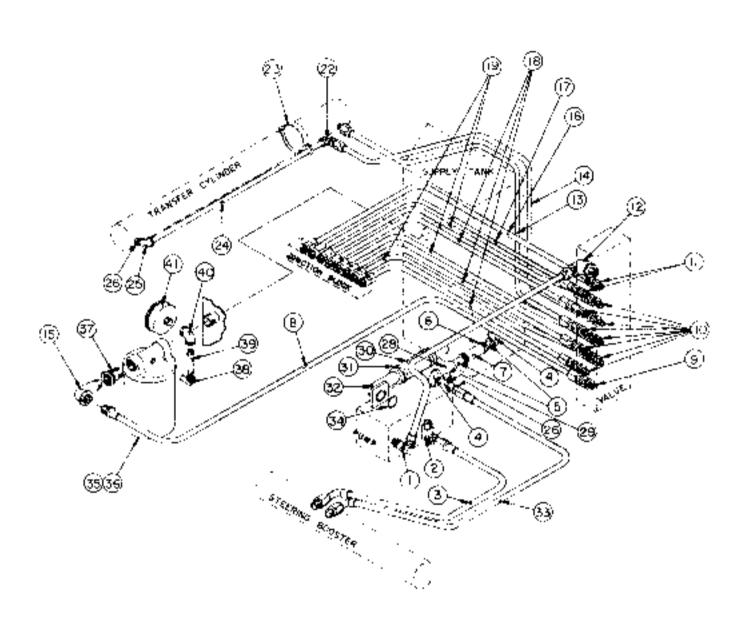
SHIPPING ASSEMBLY 11 201

ITEM	PART	DESCRIPTION	RE'Q.
123,456709012345676 112145670 112145676 123,45676	11,259 11,232 7232 COM*L 7593 2-10336 7614 P-10336 7614 P-10336 7093 2-10379 7357 COM*L CO	Clevis for Saliting Mc holing slate Assembly Upper Link Jan Nut 1/2" NF Pin Clevis 7/2" Sotte: Fin 1/2" x 3/4" Shift Knob Stab Boll Pin Shifting Lever Mounting Plate Assembly Fivet Sail Roll Pin Lower Support Plate Shakeproof Washer 3/6" Jan Ruts 3/6" NO Bolt 3/6" x 2 1/4" NO Shifting Link Depacrew 3/6 NO x 1" Jan Nut 1/2" NO Shakeproof Washer 1/2" Clevis Pin 1/2" x 1" Special Nut Tie Rod End Pivot Assembly Colt 1/2" NO x 5" Long Letf Tapping Greese Plitting	4444242444444



HYDRAULIC SYSTEM (PUMP TO VALVE) 11302

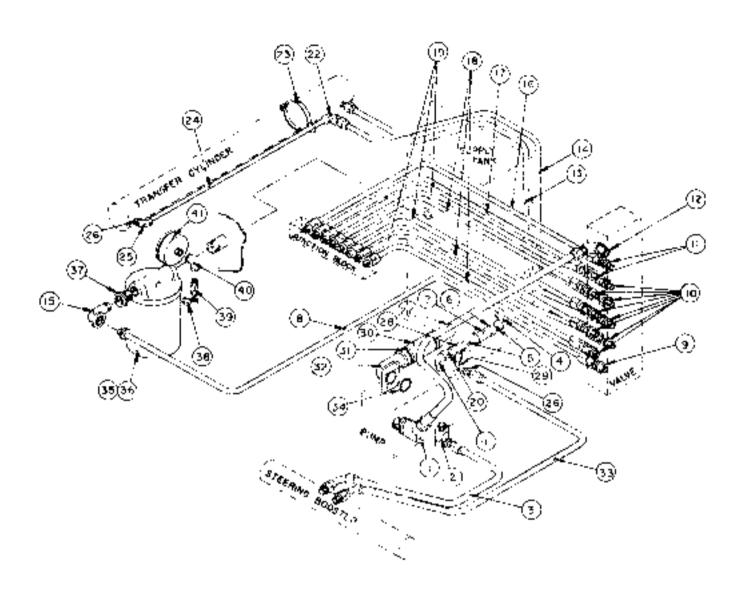
LTEM NU.	PART INDL	ASSEMBLY NO.	DESCRIPTION	NO. <u>REO</u> .
-	0-12912		Donw	1
7 0 4 5 6 7 A	P= 13.497		Swivel Fatting	1
ű.	P+11498		linee.	1
4	6-10 11		Styret : 10	1 2 2 2
÷	9544		Sipphe	8
6	2-19172		Mose Claric	2
7	COMPL		Nose 3/4 (D./ 7) Radiator	1
	6-75470		Hose	1
Ŋ	P=12909		Swive! Litting	1 ; 2 1
13	P-12905		Swivel Fitting	Ŕ
٠.	P: 12907		Swivel Filting	2
32	P-12912		Obow	
13	P-10272		Hase	1
-4	P - 11501		Hose	١
15	P-10101		Street (11)	ţ
16	P-10276		Hose	ş
17	P-10274		Pase	ı
76	P-10451		Ruse) 3 2
19	P-16390		Fose	2
20)				
2.1	P-13436		hose	ì
2/	P-18275		F15cw	1
33	612		57)inder Dipe Clarp	1
34	: 10276		Pape 378 Y Str. x 56"	1
2 6	1 - 1111 3		Street F11	1
26	0.03(120)		Reducing Bashim	2
27	P=49968		Nove]
28	8-31667		Sanvige Jee	1
75	₽-10(19) • 2004		Statet (1)]
40	2,400		dose 1 1/2 [O x 9] Radiator	Į
53	4-10602		Clarp	į
:12	10,915		Flow	1
20	2-11602		421e	1
35	F: 12971		O-Rilad	1



LULL ENGINEERING COMPANY, INC. 3065 PIGHNAY 13. ST. PAUL, MINNESOJA 55121

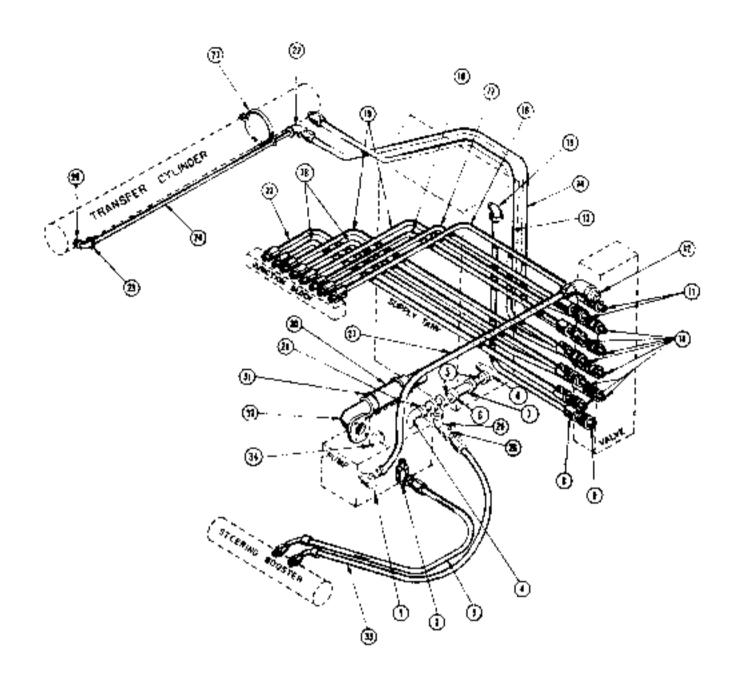
HYDRAULIC SYSTEM ASSEMBLY PUMP TO VALVE NO. 11,302

ITEM _NO	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
1	P-12912		Elbow	1
2	P-11497		Fitting	1
2 3 4 5 6 7 8 9	P-14917		Hose	1
4	P-10111		\$treet E!l Nipple	2
5	9544 P-10178		Hose	2
7	COMIL		Kose	2 2 2 1
Ŕ	P-13023		Hose	1
ğ	P-12909		Fitting, Swivel	I
10	P-12908		Fitting, Swivel	 8 2
11	P-12907		Fitting, Swivel	2
12	P-12911		£1bow	1
13	P-10272		Hose	ļ
14	P-11501		Hose	1
† 5	P-10101		Street Ell	ί
16 17	P-10276 P-10274		Hose Hose	i
18	P-10451		Hase	1 3 3
19	P-10390		Ноѕе	3
20				
21				
22	P-10225		Elbow	1
23	612		Cylinder Pipe Clamp	ĺ
24	N-10276		Pipe	ļ
25	9-10117		Street Ell	ı
26	P-10120		Sushing, Reducing	2 1
27	P-12968		Mase Service Tee	' 1
2 <u>8</u> 29	P-11058 P-10191		Street Ell	i
30	CO4: L		Hose	1
37	P-10602		Clamp	Ī
32	10,915		Elpaw	!
33	P-17177		Hose	3
34	P-32971		0-Ring)
35	F-13587		Filter]
36	P-13597		Filter Element	1
37	P-10059		Bushing, Reducing	1
38	P-10201		Street Ell	1
39	P-10757		Nipple Elbow	i
40 41	P-10223 P-1358B		rioow Gauge	i
41	F-1330B		ven34	'



-38-

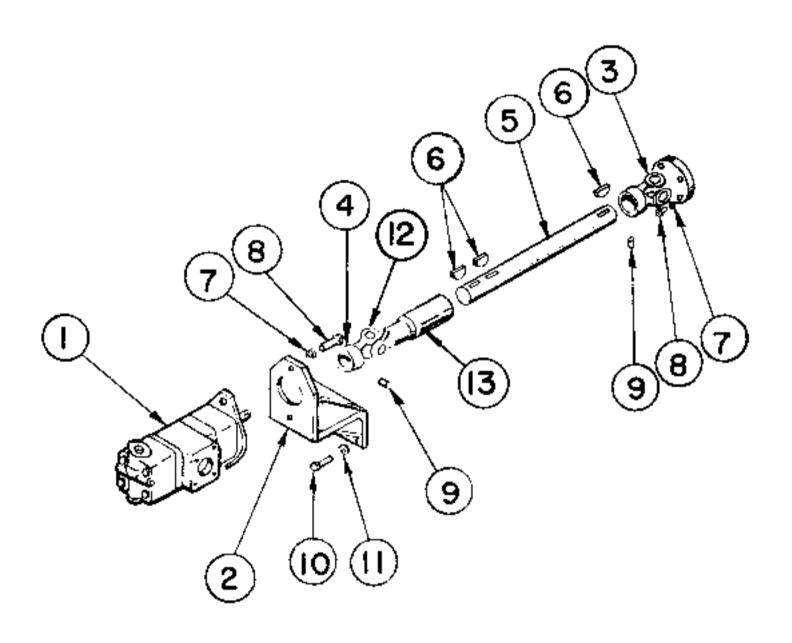
ITEM ND.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. <u>Req.</u>
1	P-12912		Elbow	1
2 3 4 5 6 7	P-11497 P-14917		Fitting Hose	1
4	P-10111		Street fll	1 2 2 2 1
5	9544		Nipple	ž
6	P+10178		Hose Clamp	2
7	COMIL		Hose	
8	P-13023		liase)
9 10	P-12909		Fitting, Swivel	1 8 2
11	P-12908 P-12907		Fitting, Swivel Fitting, Swivel	0
12	P-12911		Elbaw	ົ່າ
i.i	P-102/2		llose	į.
14	P-11501		Hose	ĺ
15	P-10163		Street Ell	1
7.5	P-10276		hose	1
1.7	P-10274		405e	Ĭ
18 19	2-10451		Hose	3 3
20	2-10390 6-10938		Mose Nipole	i 1
21	7-103311		чт,ро∵е	'
21 22 23	P-10225		<pre><!--pre--></pre>	1
23	612		Cylinder Pipe Clamp	ì
2.0	M-10183		Pioe	ì
26	P-10117		Street Ell	1
26	P-10120		Bushing, Reducing	2
27 28	P-13417		Hose	,
2 (* 2 (*)	P-10107 P-10191		Tea Street Elî	ļ
29 20	CONTI		Ease	i
31	P-10602		qusf3	i
22	11,799		Flbaw	1
33	P-17177		‼ose	1
34	P-12971		O-Ring	1
35	P-13587		Filter	1
35 37	9-13597 10059		Filter Element]
33	P-10207		Reducing Bushing Streat 511	1
39	P-10757		Populari (1)	;
40	P-10883		El bow	i
41	P-13588		Gauge	i



HYDRAULIC SYSTEM (PUMP TO VALVE)
(11303)

1150 - (0-

ITEM	PART	DESCRIPTION	RE'Q.
1274567690128448901288755555 111214678901288755555555555555555555555555555555555	2-12912 2-11497 2-11495 2-10111 9544 2-10175 008'L 2-12906 2-12906 2-12907 2-12907 2-10276 2-10276 2-10276 2-10390 2-10390 2-10390 2-10177	Elbou Swivel Fitting Bose Street Sil Elpole Hose Class Hose 3/s" F.D. x 6" Madister Bose Swivel Fitting Swivel Fitting Elbou Hose Cose Street Ell Hose Hose Ulpole Hose Syltador Fine Class Syltador Fine Class Syltador Bushing Accord Ell Meducing Bushing hose Tas Street Ell Hose Street Ell Hose Street Ell Hose Hose Tas Street Ell Hose Street Ell Hose Street Ell Hose Hose Tas Street Ell Hose Hose Hose Hose Hose Hose Hose Hose	



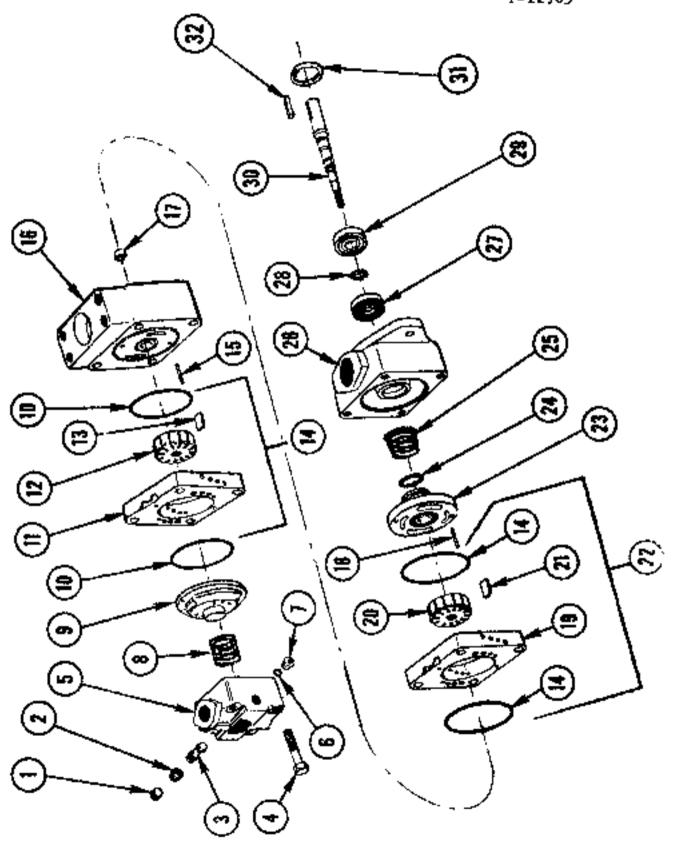
PUMP AND DRIVE ASSIY. 11205

1130 -42-

tham ND.	Phat Ji <u>G.</u>	ASSEMBLY NO.	DEWCRIPTION	NO. REQ.
1		*°-33631	Pump (Page 43)	1
7	11,197		Դետը Տարթու:	1
3	718 5		Fan Puliny Adapter	1
4	P-13700		Erc Yoke	1
5	3518		Pump Drive Shaft	1
7 3 4 5 6 7	P-10517		Key	3
7	COMIL		Shakeproof Washer, 172"	2
8	COM'C		- Capscrew, 1/2-13 MC x 1 i// Long	2
			Pex bead	
9	COM'L		Satsurew, 3/8-16 MC x 3/8" Long	2
10	COM'L		Capsurew, 1/2-13 MC x 1 1/3"	3
			Hex Road	
11	SOMIL		Lockwasher, 1/2"	3
1.2	P-13699		Cross	1
13	P-13698		Slip Juint	i

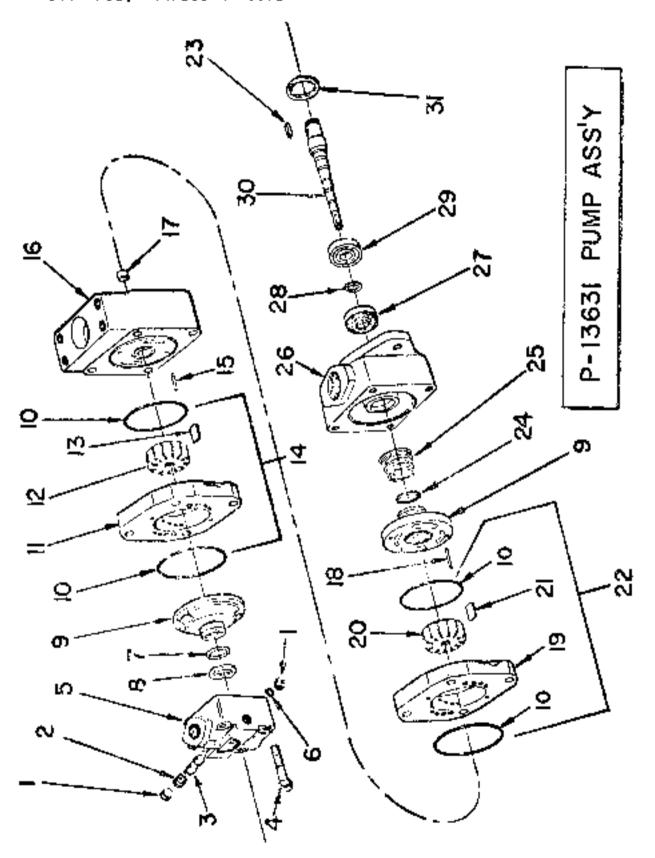
^{* 5/}N 2001 Thru 2466 - use P-12905.

HYDRAULIC FUMP ASS'Y F-12905



PUMP ASSEMBLY P-12905

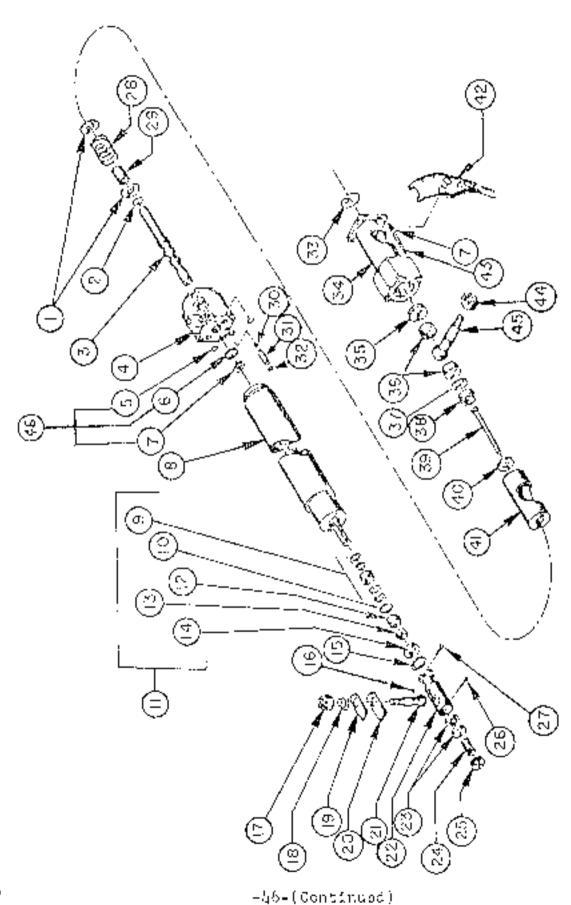
ITEM	PART	DESCRIPTION	RE'Q
12345678901234567890123 1234567890123 222232333333	P-12900 P-12910 P-12910 P-12910 P-12910 P-12910 P-12920 P-12920 P-12920 P-12920 P-12920 P-12930	Plug Spring Valve Sub Assiy Screw Cover Shep Hing Flug Prossure Plate O-ming Aing Notor Vane Kit (12 Vanes) Survice Kit Pin Body - Includes F-12926 Bushing Bushing Fin Ring Rotor Vane Kit (12 Vanes) Service Kit Pressure Plate O-Ring Spring Omblet Body Senl Shap Ring Ecoring Sheft Shap Ring Ecoring	111211111111111111111111111111111111111



-44-

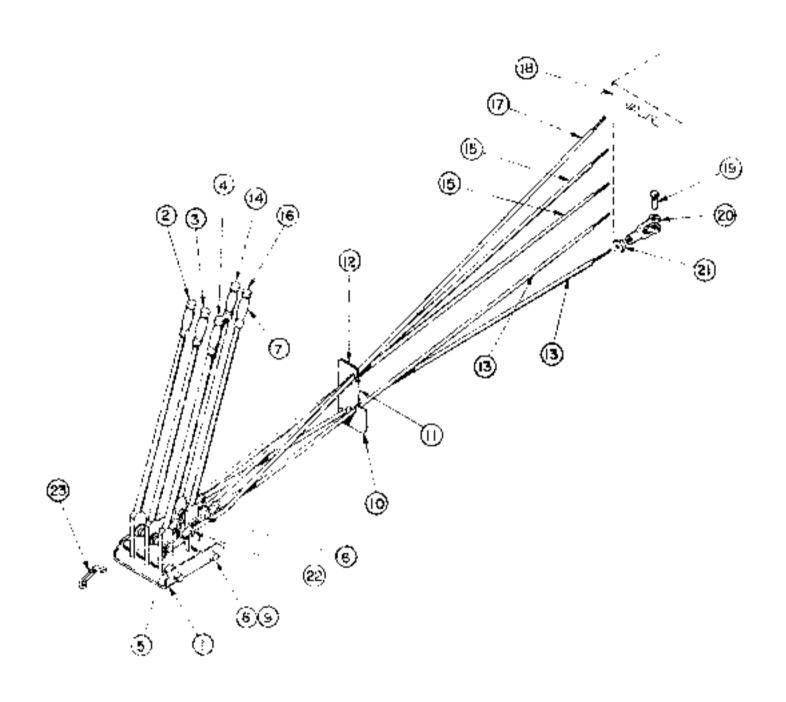
11EM _NO.	PART NO.	ASSEMBLY NO.	<u>DESCRJETION</u>	NO. REQ.
1 2 3 4 5 6 7 8	P-12204 P-12914		Plug Spring	2
3	P-12915 P-13638		Yalve Sub Assembly	j
5	P-13636		Screw Cover	4 1
6	9-12205		Snap Ring	ļ
7	*P-12210		C-Ring	
R	P-13656		Washer	ĺ
9 10	P-13661 *P-12192		Pressure Plate	3
ii	P-13644		D-Ri ng Ring	1 2 4 1
12	P-13655		Poter	i
13	F-13648		Vane Kit (12 Vanes)	i
14 15	F-13660		Kft]
16	P-1365] P-12925		Pin] 2 T
17	P-12926		Budy (Includes P-12926 Bushing Cushing	Ţ
15	P-12927		Pin	2
19	P-13643		Ring	2
20 21	F-13653		Rotor	1
22	P-13646 P-13658		Vane Kit (12 Vanes) Kit	1
23	P-12939		Key	1 7
24	*P-12210		0-Rina	í
25	P-12933		Spring	ĺ
26 27	P-12934 *F-12444		Rody (Dutlet)	1
28	P-12935		Sear. Shaft Smap Ring	ļ
29	P-72936		Dearing	1
3 C	F-72337		Shart	່ງ
31	P-12938		Shap Afng	•
35	P-12946		Seal Kit	ì

^{*}Included in P-12940 Seat Kit.



327

1. 8-12224 Washer 2. 9-12225 O-Ring 3. 0-12226 Valve Spool 4. 6-12227 Body Sub Assembly 5. 9-12228 O-Ring, 3 Req'd. 6. 9-12229 O-Ring 7. 9-12230 Sut 8. 9-12231 Cylinder Sub Assembly 9. 9-12231 Cylinder Sub Assembly 10. 9-12233 Washer 11. 9-12236 Sasket Kit 12. 9-12236 Sasket Kit 13. 9-12236 Sociaper 13. 9-12236 Sociaper 15. 9-12238 Sociaper 15. 9-12238 Sociaper	
16. P-12239 Mut 17. P-12240 Met 18. P-12241 Spring 19. P-12242 Shirld 20. P-12243 Eust Cover 21. P-12244 Rall Stud 22. C-12245 Pousing 23. P-12245 Uall Stud Seal 24. P-12247 Spring 25. P-12248 Plug 26. P-12250 Spring 27. P-12251 Spring 29. P-12251 Spring	ly
26. P-32269 Cotion Pin 27. P-32250 Sprew 28. P-12251 Spring	
32. 8-12205 D-Ning 33. 9-12205 Shap Ring 34. 9-12207 Plange Houseny 35. 9-12208 Plug 36. 9-12209 Seat 37. 9-12200 Spring	
38. P.12261 Spacer 39. P-12262 Schow 40. P-12263 Washer 41. 9-12264 Sleave 42. P-12265 Dest Cover 43. P-12267 Stud, 4 Regid. 44. P-12268 Set 45. P-32560 Bell Stud 46. P-33505 Kit	



VALVE CONTROL ASS'Y, 11263

*141 =50-

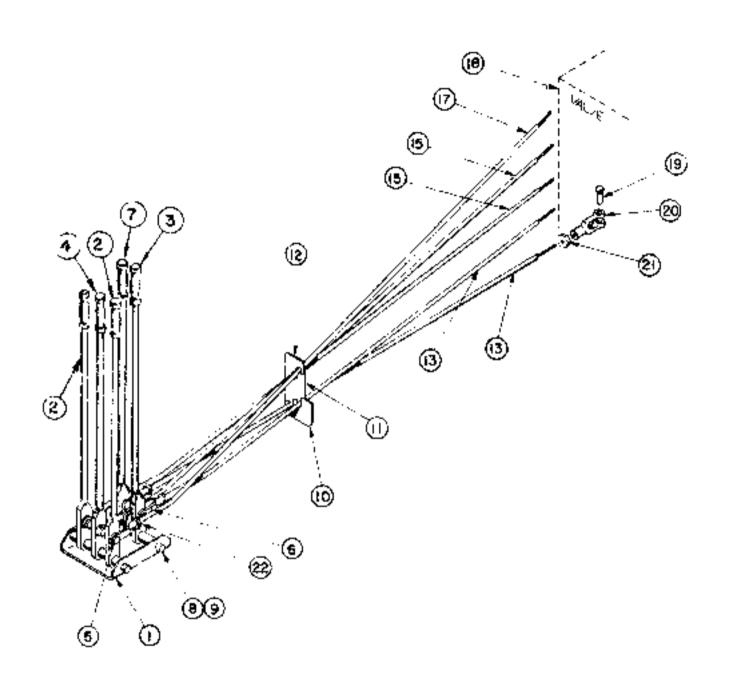
VALVE CONTROL ASSEMBLY NO. 11,263

ITEM	PART	DESCRIPTION	RE'Q.
123456769010111111118 9 0122	11,127 11,255 11,218 2-10514 2-10514 2-10514 2-10012 8786 11,079 10,922 11,304 11,223 11,224 11,224 11,225 2-10192 90814 2-10192 90814 2-10192	Valve Handle Bracket Valve Control Mendle Valve Control Handle Valve Control Handle Clevis Rubber Handle Grip Pivot Shaft Gpacer Valve Hed Stabilzor Center Top Valve Control Had Valve Control Red Valve Control Red Valve Control Red Valve Control Red Valve Hasi's (Page 52) Clevis Pin Clevis Pin Clevis Jam Nut 1/2-20 MF Support	111155201111111111111111111111111111111

LULL ENGINEERING COMPANY, INC. 3045 HICHWAY 13, ST. PAUL 11, MINNESOTA 55111

VALVE CONTROL ASSEMBLY 702-31' HTGH-LIFT NO. 11,262

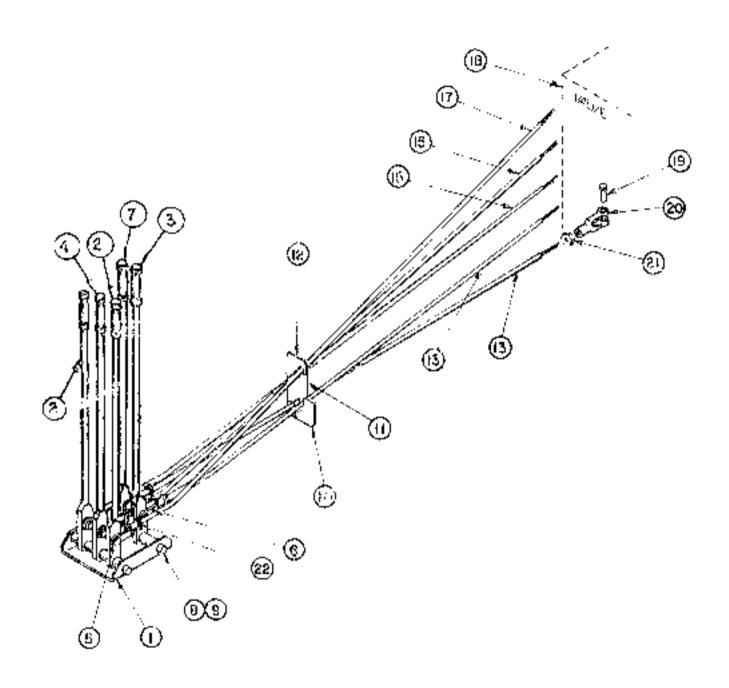
ITEM 30.	PART NO.	ASSEMBLY NO.	DESCRIPTION	яо. выс.
123 45678 9012345678 90	NO. 11,127 11,255 11,217 11,216 P-10514 P-10333 P-10012 8785 8785 11,029 10,922 11,221 11,220 11,220 11,222 P-10040 P-10193	10,950	Valve Handle Gracket Valve Control Handle Valve Control Handle Valve Control Handle Clevis Pin Clovis Gubber Handle Grip Pivot Shaft Spacer Valve Had Stablizer Center Top Valve Control Handle Clevis Fin Clevis	11115552111112121111555555
2 <u>1</u> 2 2 2)	00M1L 00M1L 11,030		Jam Sut 3/8-24 MF Jam Nut 1/2-20 NF Bracket Support	1



VALVE CONTROL ASS'Y. 13142

VALVE CONTROL ASSEMBLY NO. 13,142

115M	PART	ASSEMBLY	DESCRIPTION.	NO.
_NO.	NO.	NO.		REQ.
1 2 3 4 5 6 7 8 9 10 12 13	11,127 8726 8727 8728 P-10514 P-10333 P-10012 8785 8786 11,029 10,923 10,923		Valve Handle Bracket Valve Control Handle Valve Control Handle Valve Control Handle Clevis Pin Clavis Rubber Handle Grip Pivet Shaft Spacer Valve Rod Stablizer Center Top Valve Control Rod	1 1 1 5 5 2 1 1 1
14 15 16 17 18	11,223	10,950	Valve Control Rod Valve Control Rod Valve Assembly (Page 52)	2 []
19	P-10040		Clevis Pin	5
10	P-10193		Clevis	5
13	COM'L		Jam Nut. 3/8-24 NF	5
22	COM'L		Jam Nut. 1/2-20 NF	5

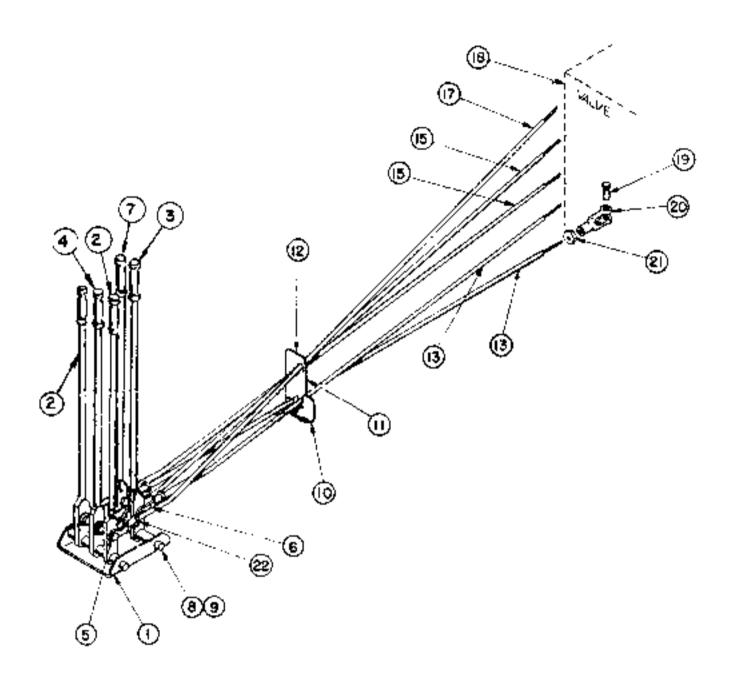


702-451

LULL ENGINEERING COMPANY, THO. 3045 HIGHWAY 13. 31. PAUL, MINNESOYA 55121

VALVE CONTROL ASSEMBLY NO. 13,480

ITEM NO.	PART NG.	ASSEMBLY NO.	DESCRIPTION	NO. REG.
1	8784		Valve Handle Bracket	•
2	8726		Valve Control Handle	ř
3	8721		Valve Control Landle	ì
ď	8728		Valv∘ Control Handle	1
5	୭-10514		Oleyis Pin	5
6	P-103 3 3		Clevis	5
7	9-10012		Pubber Mandle Grip	5
2 3 5 6 7 8 9 10	8795		Pivor Etait	,
9	8786		Spacen	ĩ
10	11,025		Anive Rod Stablizer	i
11	30,725		.enter	i
12	10,922		Top	
13	17,304		Valve Control Rou	,
. 4	17,304		ABIAG CHICLDI KAJ	2
15	11 222		Hallon Carberl Had	-
16	11,223		Yalve Control Yod	2
	11 004			
17	11,224		Vajve Control Rod	7
18		10.950	Valve Assembly (Page 52)	•
19	P-10040		Clevis Pin	5
20	P=19393		Clevis	5
21	COMPE		Jam Nut, 3/8 24 NF	5
72	COM1L		Jam Nut, 1/2-20 NF	Š.



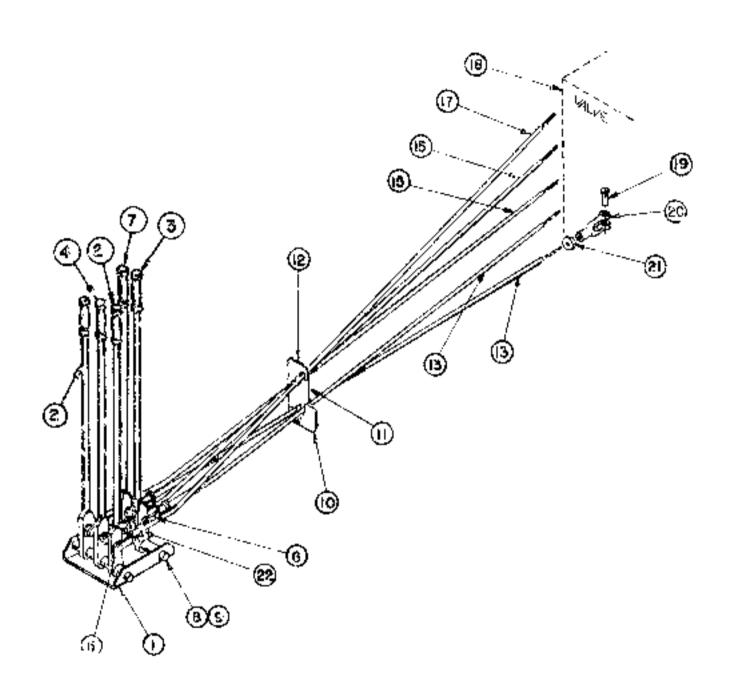
VALVE CONTROL ASSIY. 13187

S/N 2467 and UP

1431 - JO-

VALVE CONTROL ASSEMBLY NO. 13,187

17EM _NG.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
i	11,127		Valve Handle Bracket	1
2	8726		Valve Control Handle	i
5	8727		Valve Control Handle	i
4	8728		Valve Control Handle	i
5	P-19514		Clevis Pin	Ġ
5	P-10333		Clevis	š
1 2 5 5 7 8 9	9-10012		Robber Bandle Grip	5 5 2
8	8785		Picot Shaft	5
9	8786		Spacer	้
10	11,029		Valve Rod Stablizer	i
11	10,923		Center	j
12	10,922		Top	í
13	11,221		Valve Control Rod	2
14				_
15	11,220		Valve Control Rad	2
16	•			_
17	11,222		Valve Control Rod	1
3.6	,	10,950	Valve Assembly (Page 52)	i
13	P=10040	.,,,,,	Clevis Pin	Ś
0.9	P-10193		Clevis	š
27	COXIL		Jam Nut, 3/8-24 NF	Š
22	COMIT		Jam Nut, 1/2-20 NF	5 5 5 5



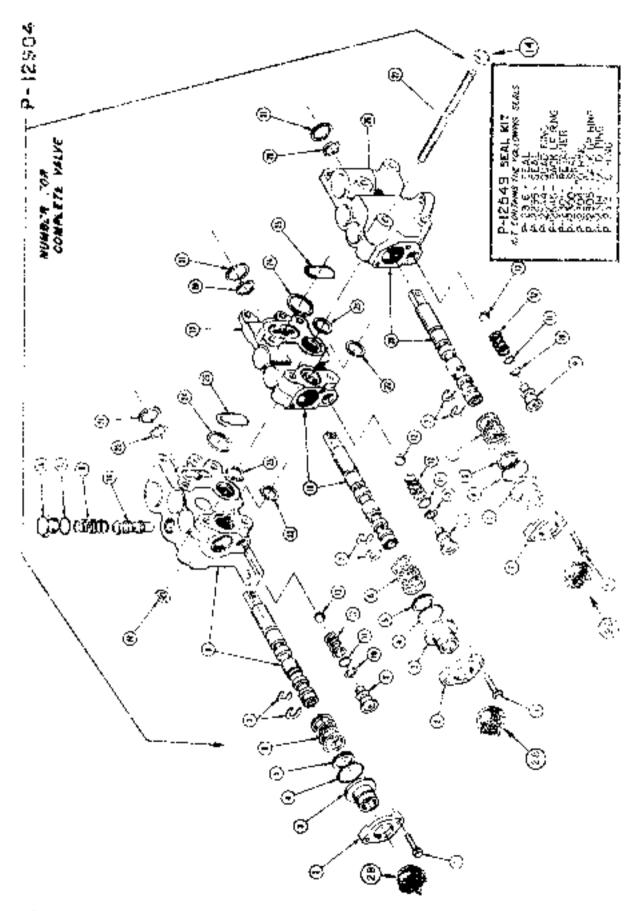
702-311

1830 -50-

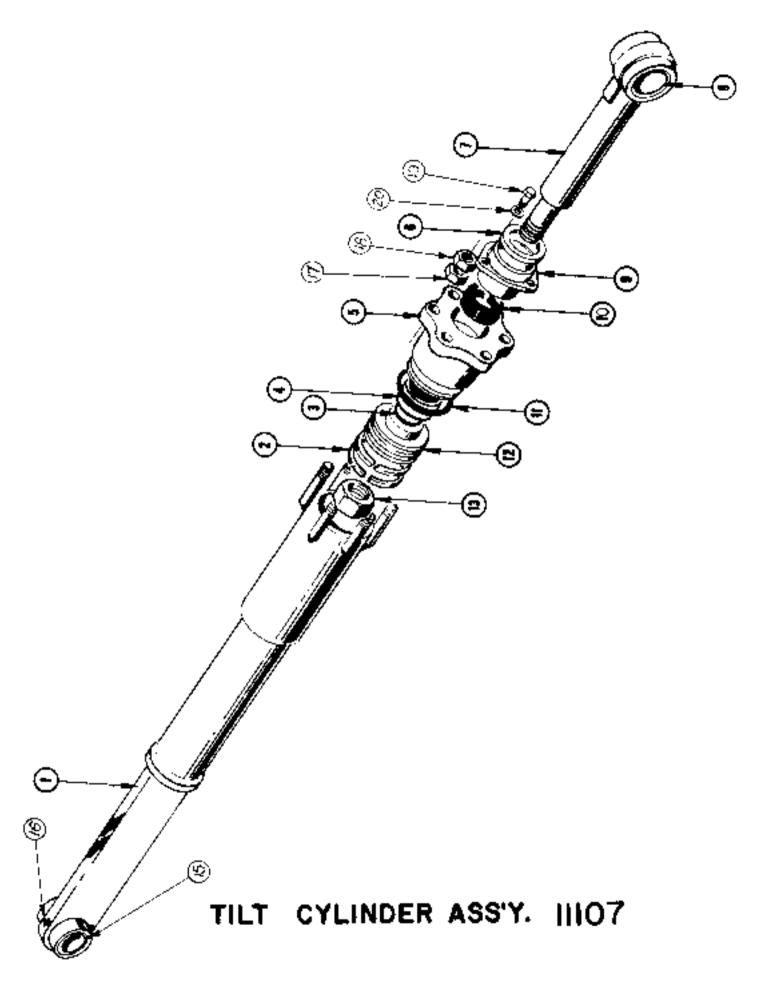
LULL ENGINEERING COMPANY, INC. 3045 HIGHWAY 13, ST. PAUL, MINNESOTA 55121

VALVE CONTROL ASSEMBLY

ITEM NO.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
1	8784		Valve Handle Bracket	1
	8726		Valve Control Handle	1
3	8727		Valve Control Handle	1
ă	8728		Valve Control Handle	Ť
5	P-10514		Clevis Pin	5
ň	P-10333		Clevis	5
2 3 4 5 6 7 8 9	P-10012		Rubber Handle Grip	5 5 2
Á	8785		Pivot Shaft	2
ğ	8786		Spacer	1
10	11,029		Valve Rod Stablizer	ì
jĭ	10,923		Center	ì
12	10,922		Top	i
13	11,227		Valve Control Rod	Ž
14	,		74114 43114741 114-	_
15	11,220		Valve Control Rod	2
16	11,225		With annual man	
17	11,222		Valve Control Rod	1
18	,	10,950	Valve Assembly (Page 52)	1
19	P-10040	,,,,,,,	Clevis Pin	5
20	P-10193		Clevis	5
21	COMPL		Jam Nut, 3/8-24 M.F.	Š
22	COM, r		Jam Nut. 1/2-20 N.F.	5 5 5
	0011 0		44.0 -14.0 -1 -1 -4 4	-



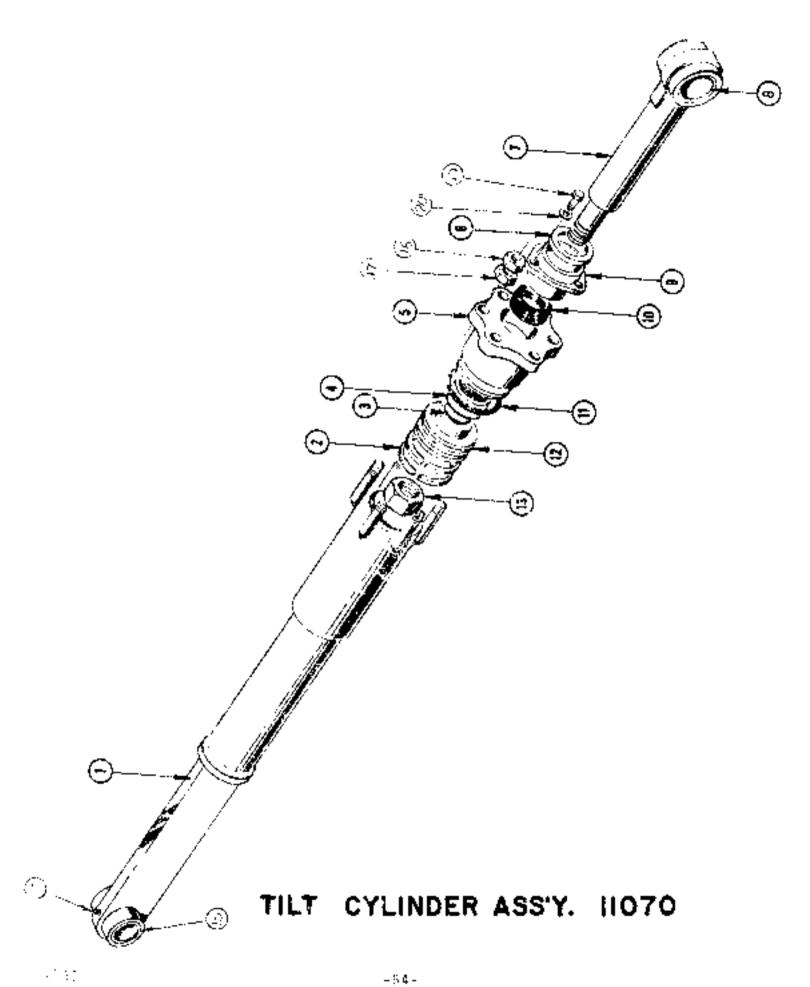
ITEM	PART	DESCRIPTION	RE'Q.
	#-12315 #-12309 #-12309 #-12309 #-12309 #-12309 #-12309 #-12309 #-12395 #-12296 #-12544 #-12349 #-12309 #-12309	Screw detainer sleeve C-Ming wood ding dyring C-Washer Coction & Social clug Rack Up ding C-ding Rosing Resil Sut Section & Social Fing C-ding Section & Social Fing C-ding Section Valve Coctes Load ding Resil Seel Retainer Fection & Special Sind Clust lover de local when in F-12yer levi Kit	0.0000000000000000000000000000000000000



135 -54-

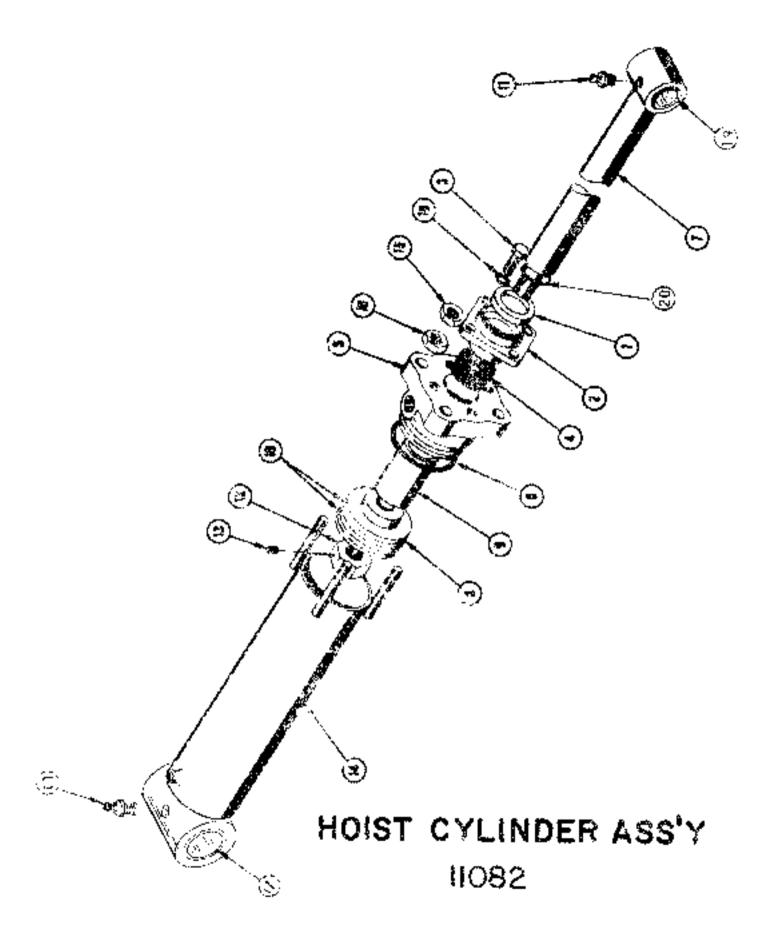


REF	PART NO.	DESCRIPTION	REQ.
12345678901234567890		Tilt Cylinder Assembly - 702-31' NO. 71.707 Tube Weldment Ring Assembly O-Ring Spacer Read Klozures Piston Rod Osshing Gland V-Packing O-Ring Piston Special Nut Setscrew, 1/4-20 N.C. x 3/8 Cup Point Bushing Zerk Fitting, 1/8" N.P.T. Hex Mut. 1/2-20 N.F. Jam Net. 1/2-20 N.F. Jam Net. 1/2-20 N.F. Washer, Shakeproof 3/8	



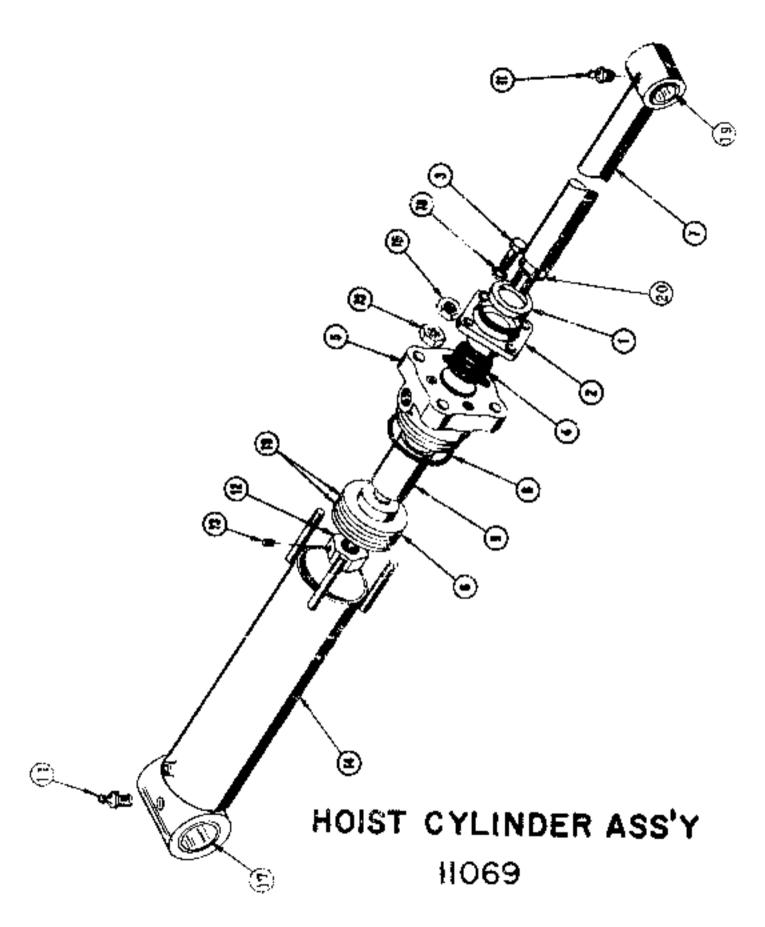


REF.	PART NO.	DESCRIPTION	REQ.
12345678901234667890 11234567890 1234567890	11,197 6-11286 9-11576 5-16322 9-1653 9-1653 9-16576 9856 0016 2727 00M/L 00M/L 00M/L 00M/L	Till Cylinder Associal Processor Processor Pring Associal Seacor Cylinder Head Wiper Piston Rad Weldment Hushing Chand V-Packing O-Ring Priston Secial Mut. Setsurew, 1/4"-29 Mt. x 3/8 Cup Point Bushing Zewk Fitting, 1/8 N.C.T. Not. Hex 1/2-20 M.F. Capscrew, 3/8"-15 N.E. x 1" Long Washer, Shakebroof 3/8"	12:771111111115633





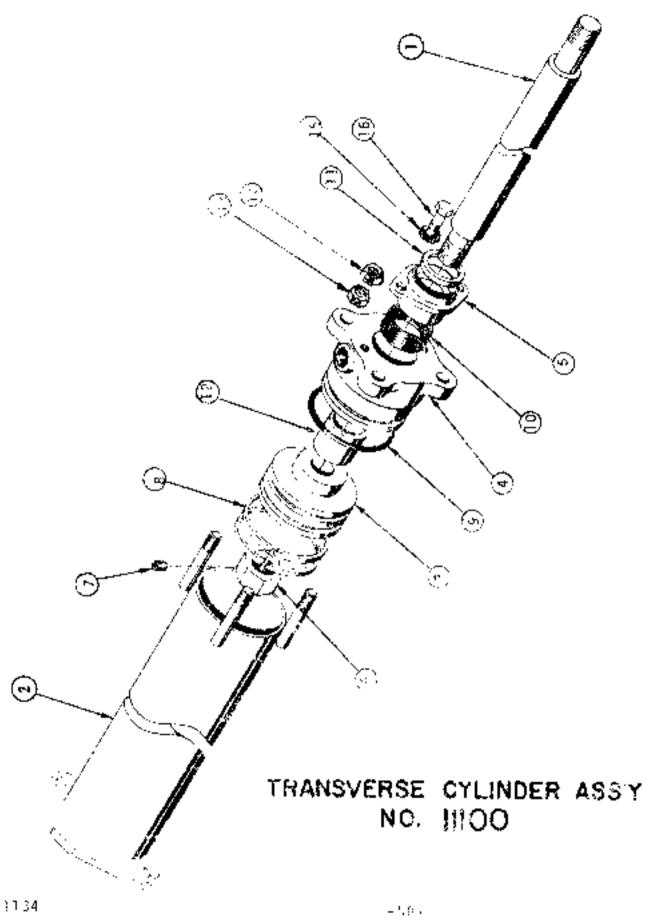
REF	PART	NO.	DESCRIPTION	REQ.
	0-10504 00700 00700 00700 01000 01000 007000 007		Forsi Cylling Assevely 702 31' 10 11,050 Kinzere Shand Carserew, 5716 S.C. x 1 1/2" come v-Packine Good C-Bren Fiston Soncer Ring Assembly Zerk fittine Dut, Social Setscrew, 170-20 to x 3/8 Cur Point Cylinder Tube xelfact Hat, 3em 1/2 h.S. Sushing Nasher, Shakeproof 57.6 Sushing G-Rine	



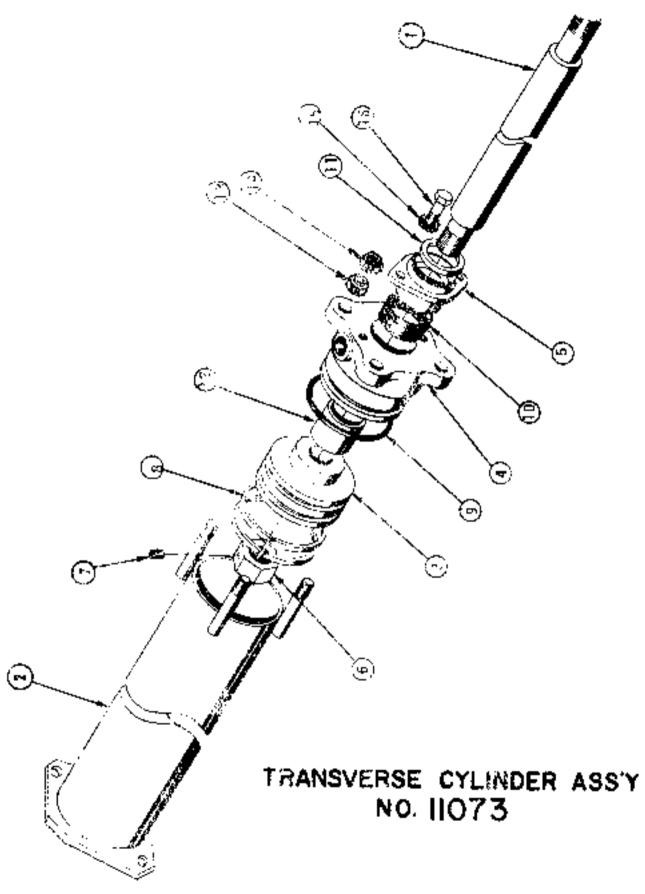
1757



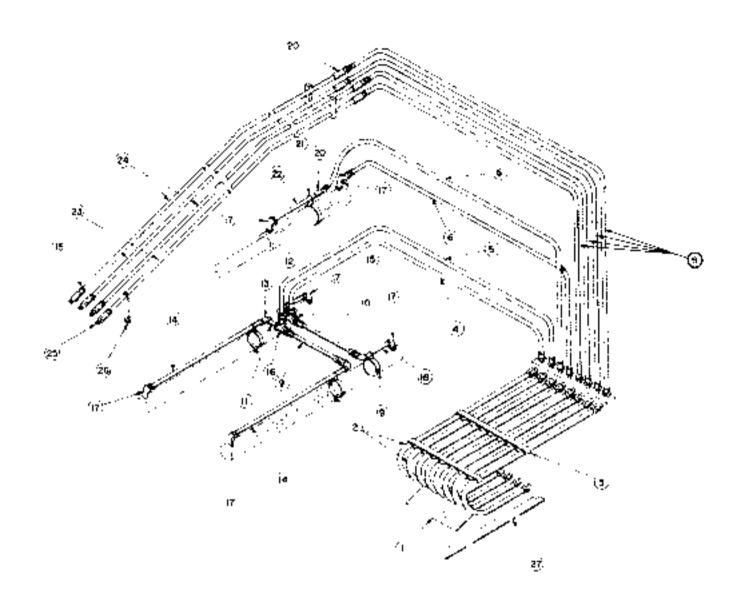
REE PART	O. DESCRIPTION	REQ
- 35.00 - 3	English Cylimper Assembly (19-40) 100 (11,069) English Conserved (11,069) English Co	REQ



	7474 - 324	ASSEMBLY AD.	DESCRIPTION	80. <u>865</u> .
•	91,000		Newfor Ros	-
2	11,098		Cylinder Tube weidmer:	1
	6.5-1		Fiscor	1
55576	1004		Pead	ļ
- 5	3032		- land	1
5	222		Nat, Special	1
7	$\in (0, x_0, T)$		Settomow. 374m MC x 378m Gub Pt.	1
	0.1134		°'ng (ssembly	2
51	A-1011		Ming	1
10	2-1000		V-Deckin:	ı
11	-95.0006		Kinzure, viper	1
i.	N=16231	6	Spacer	1
: 5	COAT L		Not, Ful? 3/2 87	4
7.4	008 TL		Nut. Jam 1/2 MF	à
3.5	11M60		Washer, Shaker oof 3/8	2
1.6	COM L		Capachem, 3/8 NC x 1" Long	2



1 11.074 Piston Pod 2 11,075 Cylinder Twoc Waldment 3 551 Piston 4 1028 Pead 5 1032 Chand 6 222 Dut. Special 7 COMPL Setsonew, 1745 NO x 3/8 Cup Pt. 8 P-11346 Ping Assembly	NO. nee
7 COM*L Setsones, 1/4" DC x 3/8 Cup "t. 8 P-11346 Ping Assembly 9 P-10314 U-Bing 10 P-10306 V-Packing 21 P-10308 Uibzure, Wiper 2 A-10151 Soucer 13 COM*L Sub, Fuβ3 3/2 MS 14 COM*L Sub, Fuβ3 3/2 MS 15 COM*L Sub, Fuβ3 3/2 MS 16 COM*L Sub, Fuβ3 3/2 MS 17 COM*L Sub, Fuβ3 3/2 MS 18 COM*L Sub, Fuβ3 3/2 MS 19 COM*L Sub, Fuβ3 3/2 MS 10 COM*L Sub, Fuβ3 3/2 MS 11 COM*L Sub, Fuβ3 3/2 MS 11 COM*L Sub, Fuβ3 3/2 MS 12 COM*L Sub, Fuβ3 3/2 MS 13 COM*L Sub, Fuβ3 3/2 MS 14 COM*L Sub, Fuβ3 3/2 MS 15 COM*L Sub, Fuβ3 3/2 MS 16 COM*L Sub, Fuβ3 3/2 MS 17 COM*L Sub, Fuβ3 3/2 MS 18	1 1 1 1 1 1 1 1 4 2 2



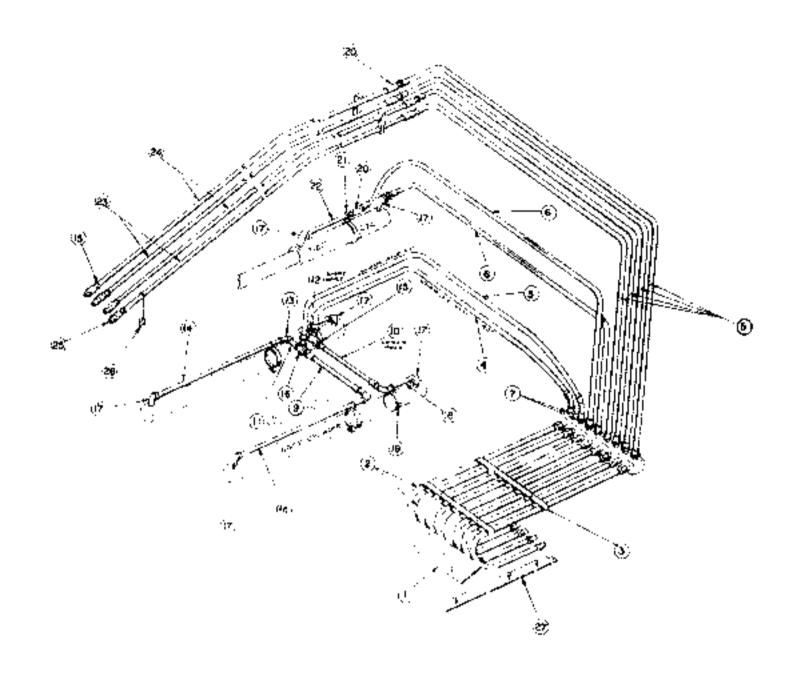
HYDRAULIC SYSTEM ASSIY. (JUNCTION BLOCK TO LIFT ARM)

1132 -60-

HYDRAUEIC SYSTEM MODEL 7C2-31' NO. 11,313

M3T1 .00	PART NO.	<u> PESCRIPTION</u>	NQ. REQ.
ì	P-11538	Hose	6
1 2 3 4 5 5 7 8 9	P-!1299	Hose	6 2 1 1 2 2 4 1
3	1149	Hose Strap	2
4	P-11505	Hose	1
5	P-11506	Has e	1
5	P-10292	Hose	2
7	P-12969	Fitting	2
8	P-11319	Hose	4
. 2	0-11541	Kose	
10	P-11008	Rose	1
11	P-10794	Kipple	1
12 13	P-!0884	Kipple	3
13	P-10225	Elbow	5
14	N-10272	Pipe, 3/8 x 46"	2
16	P-10120	Reducing Bushing	8
16	P-10107	Tee	2
17	P-10117	Street EI:	4
10	P-10868	Pipe	2
19	563	Cylinder Pipe Clamp	4
20	P-13328	Caupling	5
21 22	613	Cylinder Pipa Clamp	ļ
23	N-10279	Pipe, 3/8 % Str. x 11"	1
24	N-10153	Pipe, 3/8 X Str. x 16 Ft. 3 Inches	2
24	N-10152	Aipe, 3/8 X Str. x 16 Ft. 4 Inches	Z
25 28	P-11354 P-13516	Coupling, Female	4
27	11,155	Oust Cap	4
		Rose Support	
28	5511	Clamp	117528242451122441611
29 "A"	15109	Restrictor 3/32"]
30	14119	Junction Block Assy	1

REVISION E.C.O. NO. 1105



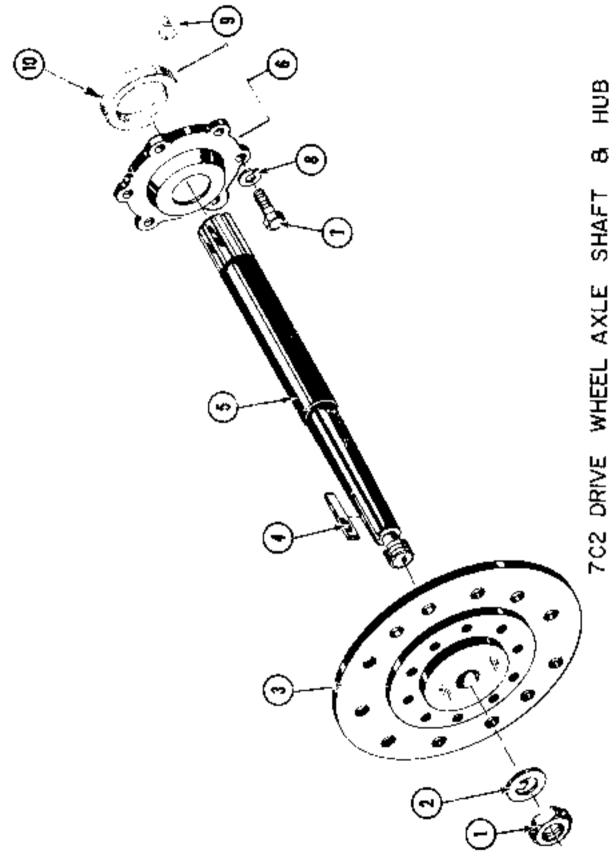
HYDRAULIC SYSTEM ASS'Y. (JUNCTION BLOCK TO) (LIFT ARM)

NO. 21,312

1138 -60-

EYDAAUGIC SYSTEM

ITEM	PART	DESCRIPTION	RE'Q.
191476789012365671145577 1112365671145577	F-11536 :-11259 1119 F-11639 F-11639 F-11639 F-11639 F-10325 N-10325 N-10327 N-1032	Nose hose Hore Strac lose Anse Hose Hose Hose Nippis Nippi	

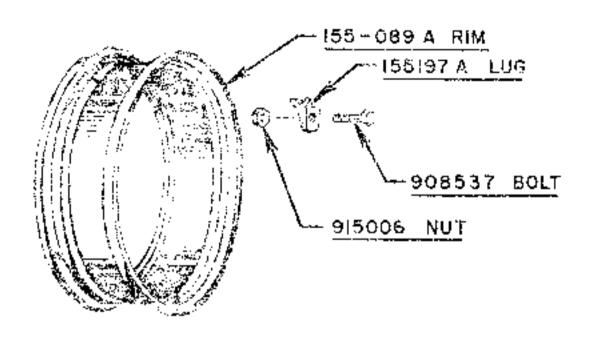


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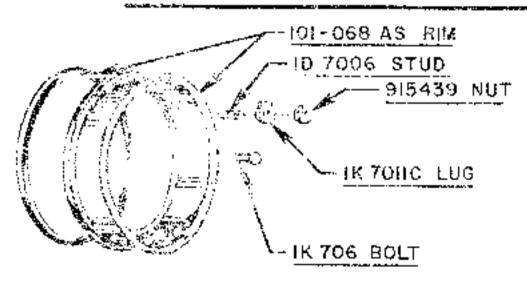


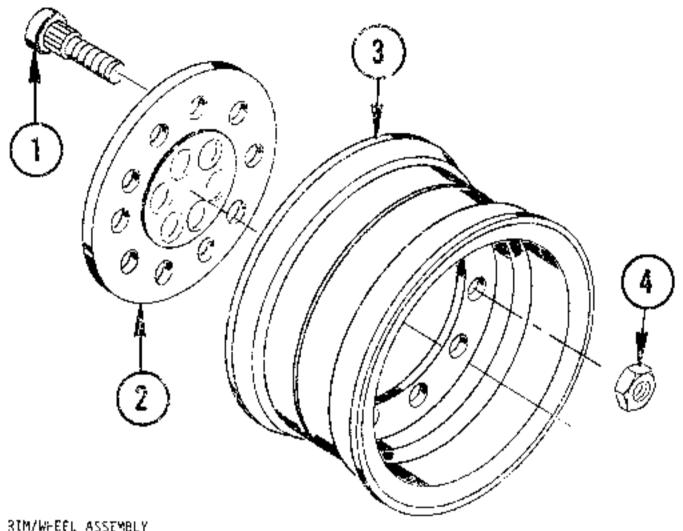
702 00.17% WHESE AXLE SHAFT AND WHESE AXLE SHAFT AND WHESE AXLE SHAFT AND WHESE AXLE SHAFT AND I KATII I KATII Linckwasher I Linckwasher Rey Axle Shaft Cap Axle Shaft Cap Supseriew Sup	REF.	PART NO.	DESCRIPTION	REQ.
2 IX1449 Linckwasher 1			, , , , ,	
		IX1449 155-200A 161451 166-418A 1X3701A 908373 925-083 939017	Lockwasher Wheel Key Axie Shaft Cap Capscrew Lockwasher Grease Fitting]]]]

DRIVE WHEEL RIMS



STEERING WHEEL RIMS

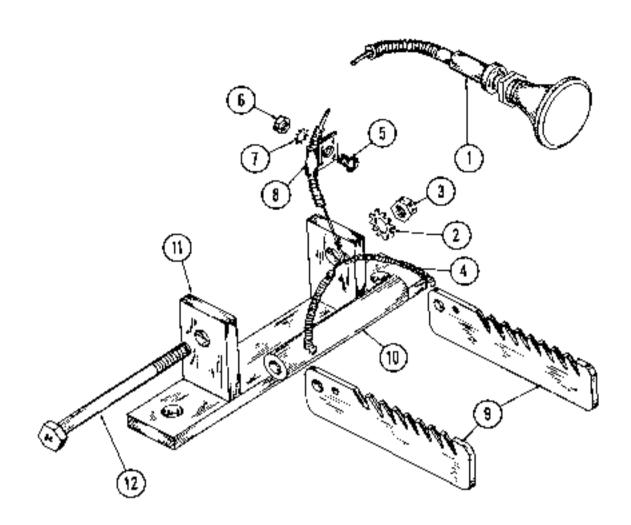




RIM/WHEEL ASSEMBLY (HIGH-FLOTATION TIRE) NO. 11,564

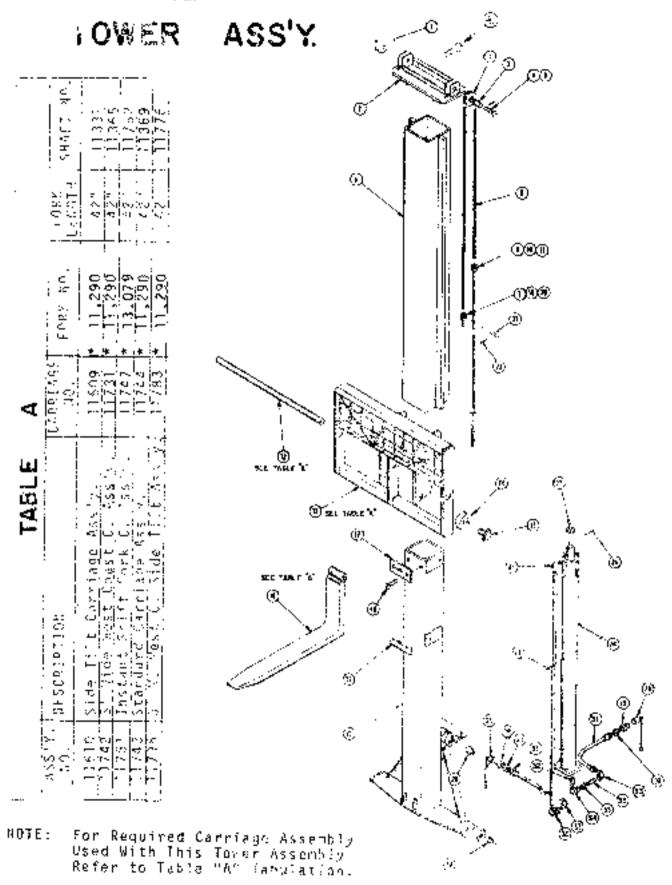
17EM NO.	PART ASSEMBLY NO. NO.	<u>DESCRIPTION</u>	NO. <u>REQ</u> .
1	153006-A	Styd	10
2	167256-A	Whool Conter	1
3	164309-A	High-Flocation Rim	t
4	155307-A	Nut	10

-63-



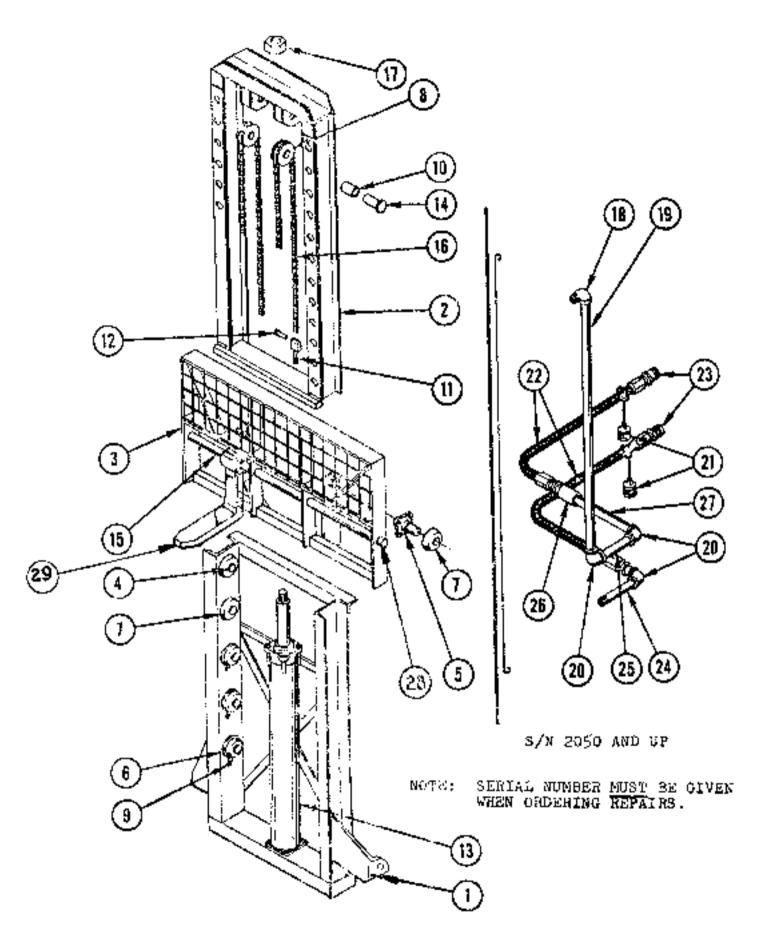
$\frac{NO.}{NO.}$	PART NO.	ASSEMBLY NO.	DESCRIPTION OF PART	NO. REQ.
1	P10007		Control Cable	ŗ
5	Coml. Coml.	j	Shakeproof Washer 5/16" Nex. Jam Nut 5/16"-15 NG	ì
<u>Ú</u>	210008	;	Spring	i
5	Coml. Coml.		Serew 10-24 NC x 1/2" Dg. Hex. Nut 10-24 NC	1
7	Caril.		Lock Washer 3/20"	1
å	P10009		Clamp, Cable	ž
9	7152		Brake Podal Stop	2
10 11	7395 7396		Pipe Spader Brako Qock Bracket	Ţ
12	Coml.		Hex. Cap Scraw 5/16"-18 NC x 3-3/4"	î

PQ 1265



1:33

:1353 : 102	$\frac{g_{i}(Q_{i}^{\alpha})}{G_{i}(Q_{i})}$	ASSEMBLY NO	<u>DESCRIPȚI</u> ON	NO. REQ.
	7203 7275 7275 7275 7203-53 72	NG.,	Chain Pulley Chain Pulley Bracket Rushing Pin Chain Chain Chain Link Chain Anchor Cotter Pin 3/16" Dla. x 1 3/4" long Yoke Weldment Washer, Starlock 1/2 Rex Nut 1/2 N.F. Shaft Carriage Roller Spindle Upright Frame Bronze Wear Plate Forx Hex Nut 5/8 N.F. Washer, Starlock 5/8 Anchor Pin Chtter Pin 1/16 Dia. x 3/4" Finished Hex Castle Nut 1" N.F. Cotter Pin 1/8 Dia. x 2" Long Street Ell Gylinder Assembly (Page 58) Pipe Pust Cap Coupling (Male) Reducing Bushing Hose Wipple	
12 32 33 34 34 44 44 44 44 44 44 44 44 44 44	P-10225 P-10225 P-10225 P-10225 P-10117 7330 6974 COVIL P-12517		Elbaw Elbaw Biowle Elbaw Biowle Buising Eussing Slotted Flatroad Capscrew 1/2 NC x T Capscrew	1 2 2



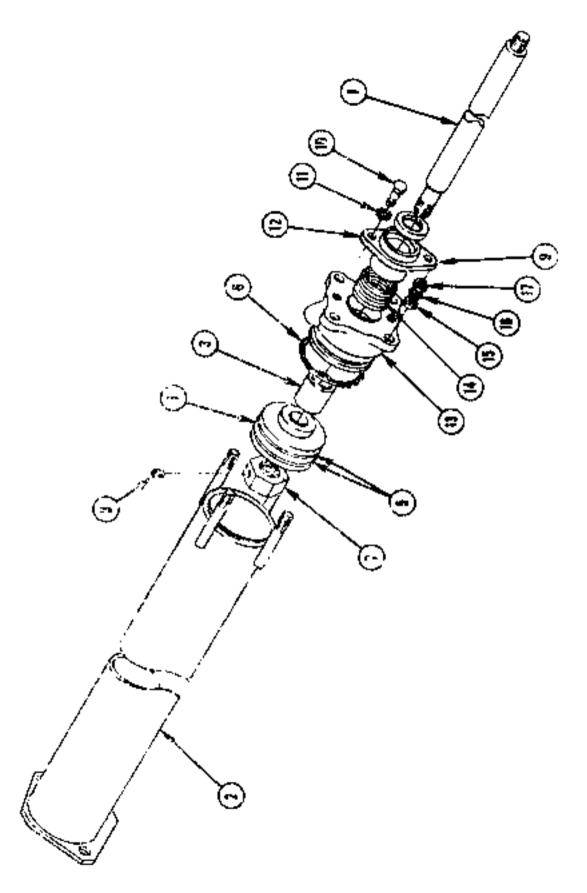
TELESCOPIC TOWER 11,293

1137 66

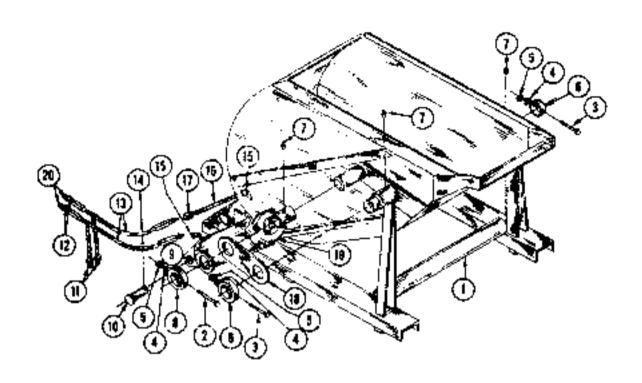
LULL ENGINEERING COMPANY, INC. 3045 HIGHWAY 13, ST. PAUL, MINNESOTA 55121 TELESCOPIC TOWER ASSEMBLY NO. 11,293 S/N 2050 & UP

HO.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
,	11,056		Upright Frame	ı
2 3	7833		Yoke	1
3	1479		Special Wide West Coast Carriage	ì
	11,367		Carriage, Side Tilt	1
A.	7618		Frame, Spindle	10
5	11,387		Carriage, Spindle	4
5 6 7 8 9 10	7033		Flange, Roller	4 8 8 2 4 4
7	7034		Plain Roller	8
8	7203		Chain Pulley	2
9	7151		Roller Clip	8
	7214		Bushing	2
11	7207		Chain Anchor	4
12	7078		Chain Anchor Pin	4
1.3	8336		Cylinder Assembly (Page 68)	
] 4	7075		Chain Pulley Pin	2 1
3.5	11,363		Fork Tine Shaft	1
- 16	P-11649		Chain	2
17	222		Special Nut	1
18	P-30111		Street £11	1
19	N-10045		Pipe	Ť
0.0	P-10227		£1bow	1 3 2 2 2
31 22	P-10325		Dust Cap	2
22	P-10395		Hose	2
23	P-10324		Male Tip	2
24	P-10283		Nipple	1
25	P-102B2		Nipple	j
26	P-10260		Counling	1
27	P-10394		Nipple	1
28	COM, F		Cotter Pin, 3/8 Dia. x 2 1/2"	2 2
29	13,279		Forks	2

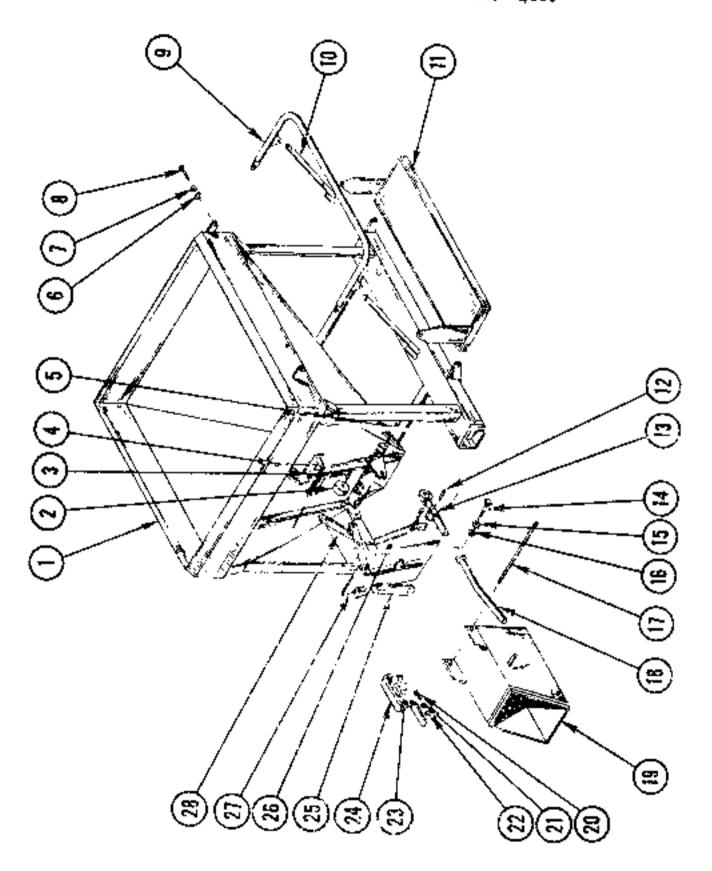
LULE ENGINEERING COMPANY, INC. 3045 HIGHWAY 13 ST. PAUL, MINNESSTA 55111



11EM	7ART	DESCRIPTION	NO.
. N.D.	NO.		REQ.
12 34 45 55 89 90 11 13 14 15	6963 6961 M-:0204 550 P-11292 P-11292 COME. F-10300 COME. COME. COME. 1023 1234 P-10305 COME.	Pision Rod Cylinder Tube Spacer Piston Piston Ring Assembly C-Bing Special Mut Sectoral, 174 MC x 378 Cub Put Aluzure Chostrow, 378 NC x 3 Space moof Washer, 378° Cland Cylinder Head V-Packing Hei Mut, 77th an	1 2 1 2 1 1 2 2 1 1 1 4
) h	COME.	Spekepen of Was per, 7/16"	4
3.7		Jan Nut, 7/16 MF	4

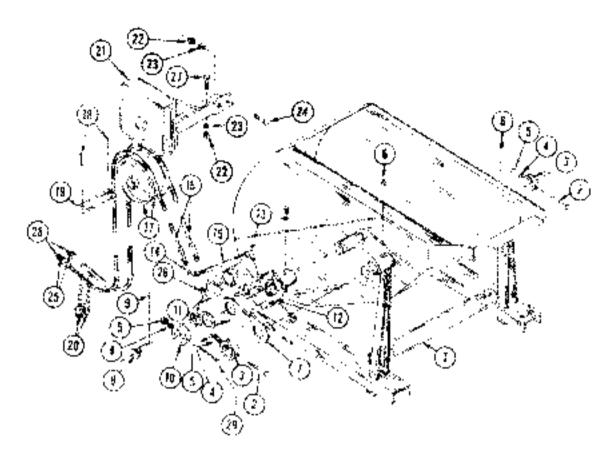


ITEM NO.	PART ASSEMBLY NO. NO.	DESCRIPTION	NO. REQ.
1	4080	Concrete Bucket & Frame Ass'y	1
2	COM'L	anscrew, 1/4-20 NC x 2 Nex	ì
3	COM'L	Capscrew, 1/4-20 NC x 2 1/4 Hex	2
q	COM'Ü	Washer, Shakeproof 1/4	3
5	COMIL	Nut, Hex 1/4-20 NC	3
6	7451	Costan. Bracket	5
7	COM'L	Zerk Fitting 7/8 Str.	3
8	7450	Collar	j
8	COMFL	Washer, 17 I.G.	As Req.
10	7452	Pin, Lower Pivot	1
ነነ	P-10325	Dust Cap. Male Tip	2
12	P-10120	Reducing Bushing	2
13	P-10327	Hose	2
7.4	COM'L	Catterpin, 5/32 x 1 1/2	1
t 5	P-10117	Street Elbow	2
16	N-10321	Pipe	1
17	P-10328	Coupling	1
18	7449	link, Cylinder Pivot	1
5.9	5980	Cylinder Assembly (Page 88)	1
20	P-11353	Male Tip-Quick Compler	2



CONCRATM HOPPER ASSEMBLY BC. 4100 MODEL S-A

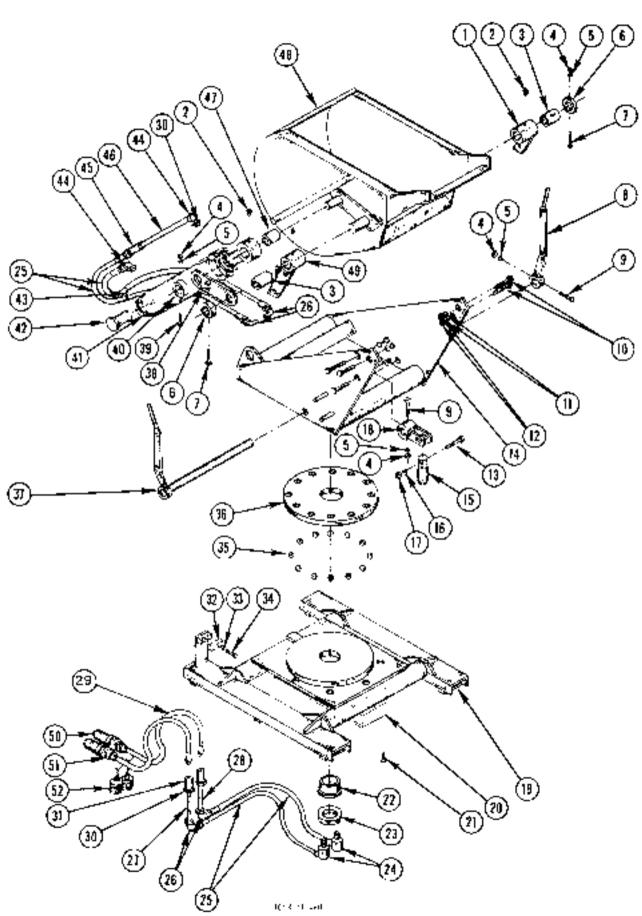
item Mo.	PART TO:	ASSEMBLY	DESCRIPTION	90. <u>200</u> .
1 2 3	4094 7934 7651 00015		Hopper Door Reller Pivet Pin Cotter Pin, 3/lo x 1 1/b	1 1 1 12
1 2 3 5 5 5 6 7 5	7626 00011 00011		Pivot Pin, Lower Jut, 3/8-16 NG Hax Shakepsoof Magner, 3/3	1000010
9 10 11	606 5 7335 7333 7333		Capacrew, 3/8-16 HC x 1 Hex Hd Hand Hail Aupport Bar Platform	1 2 1
12 1) 1) 15 16	7631 7675 00872 00872		Plyot Fin Lower Handle Capscrew, 1/4-20 NC x I 3/4 Hex Hd. Shakeproof Washer, 1/4	1 2
16 17 15 15	001114 7633 7663 7662		Nut, 1/1:-20 NO Hex Pivet Pin. Chute Randle Chuto	2 1 1
20 21 22	00M1., 00M15 00M15		Capacrow, 1/H-20 MC x 3/4 Hex Md. Shakeproof Washer 1/4 Nut 1/4-20 MC Hex	2 1 1
23 23 25 26	7510 7354 7631 7627		Stiffce*. Spring Spring Catch Door Line Hand Laver Line	1 1 1
27 23	7664 766 9		Door Hand Laver	i i



	26.0° - 80.1	ABSEMBLY NO.	BERRIETION .	1274 1274 1274
Ξ	3,480°		Concrete Bucket & France	:
E 200 G 100	Coml		неристем, 174-20 МС к и 176 Нах	20
•	$f(i) \supset k$		dominator .	
C C	Comit		Washur, 1/2 Shakeeroof	:
:	៊ីលការ៉េ		Not, 1/4-20 NC Hox	5
÷.	700.7		Zaria Pitentegri (178 Steadoù	4
•	$D_D \mathcal{O}_{\mathcal{F}}$		Associated winds	i
5	7.52		nta, tuwun diyab	
	Comit		Problemating of B x 3 and	
10	74.50		654 04 v	•
•	Comi			 Gentling
		C., .	Cyliador el reduy (desen las	į
2.7	1994		12 reconstitution	
44	$z = \{1, \dots, n\}$		* Eq. (:
617	R_{BG} : S		;· ·	:
1.5	-2479566	?	!	:
1.7	7673		griles	2
15 17 18 18	Comit		At Assoso, Wax L W2	27
7.5	7377		in, final dulley	1
	9.039	5	Bubly Man Mala Tip	<u>:</u>

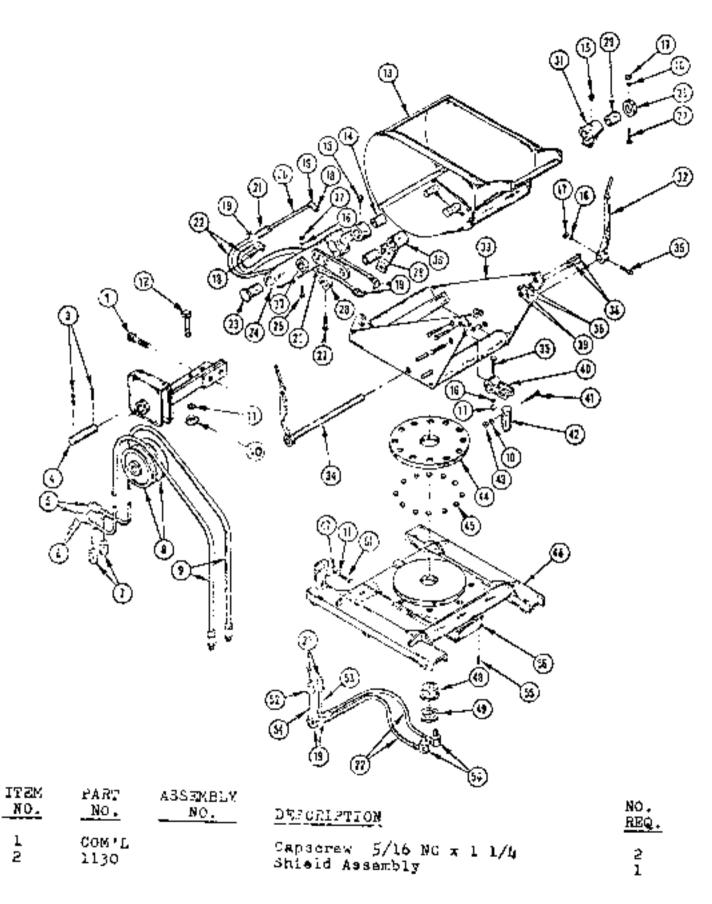
CONCRETE BUCKET ASSEMBLY (TELESCOPIC TOWER) (C2+3)** NO. 4078

17EM 90.	PART _NO.	DESCRIPTION	NO. REQ.
21	10.30	Shield	1
22	COM LE	Not, 5/16-18 NC Hex	4
83	COMIL	Lockwasher, 5/16	5
24	00415	Capscrew. 5/16-18 NC x 1 1/4 Hex	2
25	P-19120	Reducing Bushing	2
25	2-10119	Street Elbow	1
27	COMIT	Capsonew, 5/16 x 1 Nex Hd.	,
28	F-11353	Male Tip-Quick Coupler	2
29	COMIL	Сарастем, 1/4-20 № х 2 нех	ì

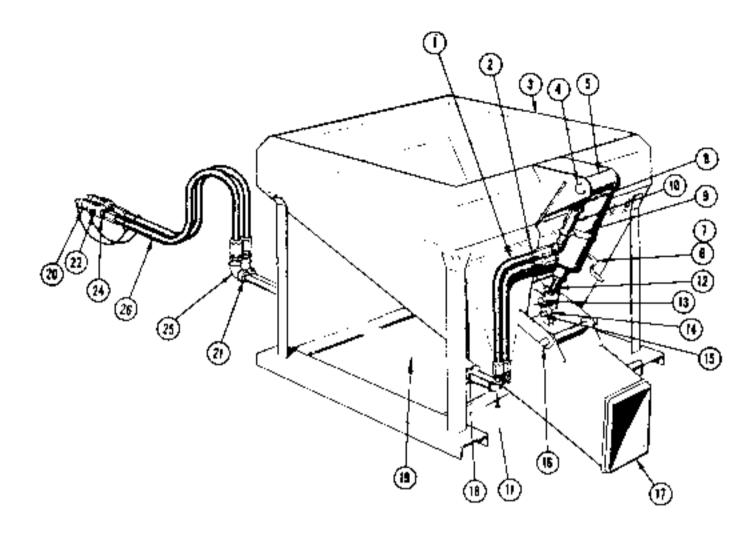


TEM NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 28 29 30 31 31 32 33 34 35 36 37 38 38 38 38 38 38 38 38 38 38	PART NO. 7766 COM'L 7774 COM'L 7777 COM'L 7781 4069 7788 COM'L 7781 4069 7788 COM'L 7781 4069 7788 COM'L 7781 40780 P-10157 P-10328 7778-2 COM'L COM'L P-11344 7783 7779 7449 COM'L	DESCRIPTION Pivot Bracket Zerk Fitting, 1/B Straight Sushing Nut, 1/4-20 NC Hex Washer, Shakeproof 1/4 Collar Capscrew, 1/4-20 NC x 2 1/4 Hex Lever Capscrew, 1/2-33 NC x 1 3/4 Hex Washer, Shakeproof 1/2 Nut, 1/2-13 NC Hex Jam Capscrew, 5/16-18 x 2 Hex Upper Frame Lock Pin Nut, 5/16-18 NC Hex Jam Lock Pin Lever Base Hose Guard Capscrew, 3/8-16 NC x 3/4 Ft. Hc. Bushing Nut, Special Swivel Hase Elbow Miople Nipple Hose Reducing Bushing Coupling Clamo Nasher, Shakeproof 5/16 Capscrew, 5/15-18 NC x 1 1/4 Hex Hall Ball Retainer Lever Link Capscrew, 1/4-20 NC x 2 Hex	NO. REQ. 1424422125551111111114312441122211121111111111
32	7773-2	Clamo	1 1
33	COMIL	Washer, Shakeproof 5/16	
35	P-11344	Hall	_
36	7783	Ball Retainer	
38	7449	Link Capscrew, 1/4-20 NC x 2 Hex Collar	1 1 1
41	5980	Cylinder Assembly (Page 88)	1
42	7452	Pin	
43	COM'L	Cotterpin, 5/32 × 2	
44 45 46	P-10157 P-10423 N-10005	Street Elbow Coupling Pipe	2 1 1 1 (Ref)
47	7610	Bushing	1 2 2 2
48	7763	Bucket	
49	7775	Pivot Bracket	
50	P-11353	Male Tip-Quick Coupler	
51	P-10120	Reducing Bushing	
52	P-10325	Dust Cap (Male Tip)	

SWIVEL CONCRETE BUCKET THIRSCOPE C TOWER NO. 4070

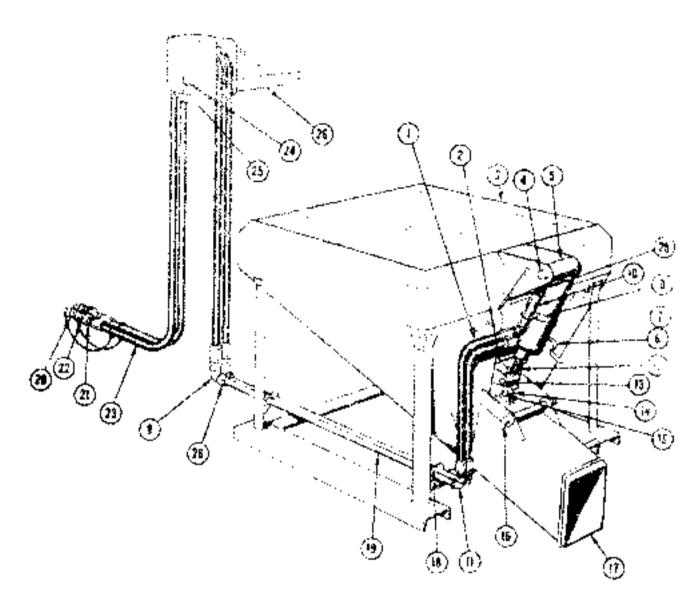


TTEN	2.5 5 T		ħO.
	TO. STATE	BESCRIPTION	<u> 819.</u>
NO. 3 5 5 7 8 9	10MTL 7377	Cotterois, 1/8 x 1 :/2 Pin	<u> 2</u>
5	F-11353	Male Tip Quick Couple/	:
g	P-10120	Reducing Bushing	4
7	P-70325 7473	Dust Cap Male lip Pulley	2 2 2 2 2 2 2 3
9	P-10322	Hosa	2
(0)	EQM ¹ 2	Nut, 5/16-18 N.C. Hex	2
	00%15	Lockwaster. 5/16	2
(2 -3	€0M12 7763	Capsonew, 5/16-18 NC x 1" Losg Bucket	2
i 1	7613	Bussing	Ret.
1.5	' MOD	Zerk fitting	3
16	COM ¹ U	Washer, Shakeoroof 1/4	3
1.1 18	00M*L P-10591	Nut, Hex 1/4-26 NC Reducing Bushing	:
14	P-10152	Street :Toow	ž 1
26	8-10005	Pice	
"[P-10328 P-10186	Coupiing Hase	3 4
::	7452	Pin	i
23 25 25 27	5980	Cylinder Assembly (Page 98)	ī
23	COM10	Capsoner, 171-20 NO x 2 Hez	
67 3 :	7449 COM1:	Link Capsurew, 1/4-20 NC x 2 1/4 Hex	;
73	7451	Collan	: :: 2
29	2774	Bithing	2
3 I 3 I	7775 7776	P∙vot Bracket Pivot Grantel	i
52	7777	Pano Lover	į
1.5	7778	Logiek Erame	;
3	7776 2000	miss Liver	j
5.: 11,	COMPLETED	Capsones, 174-20 30 x 1 374 dex Capsones, 177-73 80 x 1 179 992	í.
	7450	tu-hac	i
38	0(841).	Parker, 198 Laseva bot	
37 1-	교육시 : - 기교(And the Fill William Cambridge Community	9
A Comment	ċa#1.	- Copyromeny 5-15 18 U.S In ord	i
4.3	1788	Cu-R Fin	1
10 20	C(35) _ 2.7 o :	Nati 5/26-25 NO 26x 30s]
43 43	7783 0-119 44	Sair Ectainer Sull, Stepi	: 2
43 43 47	4069	Sale	i
4.7	7773+2	ing in the second of the secon	į
46 46	7704 7785	Bussing Mat, Special	!
50	P-10160	Swive: Fisting	ż
51	COMPL	- Lapserew, 6/10/10 NO x 1/1/4 Head	1
52 53	9-10691 2-10780	Pedicing Bushing	2
5 5 5 4	2-1078i	Mispie Nippie	į
55	COM'E	Capscrew, 3/8-16 NC x 3/4 Ft. Nd.	ė
56	7789	hose Guard	1
		- 703-	8



NO.	NO.	ASSEMBLY	DESCRIPTION	NO. REQ.
1 2 3 4 5 6 7 8 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P-11045 7801 4084 7736 7354 7510 P-10157 7803 N-10006 P-10152 7761 7746 7634 7651 7639 7662 7773-2 N-10007 P-10325	5978	Hose Door Hopper Shaft Cylinder Ass'y (Page 108) Spring Catch Stiffener Street Elbow Pipe Clamp Pipe Elbow Adjustable Boss Shaft Roller Shaft Chute Clamp Pipe 1/L" x 38" Dust Cap	2 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2

CORRTA HOPPER ASSLY 707-3119t. Righ 1.50 No. 4006



155.25 <u>- 166</u> 2	23.27 80.	800 -013L. Selection	5 <u>5</u> 500 :: :::::::::::::::::::::::::::::::	80. 8 % 년
ı	211049		J'ase	£.
2	7801		Dear	l
,	4085		Bosper	<u>1</u>
Ĺι	7738		នាក់នៅដ	ì
245562		57.770	Cylinder Azmambly (Paga 1981	1
5	7354		Spuring Carob	ï
	7510		Stiffenor	ī
8	P10225		Elbow	2
9	7803		Բլրե նլերգ	1
10	N19696		ctpa	÷
11	P10152		Bibou	3
: 2	7761		എന്നുകളുക്കിക Hosa	Η ≎f •

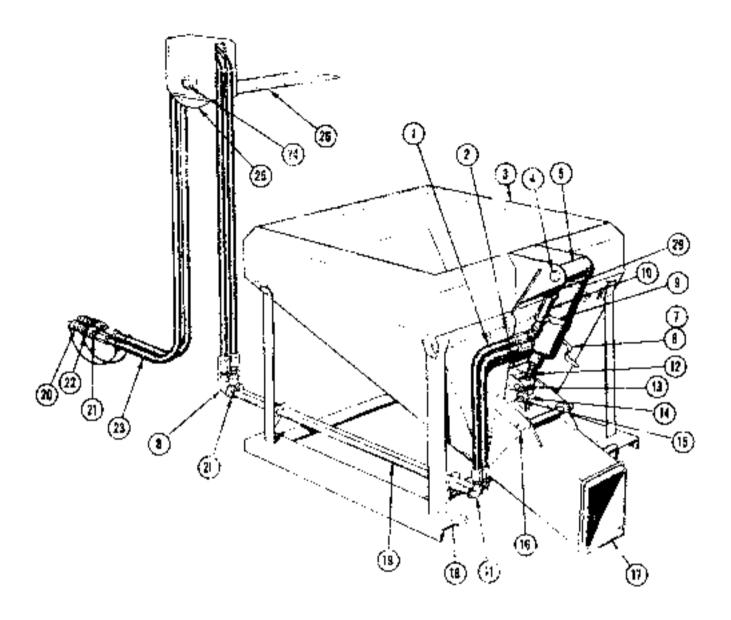
849 -108-

CONCRETE HOPPER ASSEMBLY 702-31: HEBH-LIFT LOADER NO. 4086

115% <u>NO.</u>	PART _80.	DESCRIPTION	 1 <u>188</u>
14 15 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	7746 7634 7639 7662 7773-2 6-10607 P-10325 P-20129 P-31363 F-10322 7377 7473	Shaft Roller Snaft Shaft Chute Clump P:pe Bust Cap Reducer Male Tip Huse Shaft Pulley Shield	1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
27 28 20	P-10691 P-10!57	Reducer Street Ell	<i>2</i> 1

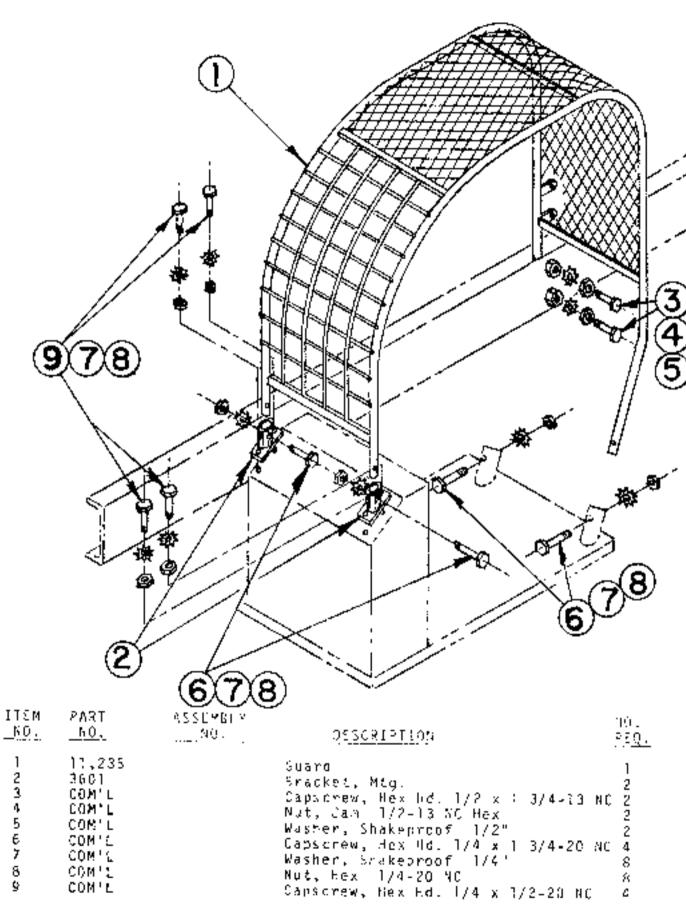
LULL ENGINEERING COMPLY, INC 3045 GIOEWAY 13. ST. PAUL 11, MINNESOTA

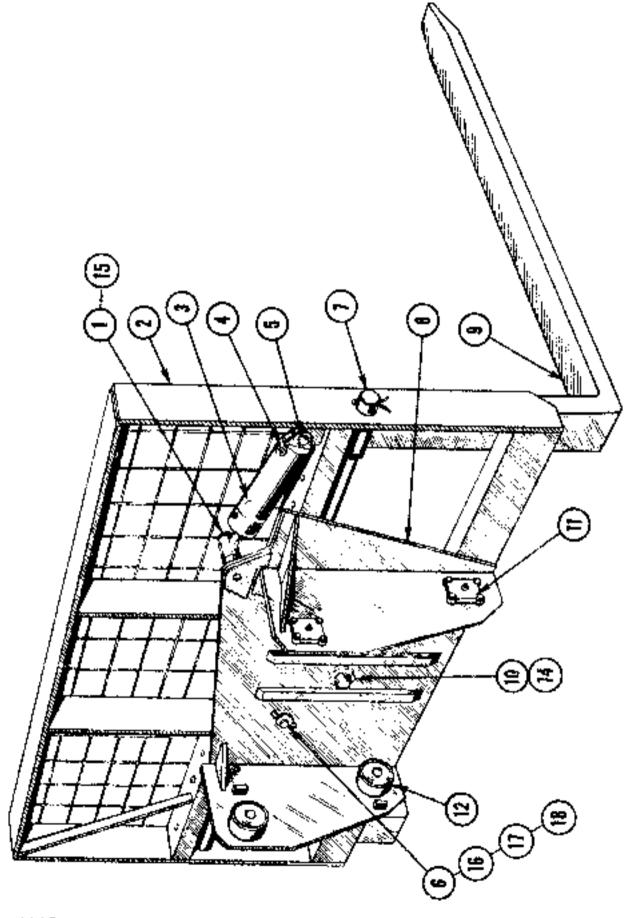
CONCRETE HOPPER ASSIY
TELESCOPIC TOWER YOR-LOT
NO. 4067



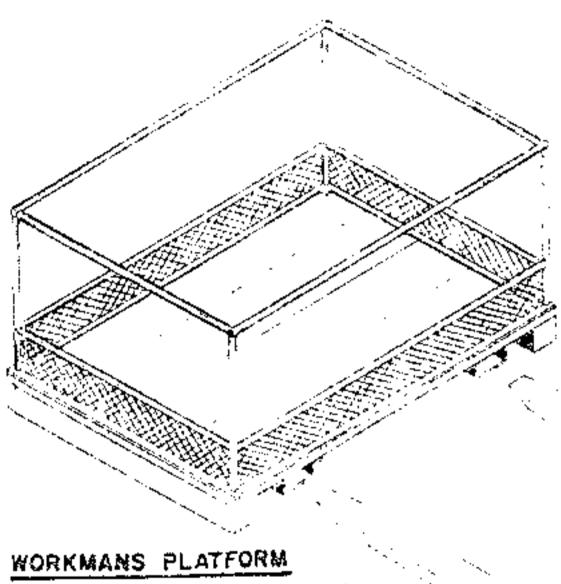
1176 20.	PART No.	40330.BUY NO	JR 10:07 PT 103	$\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2}$
2	P-110%		No. of the Control of	2.
-	/SGI		Door	1
•	80 6 6		Robber Welshent	l
i.	7735		General Control	1
i .		59 78	Cylinder Assig (Page 195)	1
6	7.354		Saring dotch	1
7	7510		353 flemen	1
5	2-15229		Sloce	2
\mathbf{G}	7603		ribe Clarn	1

ITEM	PART	DESCRIPTION	₹ .
10 12 13 14 15 16 17 19 20 20 20 20 20 20 20 20 20 20 20 20 20	N-10066 P-10152 7761 7761 7634 7639 7639 7632 N-10324 P-10324 P-10467 7377 7473 8055 7561 P-10491 P-10157	Firsting Boss Sheft roller Shaft Sheft Chute Clemp Pipe Dust Cap Reducer Nels Tip Hose Shaft Pulley Shield Assiy Spacer Reducer Elbor	- HUMBER HV RV





IOEM No.	PART NO.	ASSEMBLY NO.	DESCRIPTION	ио. <u>REQ.</u>
ì	1170		Collar	1
2	11,286		Carriago, (Outer)	1
3		6320	Cylinder Assembly (Page 124)	1
4	1179		Hydraulic System	t
5	6429		Pin	1
6	10,180		Washer	2
7	11, 331		Sheft	1
8	11,279		Carriage, (Inner)	1
4	11,290		Fora Tine 4"	2
10	6326		Washer	1
li	11,272		Spindle	I_{\parallel}
12	6860		Roller	ų.
13				
14	11,276		Pin	1
15	4273		Pin	1
16	COMIL		Not, 7/8-9 NC	2
1 7	$GOM_{4}\mathcal{D}$		Bolt. 7/8-9 NC x 2 1/4 long	2
18	COMIL		Wesher, Shakeproof 7/8	8

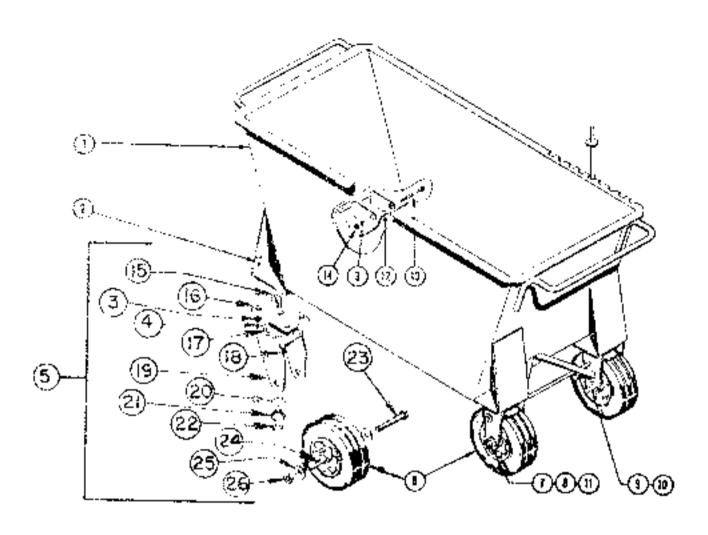


NO 7813 - TO FIT 4 INC 4 FORK TINE

NO. 4206 -- TO FIT 5 INCH FORK TIME

ACUS SECTIONAL COMPANY, INC. 1986 Signmany 13, ST. PAUL Minnesota 55121

00NERAL ASSEMBLY 7 1/2 00, PT. NOB 18:11 NO. 575 (20" WIDE)

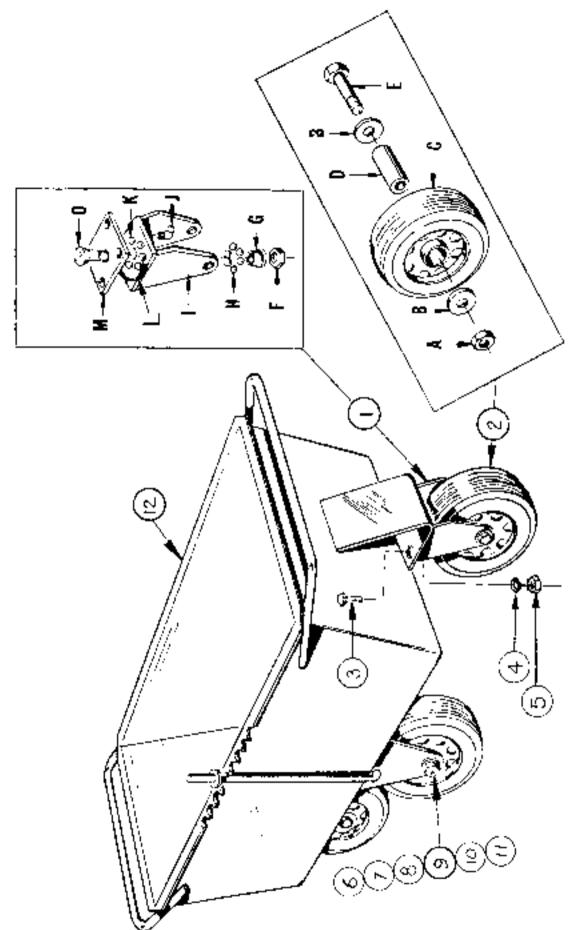


STEM	923Υ	7688751Y	<u>SESCRIPTION</u>	MG.
SEL	50.	^M / ₂		<u>Reg.</u>
10345570901010	573 008(1) 009(1) 009(1) 0-19307 0-19307 0-11419 008(1) 008(1) 008(1) 008(1) 008(1)		Hod Daggy Captorew, 3/8-15 hC x Hex Pd. Nisten, 3/8-16 NC Her Lat. 3/8-16 NC Her Castor Preembly (Less Wheel) Wheel Boncor System Wather Wather Wather, 5/16 Shakebroof Vut, 5/76-18 NC x 4 1/4 Wheel Look Capscrew, 5/16-18 NC x 5 Jam Nut, 3/8-16 NC	* 39 P. 224 24 222 1 11 1

1961 EMBINSERING COMPANY, INC. 3045 BIGHWAY 13 51. PAGE, MINNESOTA 55721

GEMERAL ASSEMBLY MO. 578

	MART MOL	ASSEMBLY NO.	DESCRIPTION
`5	:-12332		Capscrew
15	P-12333		Top Flate
1.7	r-12334		Raîl Bezriro, 19 Required
18	$\mu_{\rm m} 1.23335$		Drive Zerk
19	P=12340		Fork
2.0	8-12341		Ball Searing, 13 Required
21	0-19368		Cone
: 2	P-12043		Nut, Slotted
0.3	P-12336		Carachem
2 €	u-j338		Dysum.
78	P+12329		Masher, 2 Requir ed
26	P-12338		Nut, Slotted



HOD BUGGY IOA TWISTER

ITEM NO.	PART NO.	ASSEMBLY NO.	DESCRIPTION	NO. REQ.
	ho. P-12980 P-12343 P-12341 P-12340 P-12339 P-12334 P-12333 P-12333 P-12338 P-12338 P-12336 P-12336 P-12335 COM'L COM'L COM'L COM'L P-12337 M-10051 P-11412		Caster Assembly Nut Cone Ball Bearing Fork Crive Zerk Ball Srease Retainer Top Flate Capscrew Wheel Assembly Nut Washer Wheel Spacer Capscrew Capsc	REQ. 2 1 13 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1
9 10 11 12	00M'L 00M'L 00M'L 1590		Washer, Shakeproof 5/15" Nut, Hex 5/16-18 NC Capscrew, Hex Head 5/16-18 NC x 4 1/ Sody	

The parts information in this publication is based on data available at the time it was printed. Because of continual improvement and advancing product design, your vehicle may not be identical to the parts information shown. Whenever there is a question, obtain the latest parts information available from your local dealer. JLG Industries, Inc. continually updates these publications electronically within our *OnLine Services*.



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- Reduces processing time for warranty claims.

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- Identify parts using graphical parts manuals.
- Enter orders using part numbers, or order by selecting from graphical parts manuals.
- Review order status.
- Review invoices and credits.
- Review shipping information.
- Submit warranty claims

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Model No.	
Serial No.	



CORPORATE OFFICE JLG INDUSTRIES, INC.

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