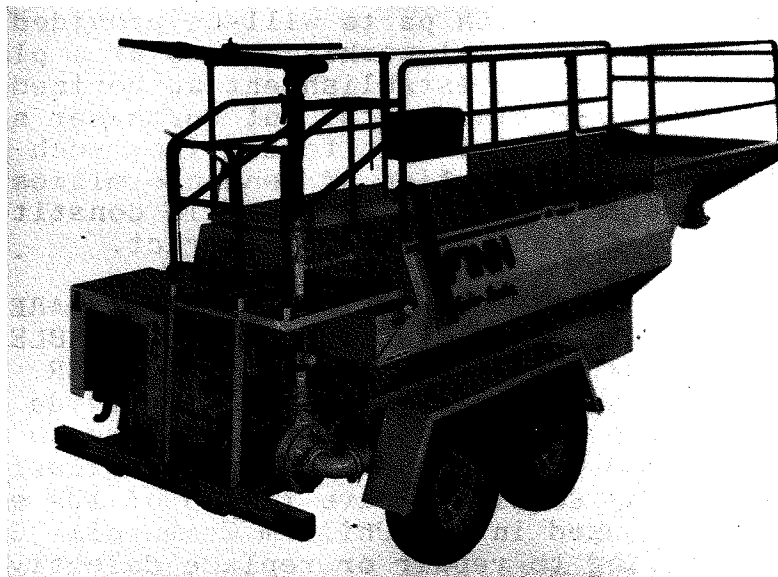


FINN

CORPORATION



Hydroseeder

PARTS MANUAL

T90

MODEL NO T120 SERIAL NO. RSA

W A R R A N T Y

Finn warrants to the original Purchaser for use (or rental to others for use) all new construction machinery and attachments therefore manufactured by Finn to be free from defects in material and workmanship for a period of 12 months from date of purchase or 1200 hours of use, whichever comes first. Replacement parts provided under the terms of this warranty are warranted for the remainder of the warranty period applicable to the product in which installed, as if such parts were original components of that product. Finn makes no warranty with respect to (a) allied equipment or trade accessories not manufactured by it (such as, but not limited to tires, ignitions, starters, batteries, magnetos, carburetors, engines or like or unlike equipment or accessories), such being subject to the warranty, if any, provided by their respective manufacturers; or (b) second-hand, used, altered, or rebuilt machines. THE WARRANTY DESCRIBED IN THIS PARAGRAPH SHALL BE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Upon notification of Finn within the above-stated warranty period of any failure to conform to this warranty, and upon inspection by Finn to verify said nonconformity and to verify the continuing existence of the warranty period, Finn will provide a new part or a repaired part, whichever Finn elects, to replace the part found to be defective. Such parts will be provided without charge to the Purchaser during normal working hours at a place of business of a Finn dealer or other establishment authorized by Finn to effect said repairs or replacements, but Purchaser shall bear all costs of transporting the product to and from such place of business or establishment. Correction of nonconformities, in the manner and for the period time provided above, shall constitute fulfillment of all liabilities of Finn under this contract.

THE REMEDIES OF THE USER SET FORTH HEREIN ARE EXCLUSIVE, WITHOUT REGARD TO WHETHER ANY DEFECT WAS DISCOVERABLE OR LATENT AT THE TIME OF DELIVERY OF THE PRODUCT TO THE PURCHASER. The essential purpose of this exclusive remedy shall be to provide the Purchaser with repair or replacement of parts that prove to be defective within the period and under the conditions previously set forth. This exclusive remedy shall not have failed of its essential purpose (as that term is used in the Uniform Commercial Code) provided Finn remains willing to repair or replace defective parts within a commercially reasonable time after it obtains actual knowledge of the existence of a particular defect.

IN NO EVENT SHALL FINN BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL OR INDIRECT DAMAGES, INCLUDING LOST PROFITS OR LOST COMMERCIAL OPPORTUNITIES, WITH RESPECT TO THE SALE OF THE ABOVE-WARRANTED PRODUCT OR ANYTHING DONE IN CONNECTION THEREWITH, OR FOR PROPERTY DAMAGE SUSTAINED BY A PERSON CLAIMING TO BE A THIRD-PARTY BENEFICIARY OF A SURVIVING WARRANTY UNDER THE LAW OF ANY JURISDICTION.

Effective October 1, 1989

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LUBRICATION INSTRUCTIONS

PRESSURE LUBRICATOR - SLURRY PUMP

Must be kept filled during operation. Check each time machine is started. Lack of attention will result in premature seal failure. Keep clean at all times. Use soda base grease.

END BEARINGS - AGITATOR

Grease at end of each day's operation using chassis lubricant.

VALVE LUBRICATION - DISCHARGE AND RECIRCULATION

Must be lubricated at end of each day's operation. Turn in valve stem plug two (2) full turns each night. When plug bottoms, remove and install a new stick of lubricant, a box of which is supplied with the machine.

CLUTCH

Check the oil level weekly (follow instructions in engine manual). Fill with engine oil. (Gas engine only)

ENGINE CRANK CASE

Change oil every 50 hours (follow instructions in engine manual).

AIR CLEANER

Check and clean weekly. More often if necessary. Check and clean center tube. Be sure air cleaner tube is connected to engine at all times. Clean pre-cleaner whenever dirty.

SLURRY PUMP

Grease pump bearings every 50 hours using chassis lubricant.
DO NOT OVERFILL.

OIL FILTER

Replace oil filter every 50 hours of operation (follow instructions in engine manual).

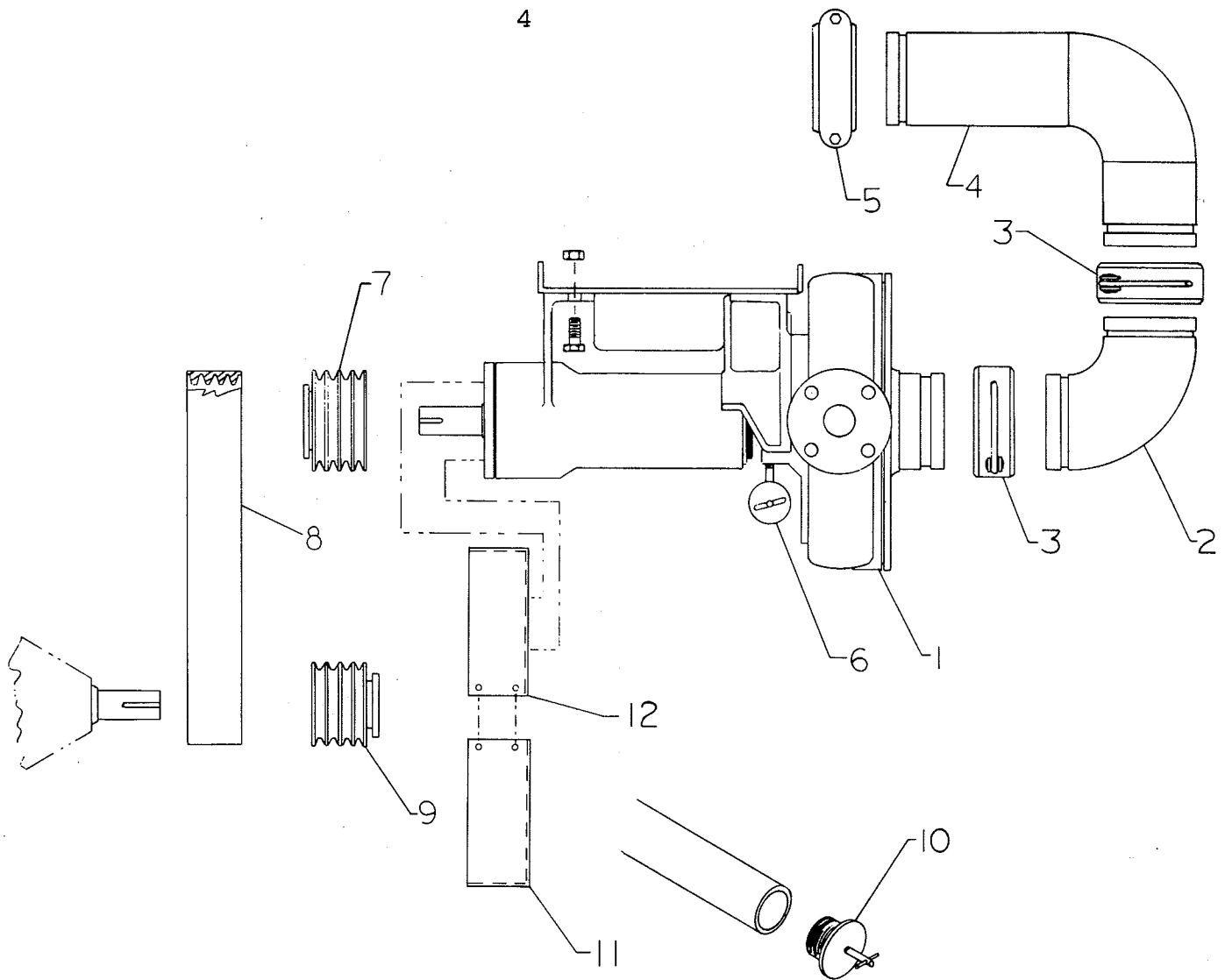
HYDRAULIC SYSTEM

Check fluid level - change oil and filter if milky or after 500 hours. Use Gulf 46AW, Mobile DTE25 or Shell Tellus 46.

TOOL KIT

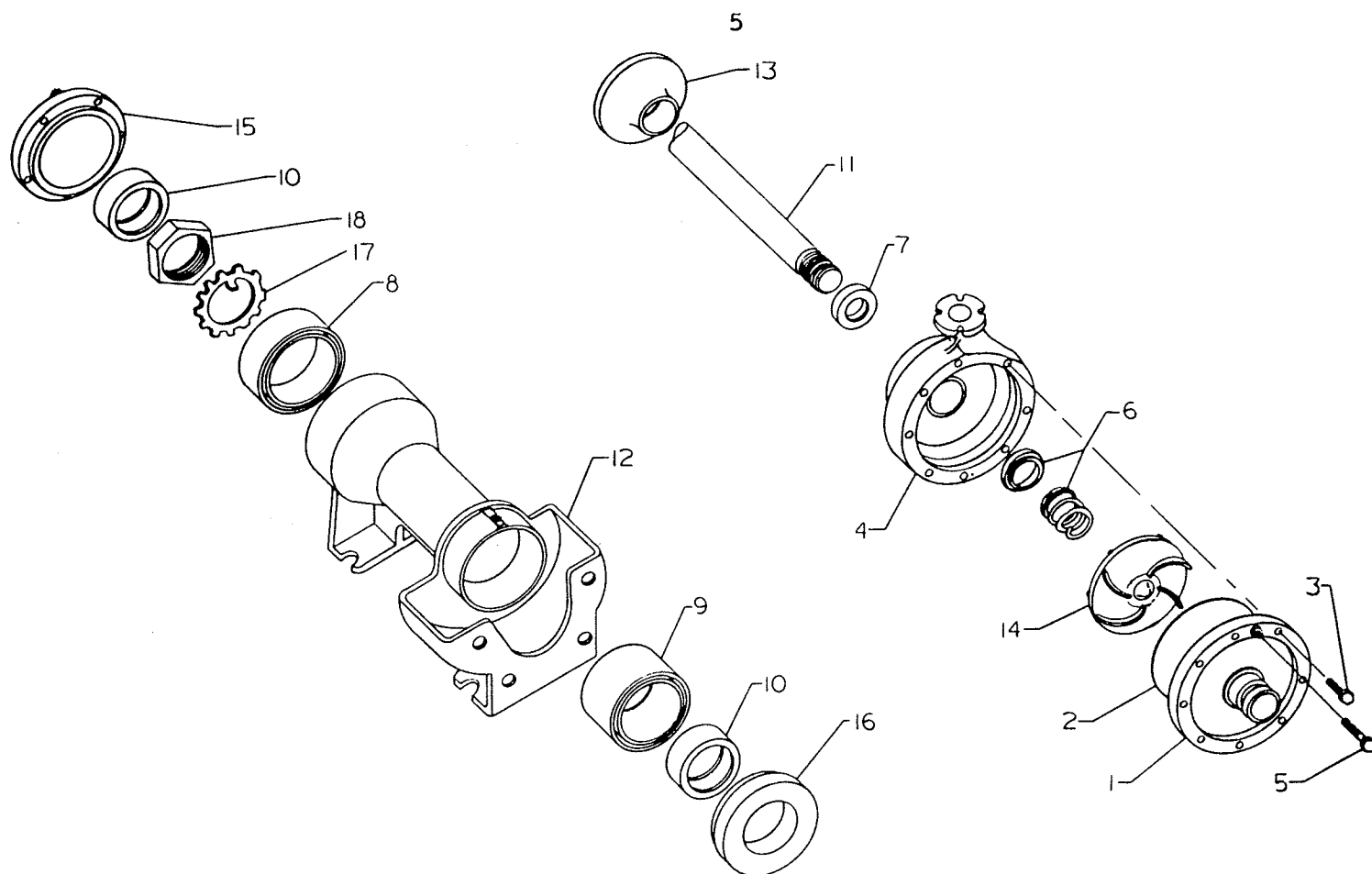
Part No.	Description	No. Req'd
008187	Nozzle, Long Distance	1
006632	Nozzle Assembly, Long Distance	1
	001042 Nozzle, Long Distance	1
	006512 Gasket	1
	006096 Coupling, Male	1
	160540 Nipple	1
	160763 Bushing	1
005224	Nozzle Assembly, Wide Ribbon	1
	004805 Nozzle, Wide Ribbon	1
	006096 Coupling, Male	1
	160761 Bushing	1
006622	Nozzle Assembly, Narrow Ribbon	1
	006605 Nozzle, Narrow Ribbon	1
	006096 Coupling, Male	1
	160761 Bushing	1
005220	Impeller Wrench	1
000698	Automatic Lubricator Grease	1
007469	Sticks, Discharge & Recir Vlv Lub	1
006514	Gasket, Coupler	
007596	Gauge (packed) (optional)	
005020	Gasoline Engine Manual	
005209	Diesel Engine Parts Manual	
	Parts & Instruction Manual	
	Operator's manual	

**WHEN ORDERING PARTS, BE SURE TO STATE
SERIAL NUMBER OF MACHINE**



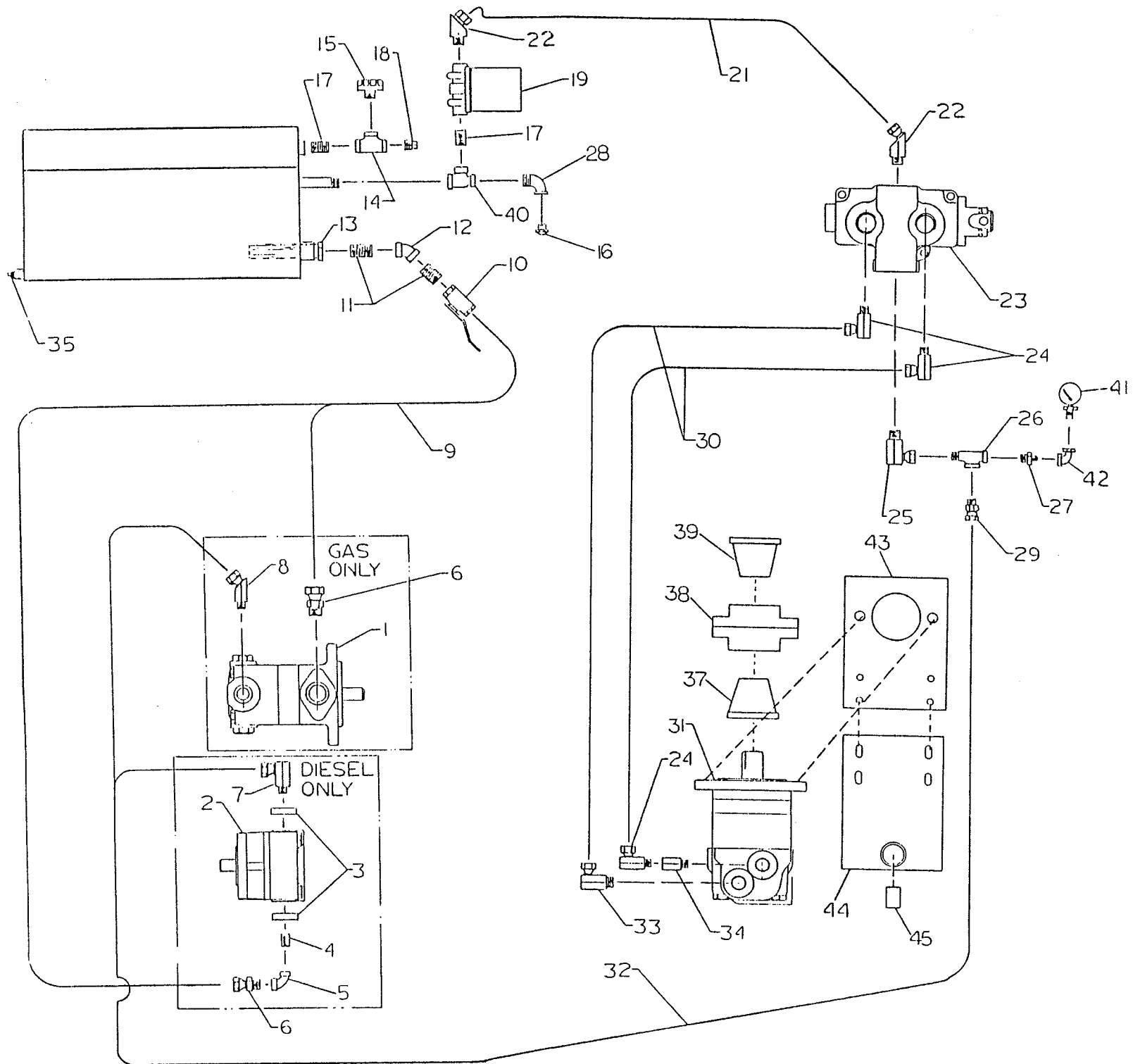
PUMP, DRIVE, AND SUCTION PIPING

Ref No.	Part No.	Description	No. Req'd
4-1	005143	Slurry Pump	1
		X0828 Bolts,Nuts,Washers	4
4-2	006359	Suction Elbow	1
4-3	006144	Clamp, Snap Style	2
		006145 Rubber Gasket	2
4-4	005063-02	Suction Pipe	1
4-5	006710	Clamp, Bolt Style	1
		006145 Rubber Gasket	1
4-6	002383	Pump Lubricator	1
	160004	Pipe El	1
	160389	Nipple	1
4-7	008236	Driven Sheave	1
		010061 Bushing	1
		007717 Key	1
4-8	004591	Power Band	1
4-9	004592	Drive Sheave	1
		00437B Bushing	1
		000536 Key	1
4-10	004593	Drain Plug	1
4-11	005281-01	Belt Guard-Engine Half	1
4-12	005281-02	Belt Guard-Pump Half	1



Ref No.	Part No.	Description	No. Req'd
	005143	Pump Assembly Consisting Of:	
5-1	005146	Cover, Pump Suction	1
5-2	005150	O-Ring, Suction Cover	1
5-3	X0824	Bolts, Suction Cover	8
5-4	005144	Casing	1
5-5	X0828	Bolts, Adjusting	4
5-6	006443	Seal Assembly (60BC18)	1
5-7	006444	Seal, Grease Retainer	1
5-8	006445	Bearing, Radial	1
5-9	006446	Bearing, Thrust	1
5-10	006447	Seal, Grease Retaining	2
5-11	002945	Shaft	1
5-12	002960	Frame	1
5-13	006450	Slinger, Radial Bearing	1
5-14	005145	Impeller	1
5-15	002961	Retainer, Thrust Bearing	1
5-16	006537	Retainer, Radial Bearing	1
5-17	007366	Lock, Shaft Nut	1
5-18	007367	Nut, Shaft	1

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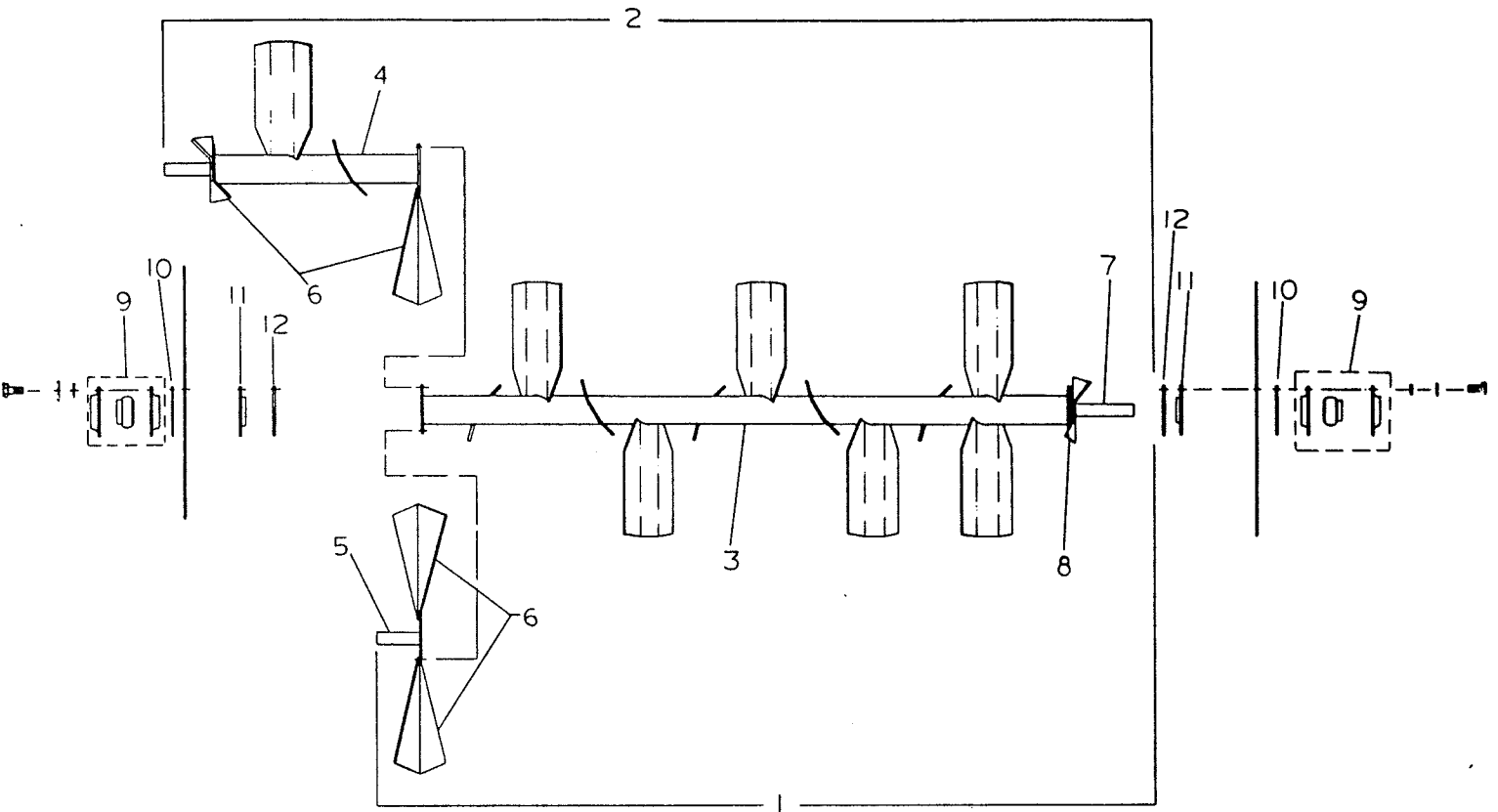


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SERIAL NUMBER OF MACHINE**

HYDRAULIC SYSTEM

REF NO.	Gas	Part No. Diesel	Description	No. Req'd
6-1	022085L		Hydraulic Pump (see pg 28)	1
6-2		005167	Hydraulic Pump (see pg 31)	1
6-3		005204	Adapter Flange	2
			005227 O Ring	2
6-4		160422	Nipple	1
6-5		160111	Reducer Elbow	1
6-6	021802	021802	Straight Swivel Adapter	1
6-7		021669	90 deg Swivel Adapter	1
6-8	011503		45 deg Swivel Adapter	1
6-9	005159	005159	Suction Hose	1
6-10	021559	021559	Ball Valve	1
6-11	160305	160305	Close Nipple	2
6-12	160036	160036	45 deg Elbow	1
6-13	011466	011466	Suction Strainer	1
6-14	160212	160212	Tee	1
6-15	004900	004900	Filler Breather	1
6-16	080015	080015	Sight Glass	1
6-17	160303	160303	Close Nipple	2
6-18	160238	160238	Pipe Plug	1
6-19	021617	021617	Return Line Filter	1
6-21	005158	005158	Return Hose	1
6-22	080234	080234	45 deg Swivel Adater	2
6-23	008293	008293	Hydraulic Valve (see pg 30)	1
	4683-01	4683-01	Valve Handle (T90 only)	1
	80056-05	80056-05	Valve Handle (T90S,T120GN,T120S)1	1
6-24	021669	021669	90 deg Swivel Adapter	3
6-25	023121	023121	90 deg Swivel Adapter	1
6-26	022592	022592	Service Tee	1
6-27	004741	004741	Nipple	1
6-28	160058	160058	Street Elbow-90 degrees	1
6-29	022305	022305	Straight Swivel Adapter	1
6-30	070425	070425	Motor Hose	2
6-31	070660	070660 S304	Hydraulic Motor (see pg 2)	1
6-32	005157	005157	Pump Discharge Hose	1
6-33	070407	070407	O Ring Boss Adapter	1
6-34	070408	070408	O Ring Adapter	1
6-35	160236	160236	Pipe Plug	1
6-37	021440	021440	Bushing-Motor	1
6-38	023156	023156	Coupling	1
6-39	004635	004635	Bushing-Agitator	1
6-40	160213	160213	Reducing Tee	1
6-41	012044	012044	Pressure Gauge	1
6-42	012045	012045	Adapter Union-90 degrees	1
6-43	008275-01	008275-01	Hydraulic Motor Mount	1
6-44	005351	005351	Torque Arrestor Plate	1
6-45	004630	004630	Rubber Insert	1

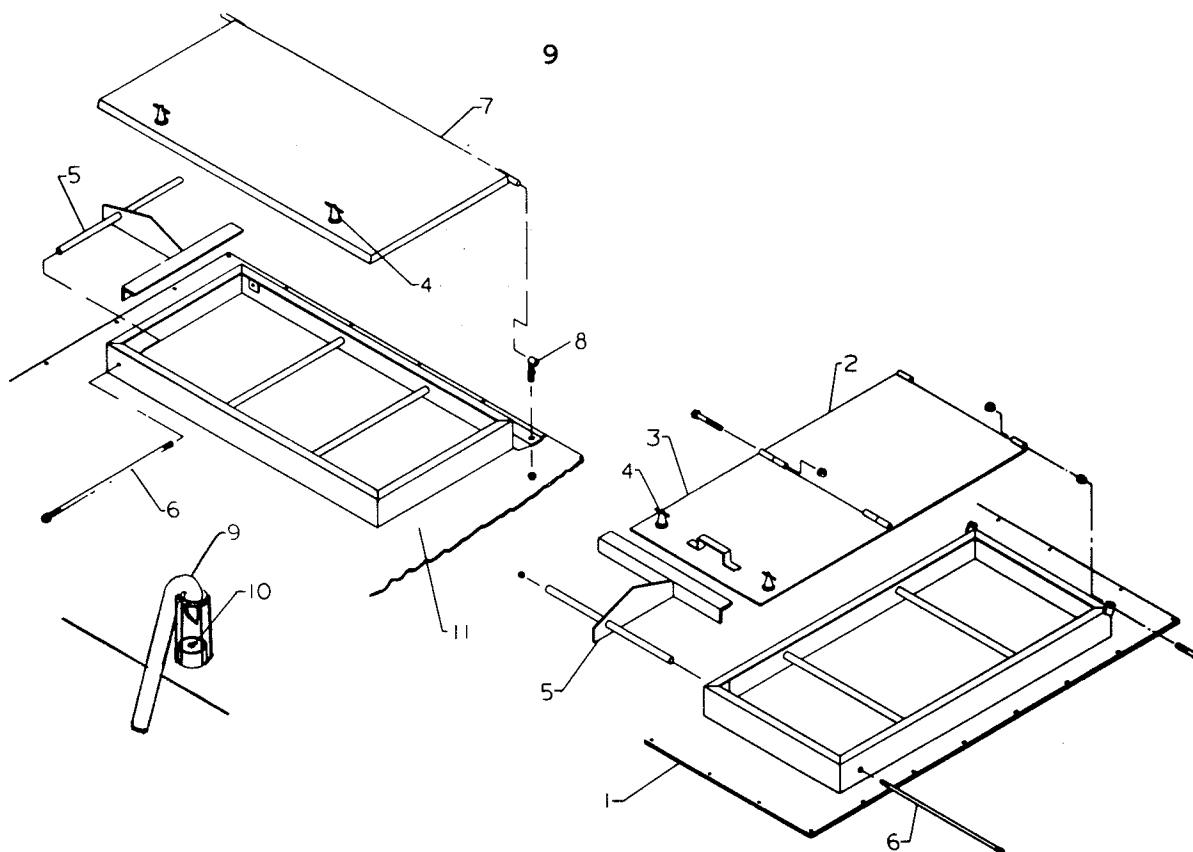
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AGITATOR ASSEMBLY

REF NO.	PART NO.		DESCRIPTION	No. Req'd	
	T90	T120		T90	T120
8-1	005214		T90 Agitator Shaft Assy.	1	
8-2		C05215	T120 Agitator Shaft Assy.		1
8-3	005080	005080	Main Agitator w/Paddles	1	1
8-4		005111	Agitator Extension-Front		1
8-5	005081-03		Agitator Stub Shaft	1	
8-6	005027-03	005027-03	Bolt on Paddle-Front	2	3
			X0820 Bolt and Nut	6	10
8-7	005081-02	005081-02	Agitator Extension-Drive	1	1
8-8	005027-02	005027-02	Bolt On Paddle-Rear	1	1
	005027-01	005027-01	Bolt on Paddle-Rear w/Hole	1	1
			X0820 Bolt and Nut	6	6
8-9	005088	005088	Bearing & Seal Assembly	2	2
			X0824 Bolt & Nut	8	8
8-10			006975 Gasket	2	2
8-11			005207 Seal	2	2
8-12			007417 Seal Plate	2	2
	005091-09	005091-09	Lube Pipe	2	2
	160052	160052	Lube Elbow	2	2
	007705	007705	Grease Fitting	2	2

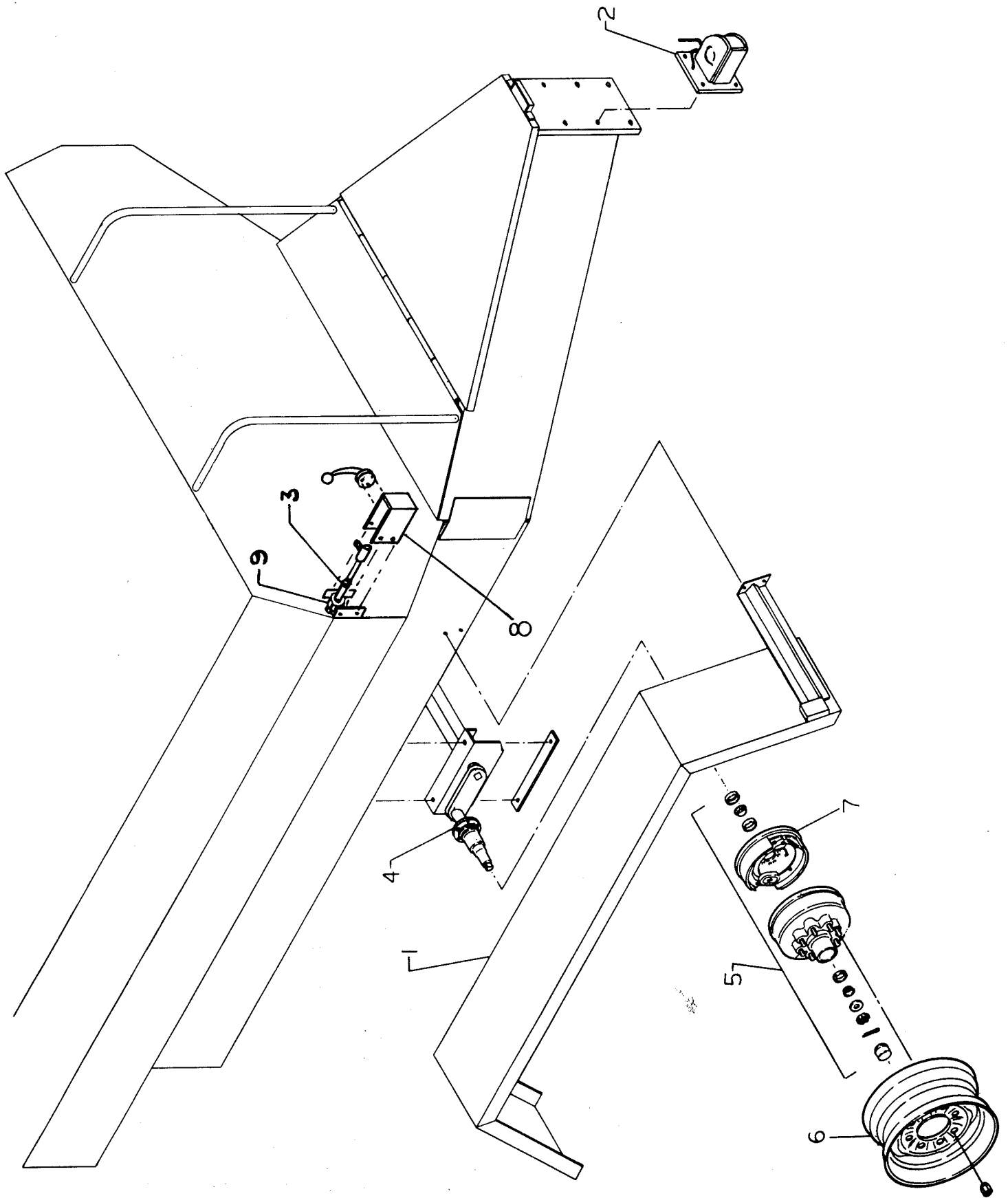
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COVER AND HATCH

Ref No.	T90T	T90S/T120	Description	No. Req'd
9-1	005072		Tank Cover	1
	X0616		Bolt & Nut	34
	190002		Tank Cover Seal	24'
9-2	005075-01		Hatch Lid	1
	X0872		Bolt	2
	Y08L		Locknut	2
	Y08		Nut	2
9-3	005075-02		Hatch Lid	1
	x0872		Bolt & Locknut	2
9-4	005136	005136	T Handle Latch	2
9-5	005092	005092	Bag Cutter	1
9-6	005203-02	005203-02	Bag Cutter Hinge	1
	Y08L	Y08L	Locknut	1
9-7		005102	Hatch Lid	1
9-8		070627	Hatch Lid Hingle	2
		Y10	Nut	4
9-9	005123	005123	Tank Fill Port	1
9-10	005160	005160	Filler Plug	1
9-11		005117	Tank Cover (T120 only)	1
		X0616	Bolt & Nut	38
		190002	Tank Cover Seal	28'
9-11		005202	Tank Cover (T90 skid)	1
		X0616	Bolt & Nut	34
		190002	Tank Cover Seal	24'
	190001	190001	Lanyard Chain	19"
	008097	008097	Decal "Before Entering Tank	1

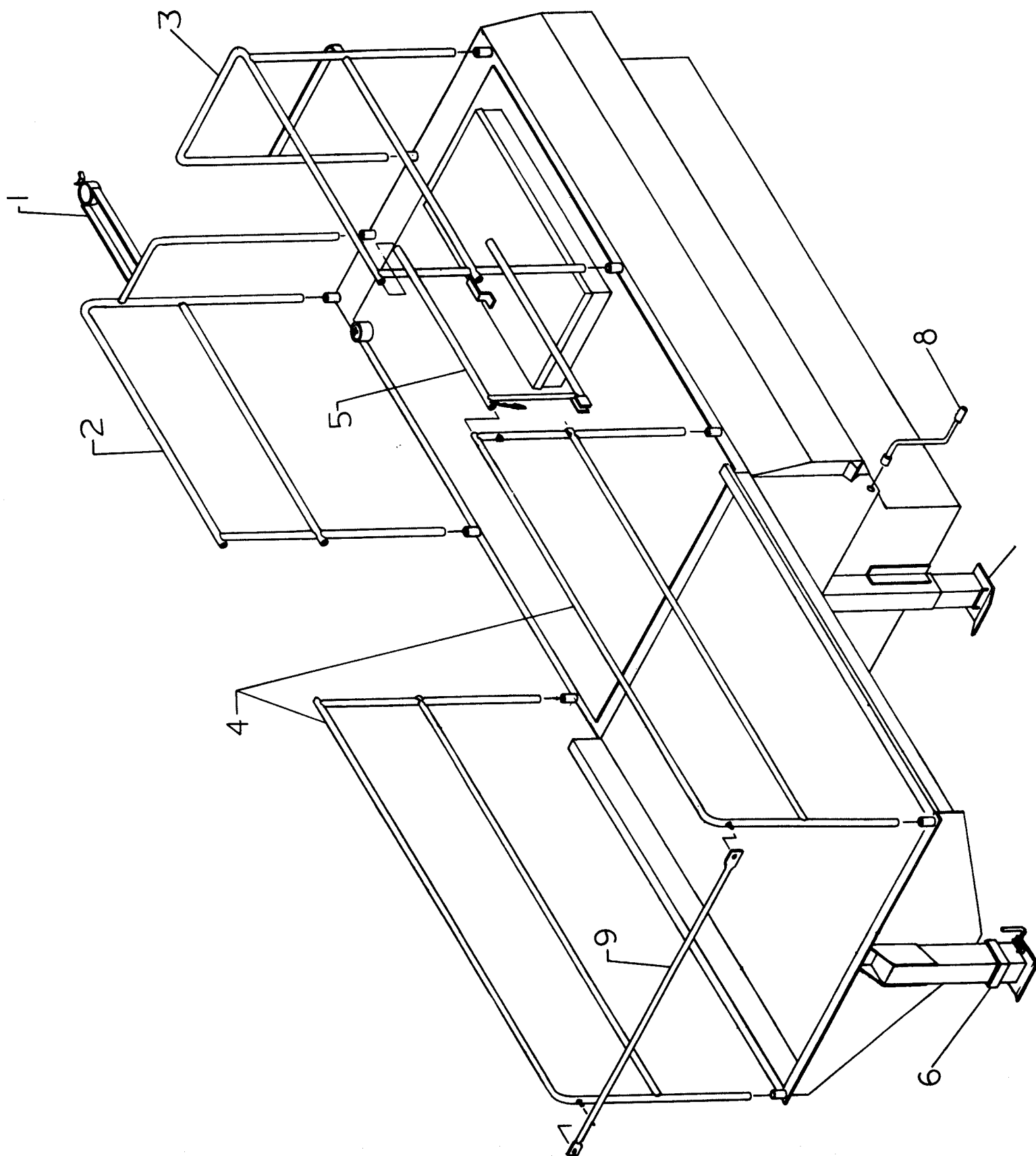
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TRAILER ASSEMBLY

Ref No.	Part No.	Description	No. Req'd
11-1	005274	Right Fender	1
		X0616 Bolt, Nut, Washer (2)	6
	005273	Left Fender	1
		X0616 Bolt and Nut	6
	005139	Side Marker Light	2
11-2	005211	2-5/16" Ball Coupler & Ball Assmy	1
	005134	2-5/16" Ball Coupler	1
	005135	2-5/16" Ball	1
	080043	Tow Ring (Optional)	1
11-3	005232	Agitator Remote Control Cable (T90T only)	1
		005233 Ball Joint	1
		007345 Control Lever	1
11-4	005294	Axle w/Spindle, Hub & Drum, Brake	2
		XF1036H Bolt & Nut-Grade 8	8
	031220-01	Axle Mounting Shim Plate	4
11-5	100232	Hub & Drum Assembly	4
		WL10-1 Grease Seal	1 per
		WL25580 Inner Bearing	1 per
		WL25520 Inner Cup	1 per
		WL14276 Outer Cup	1 per
		WL14125A Outer Bearing	1 per
		WL605 Grease Cap	1 per
		WL6-80 Wheel Nut	8 per
		WL7-122 Stud	8 per
		WL15-57 Washer	1 per
		WL6-1 Nut	1 per
11-6	005057	Wheel	4
11-7	WL23-180	Left Brake Assembly	2
	WL23-181	Right Brake Assembly	2
	005060	Tire	4
	004644	Valve Stem	4
	004720	License Bracket	1
	005234	Jack	1
		020834 Pin w/Spring	1
		020835 Mounting Ring	1
	005168	Safety Chain	2
	005169	Clevis Grab Hook	2
	005170	Chain Connector	2
	023310	Decal "Caution Tighten Bolts"	1
11-8	005231	Valve Control Mount	1
11-9	005206-05	Connector Bushing	1
	005206-03	Cable Conduit (T90T only)	1
	005178	O Ring (T90T only)	1

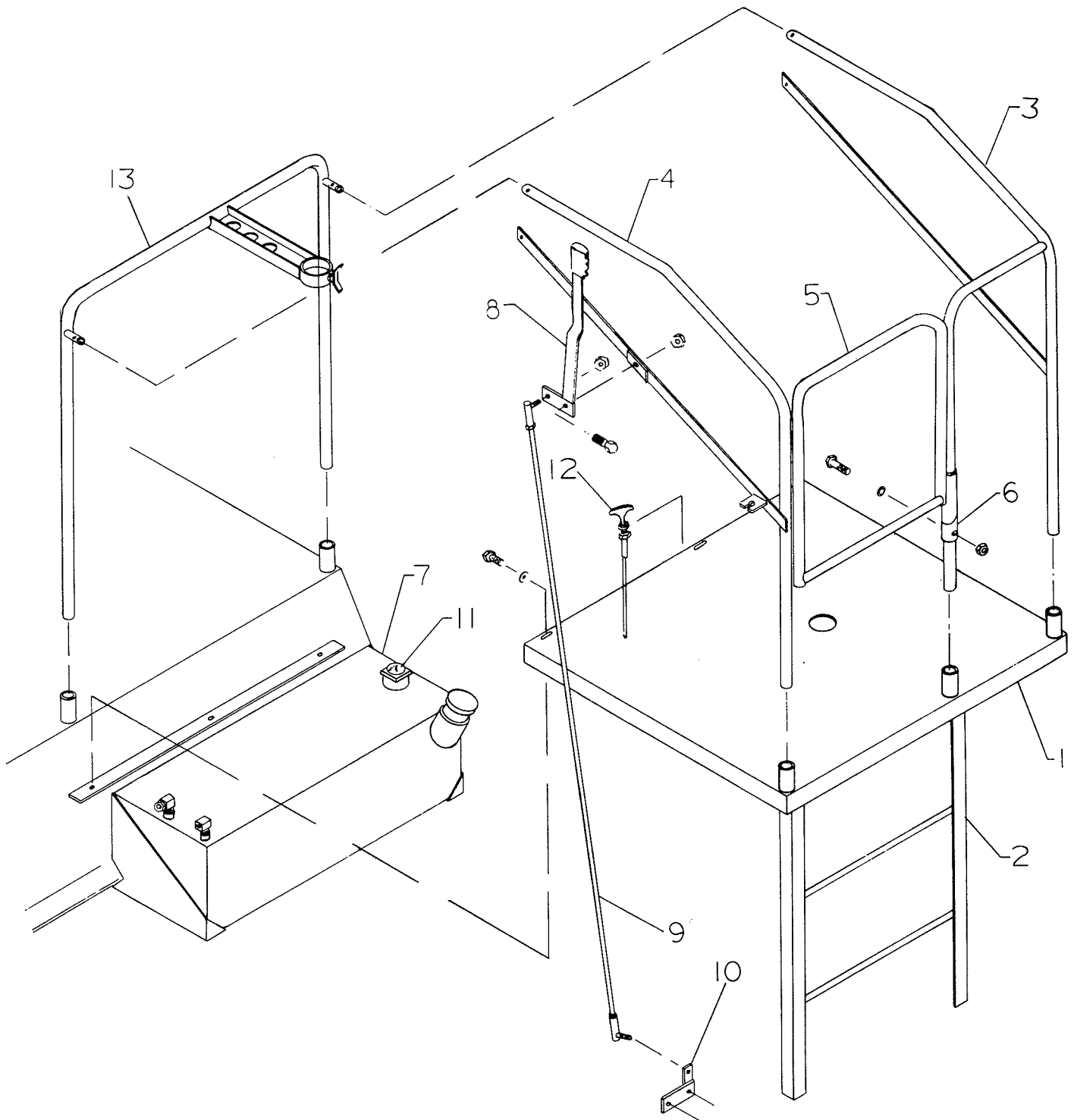
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T-120 GOOSENECK TRAILER

Ref No.	Part No.	Description	No. Req'd
12-1	005116	Right Rear Boom Rail	1
12-2	005192	Right Rear Guard Rail	1
12-3	005193	left Rear Guard Rail	1
12-4	005196	Front Guard Rail	2
12-5 *	005121	Guard Rail Slide Gate	2
12-6	004799	Bal Type Gooseneck Coupler	1
12-7	004798	Trailer Jack	1
12-8	004798A	Jack Handle	1
	005128-09	Jack Handle Extension	1
	005128-10	Jack Handle Shaft	1
12-9	005133	Front Cross Rail	2
		Y06 Nut	4
	011313	Tool Box	1
	005370	Loading Shield(Diesel Only)	1
	Note: For axle, brake and fender assembly and parts see pages 10 and 11		

*Units with hose reels takes: Qty 1 005121 Slide Gate
Qty 1 007123 Slide Rail



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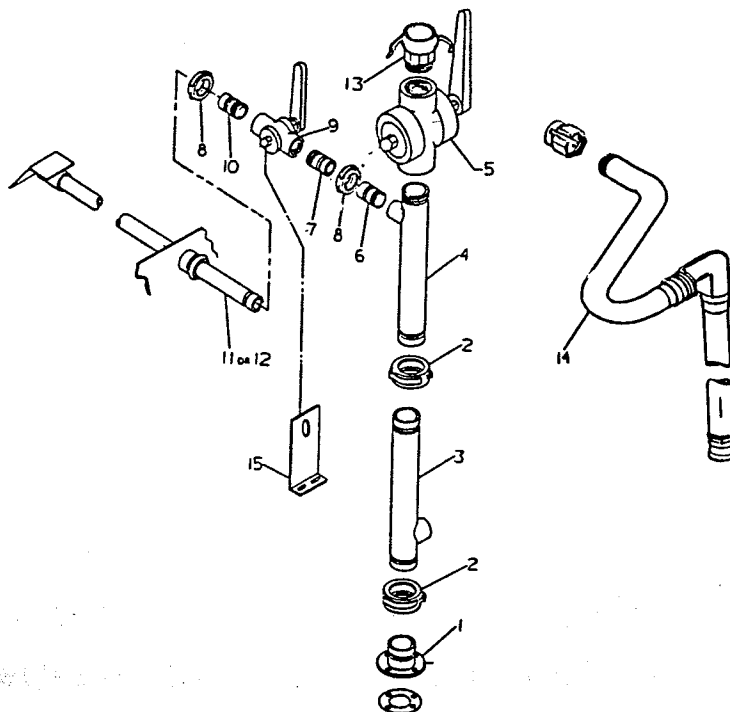
PLATFORM

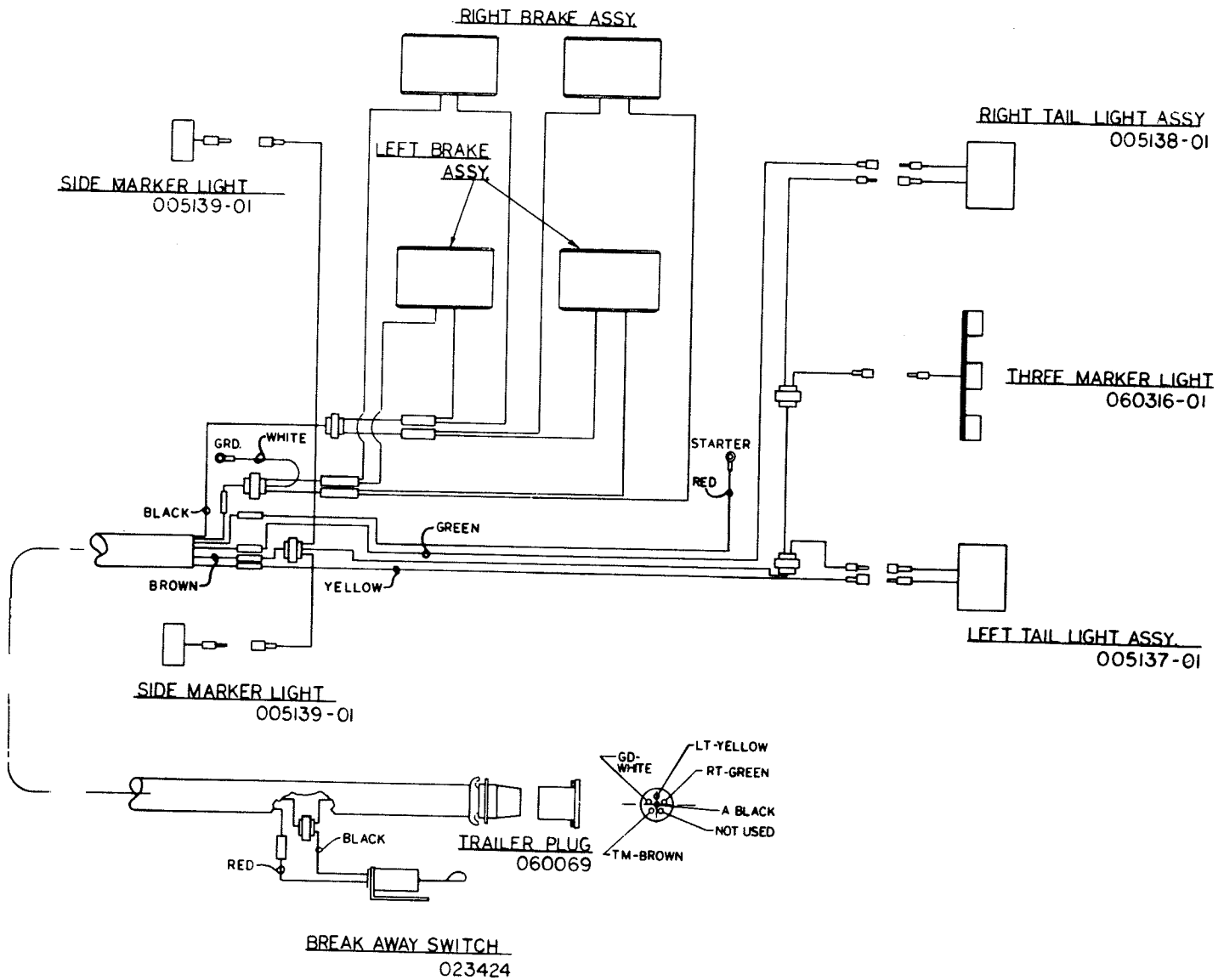
Ref No.	Part No.		Description	No. Req'd
	Gas	Diesel		
14-1	005230	005230	Platform	1
			X0516 Bolt and Washer	3
14-2	005115	005115	Ladder	1
			X0616 Bolt, Nut, Washer	4
14-3	005291	005291	Right Platform Rail	1
14-4	005292	005292	Left Platform Rail	1
14-5	008412	008412	Gate	1
14-6A	8411-04	8411-04	Hinge-Bottom	1
14-6B	8411-03	8411-03	Hinge-Top	1
14-7	005112	005112	Fuel Tank	1
	5205-01	5205-01	Dip Tube-Suction	1
	007907	007907	Fill neck	1
	007914	007914	Cap	1
14-8	5181-01	5181-01	Clutch Control Handle	1
	000427	000427	Handle Grip	1
			X0828 Bolt, Nut, Washer (3)	1
14-9	5182-01	5182-02	Clutch Rod Assembly	1
	006737	006737	Ball Joint	2
			XYF08 Nut, Washer	2
14-10	5181-06	5181-06	Clutch Arm	1
			X0624 Bolt and Nut	2
14-11	031275	031275	Fuel Level Gauge	1
14-12	005175	005176	Throttle Cable	1
	005177	005177	Boot	1
14-13	005120	005120	Cross Rail (T90T only)	1
	002258	002258	Boom Clamp Handle	1
	022357	022357	Decal "Turn Off Engine"	1
	005161	005161	Nozzle Tie Strap	1
	007913	007913	Boom Tie Strap	1

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DISCHARGE BOOM AND PIPING

Ref No.	Part No.	Description	No. Req'd
1	005082-01	Pump Discharge Flange	1
	008469	Gasket, Flange	1
2	006250	Pipe Clamp	2
	006251	Rubber Gasket	2
3	005082-02	Pump Discharge Pipe	1
4	005082-10	Lower Valve Pipe	1
5	005163	Discharge Valve	1
	004961	Lube Screw	1
	005223	Handle	1
	160311	Close Nipple	1
6	005083-07	Recirculation Nozzle	1
7	005083-08	Recirculation Nozzle-Valve	1
8	005156	Pipe Clamp	2
	005183	Rubber Gasket	2
9	005162	Recirculation Valve	1
	004962	Lube Screw	1
	005222	Handle	1
10	005083-09	Recirculation Connector	1
11	005091-01	Recirculation Pipe (T90T Only)	1
or			
12	005091-11	Recirculation Pipe (T90S, T120GN, T120)	1
13	006102	Coupler, Female	1
	006514	Gasket	1
14	005085	Discharge Boom	1
	006102	Coupler, Female	1
	006514	Gasket	1
	006096	Coupling, Male	1
	007288	Swivel Elbow	1
	007296	Spring Adjusting Collar	1
	005058	Spring	1
	005086-09	Boom Handle	1
	005086	Boom Pipe	1
15	005229	Valve Anti-Rotation Bracket	1
	006969	Swivel Repair Kit	2

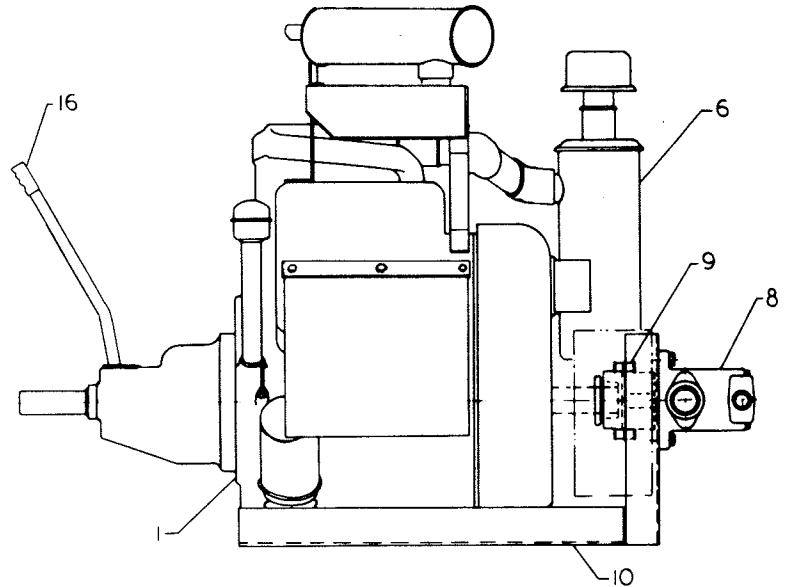
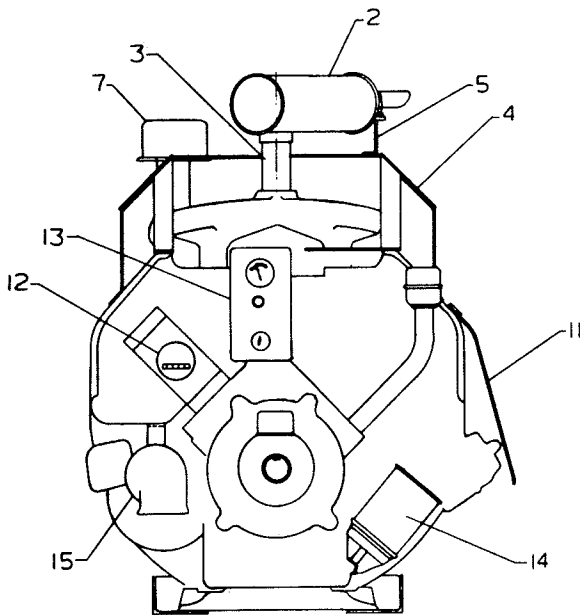




TRAILER WIRING

PART NO.		Description	No. Req'd
T90T	T120T		
005219	005219-10	Trailer Wiring Harness	1
060069	060069	Trailer Plug	1
023424	023424	Breakaway Switch	1
005139-01	005139-01	Side Marker Light	2
005137-01	005137-01	Left Tailight Assembly	1
005138-01	005138-01	Tailight Assembly	1
060316-01	060316-01	Three Marker Light	1
005236	005236	License Light	1

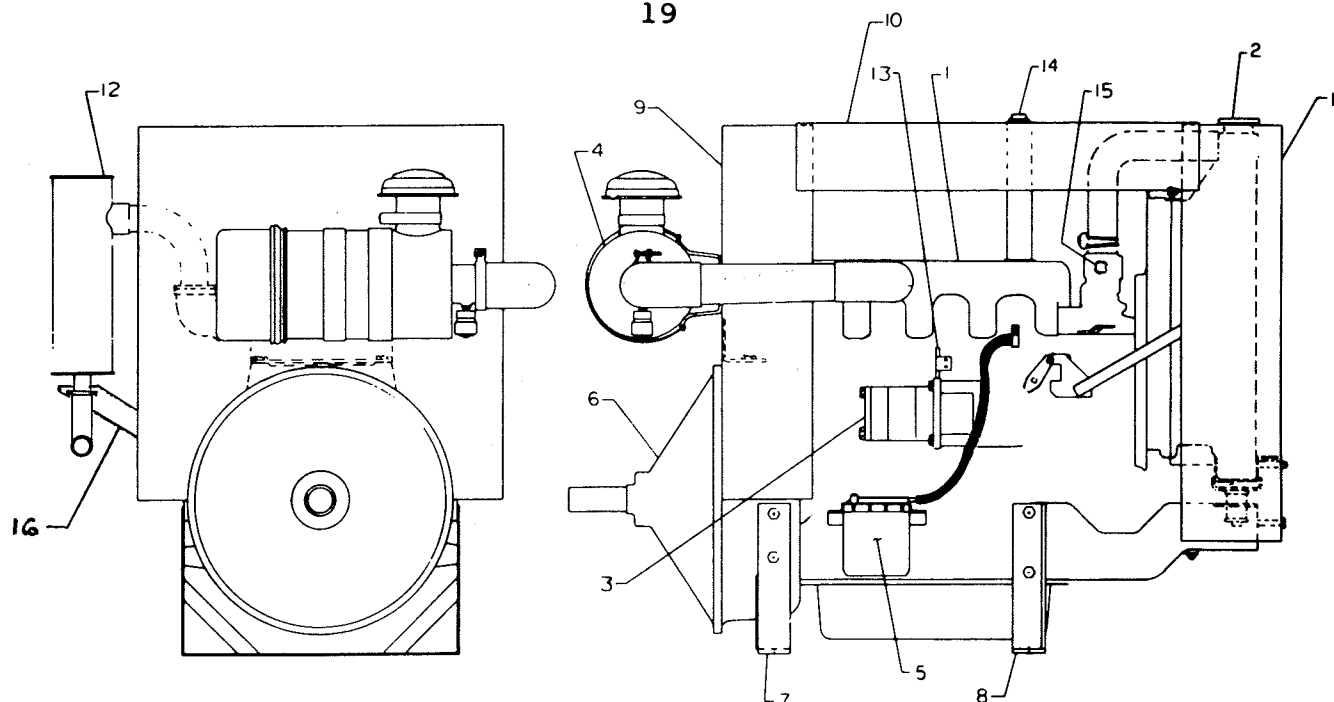
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ENGINE PARTS - GASOLINE

Ref No.	Part No.	Description	No. Req'd
1	005007	Engine Assembly	1
	005166-01	Belt Tensioner	1
	005166-04	Tension Rod	1
		X0840 Bolt & Nut	4
2	031185	Muffler w/Heat Screen	1
	004595-01	Tailspout	1
	004516	Clamp	1
3	004666-03	Exhaust Pipe	1
4	031142	Engine Manifold Cover	1
5	004666-02	Muffler Support	1
6	WEL0159-4S1	Air Cleaner	1
7	WEL0115A	Pre Cleaner	1
8	022085L	Hydraulic Pump	1
9	006466	Chain, Coupling	1
	004807	Coupling Half, Pump	1
	004806	Coupling half, Engine	1
	023062B	Bushing, Engine	1
10	004977	Engine Mount	1
11	004560-02	Distributor Cover	1
	004560-01	Mounting Plate	1
12	007274	Hourmeter	1
	031146	Hourmeter Mount	1
13	WEYE2	Ammeter	1
	WEYC10C	Starter Switch	1
14	WERV52	Oil Filter	1
15	006499	Horn	1
		006499A Bracket	1
	031031	Battery cable	1
	010516	Negative Battery cable	1
	002256-12	Battery	1
	080223	Battery Case	1
	080220	Battery Holddown	1
	005199	Heat Shield	1

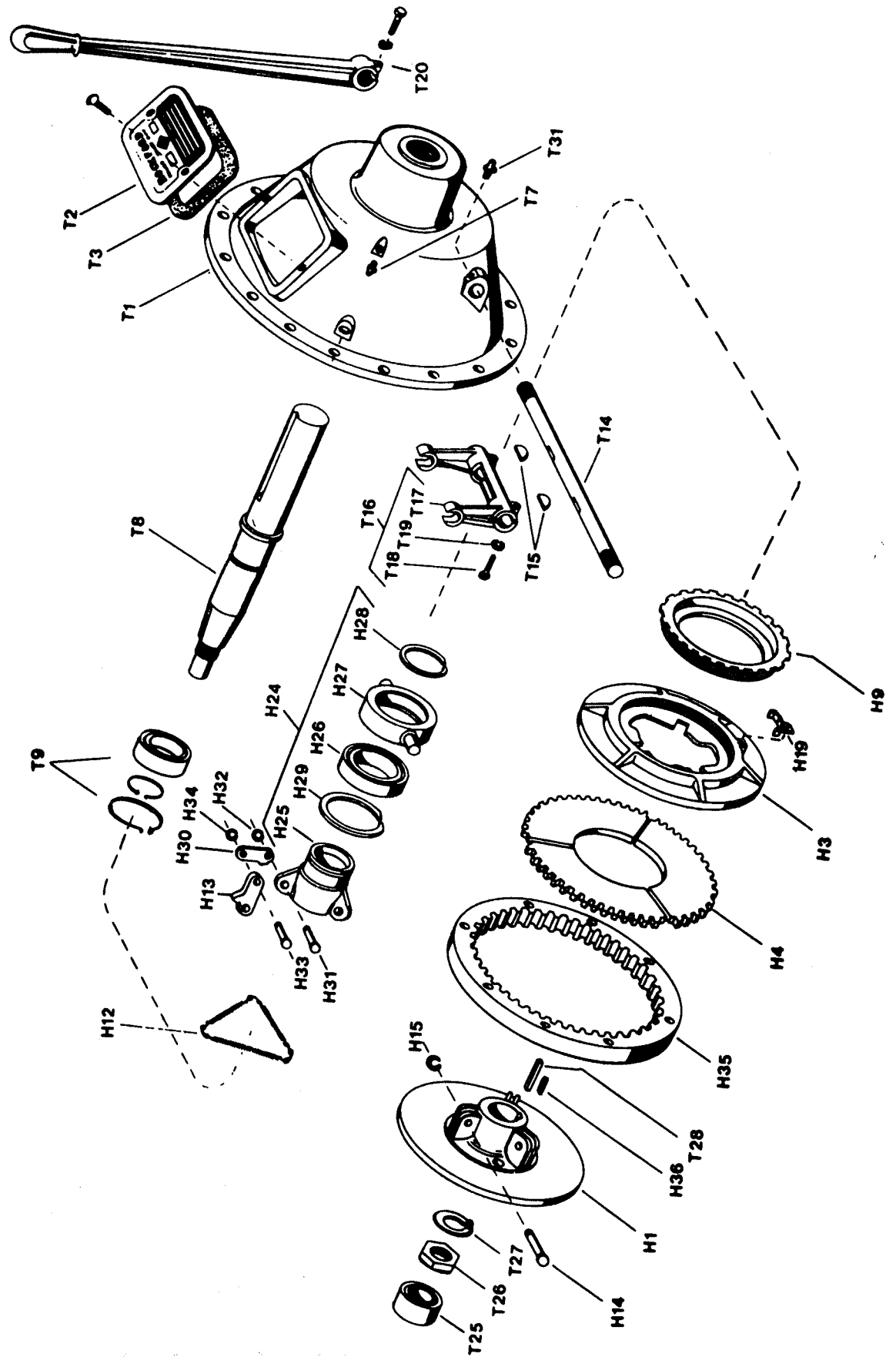
**WHEN ORDERING PARTS, BE SURE TO STATE
SERIAL NUMBER OF MACHINE**



ENGINE PARTS - DIESEL

Ref No.	Part No.	Description	No. Req'd
1	005003	Engine Assembly - Diesel	1
		Includes:	
2	005093	Radiator Kit	1
3	005208	Hydraulic Pump Kit (see pg 31)	1
4	005096	Air Cleaner Kit	1
		007739 Filter Element	1
		007993 Adapter Elbow	1
5	005095	Fuel Filter Kit	1
		KU70000-43081 Filter Element (spin on)	1
	031312	Suction Fan	1
	004933	Key Switch	1
6	031304	Clutch Assembly (see pg 20-21)	1
7	005099	Rear Engine Mount	1
		X0832 Mtg. Hardware	2
8	004979	Front Engine Mount	1
		X0832 Mtg. Hardware	2
9	005098	Rear Engine Shroud	1
10	005097	Top Engine Shroud	1
11	004980	Radiator Shroud	1
12	031185	Muffler w/Heat Screen	1
	031215	Exhaust Elbow	1
	031194	Tailpipe	1
	004516	Clamp	1
13	004984-07	Engine Control Mount	1
14	004984-06	Oil Fill Extension	1
15	080077	Temperature Switch	1
16	031313	Support Bracket, Muffler	1
	021148	Engine Kill Cable	1
		004983 Clamp	1
		007675 Ball Joint	1
	005166-01	Belt Tensioner	1
	005166-04	Tension Rod	1

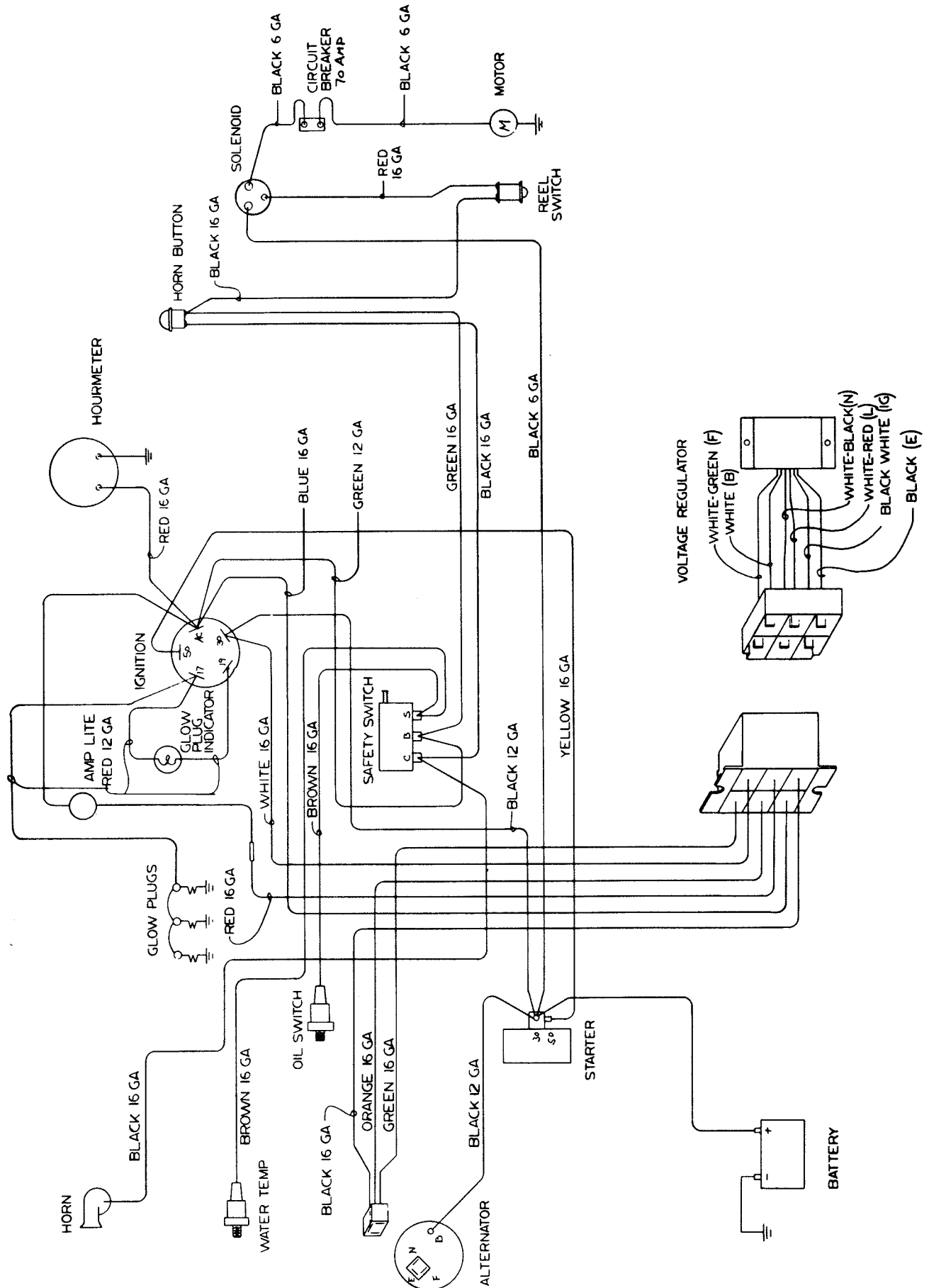
**WHEN ORDERING PARTS, BE SURE TO STATE
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(DIESEL ONLY)
POWER TAKE OFF ASSEMBLY

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
H1	100207	Body, Clutch	1
H3	100208	Plate, Pressure	1
H4	100209	Facing, Clutch (3 segments)	1
H9	100210	Ring, Adjusting	1
H12	100211	Spring Lever	1
H13	100212	Lever	3
H14	100213	Pin, Pivot Lever	3
H15	100008	Ring, Retaining	3
H19	100214	Lock, Adjusting	1
H24	100327	Release, Sleeve & Bearing Assy.	1
H25	100328	Sleeve, Release	1
H26	100330	Bearing, Release	1
H27	100329	Carrier, Bearing	1
H30	100215	Link, Connecting	6
H31 & 3	100216	Pins, Link	6
H32 & 4	100217	Ring, Retaining	6
H35	100218	Ring, Driving	1
H36	100219	Spring, Separator	3
H's	100333	Clutch Assembly	1
T1	100221	Housing Clutch	1
T2	100222	Plate, Instruction	1
T3	100054	Gasket, Cover	1
T7	100043	Fitting, Lubrication	1
T8	100223	Shaft, Drive	1
T9	100060	Bearing	1
T10	100055	Snap Ring, External	1
T11	100059	Snap Ring, Internal	1
T14	100041	Shaft Yoke	1
T15	100042	Key, Woodruff	2
T16	100073	Yoke, Clutch	1
T20	031219	Lever, Shifting	1
T25	005151	Bearing, Pilot	1
T26	100045	Nut, Drive, Shaft	1
T27	100047	Washer, Lock	1
T28	100056	Key, Clutch	1
T31	100224	Lube Fitting, Yoke Shaft	2
	031304	Power Take Off Assembly (4-34193)	

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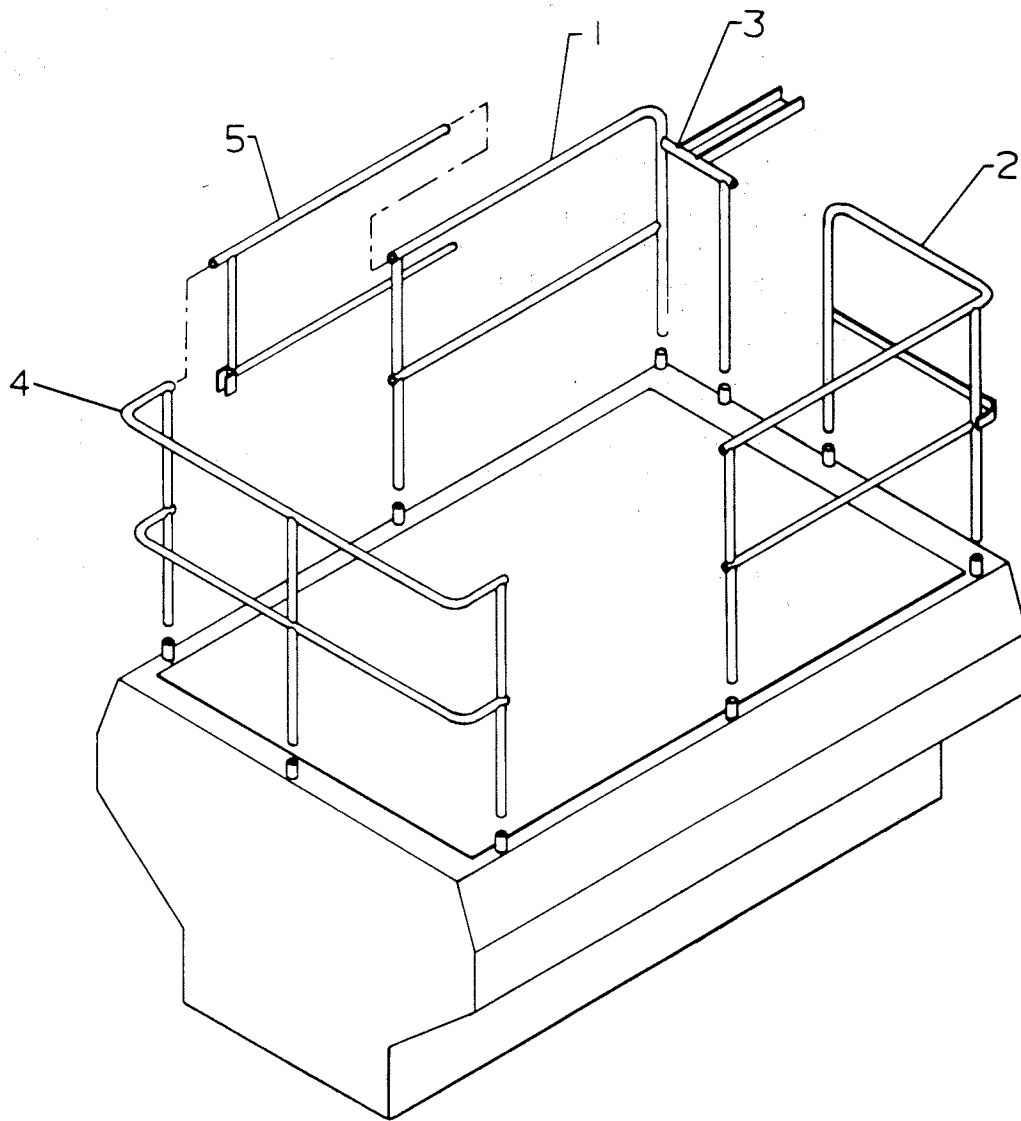


**WHEN ORDERING PARTS, BE SURE TO STATE
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DIESEL WIRING

Part No.	Description	No. Req'd
0020886	Horn Button	1
006499	Horn, Signal	1
002256-12	Battery	1
080220	Battery Holddown	1
031031	Cable, Positive Battery	1
010516	Cable, Negative Battery	1
007274	Hourmeter	1
080132	Safety Switch	1
005301	Temperature Switch	1
006245	AMP Light	1
004989-01	Wiring Harness, Engine	1
004989-02	Wiring Harness, Horn	1
KU70000-65938	Voltage Regulator	1
004933	Ignition	1
004934	Oil Switch	1
004935	Glow Plug	1

**WHEN ORDERING PARTS, BE SURE TO STATE
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SKID MOUNT PARTS

Ref No.	Part No.		Description	No Req'd
	T90S	T120S		
27-1	005192	005192	Right Guard Rail	1
27-2	005193	005193	Left Guard Rail	1
27-3	005116	005116	Boom Rail	1
27-4	005195-01	005195-05	Front Cross Rail	1
27-5 *	005121	005121	Dual Slide Gate	2
	011313	011313	Tool Box	1
	005370	005370	Loading Shield(diesel only)	1
*Units with hose reels take: Qty 1 005121 Slide Gate				
Qty 1 007123 Slide Rail				

**WHEN ORDERING PARTS, BE SURE TO STATE
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SPARE PARTS

Part	Description
100253	Filter, Engine Oil (Diesel)
100196	Filter, Engine Oil (Gasoline)
021618	Filter, Hydraulic Oil
007469	Valve Lube Sticks (box)
006515	Gasket, Quick Coupler
005183	Gasket, for 1" Grooved Pipe
006251	Gasket, for 2" Grooved Pipe
006145	Gasket, for 4" Grooved Pipe

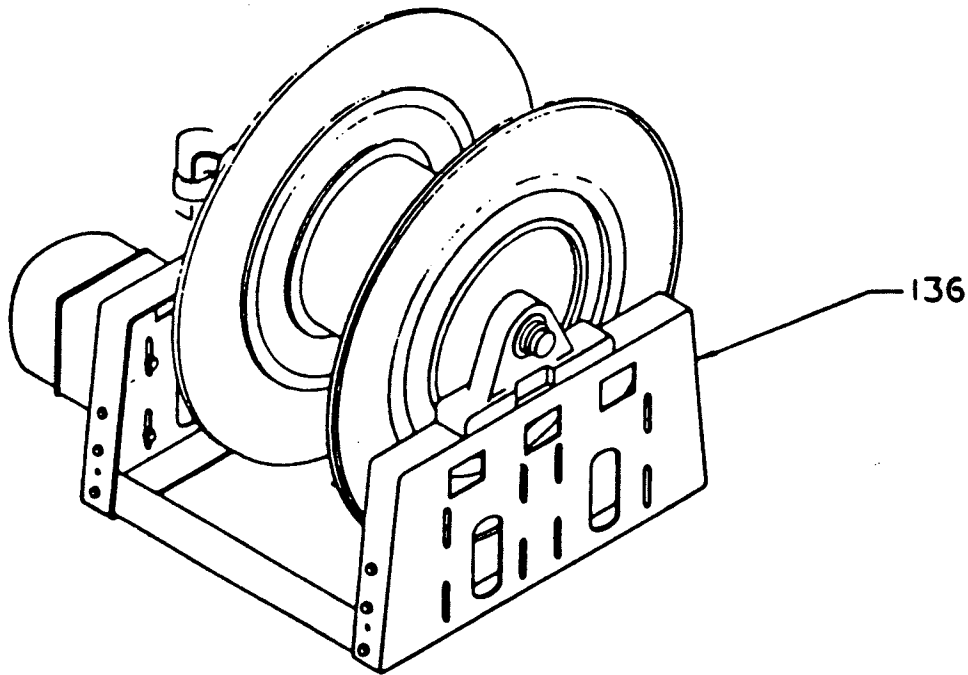
REPAIR KITS

006969	For Discharge Boom Swivel
023120	Seal Kit for 022850 Valve
023257	Seal Kit for 070660 Hydraulic Motor

MISCELLANEOUS PARTS

		No. Req'd
011666	Paint, Finish	1
008156	Paint, Interior Finish	1
023174	Decal, "Finn"	2
011595	Decal, "HydroSeeder"	2

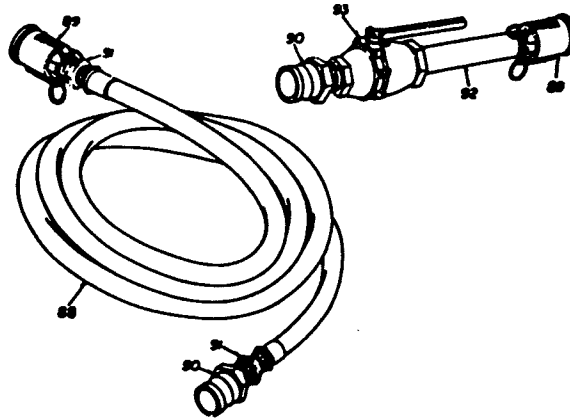
**WHEN ORDERING PARTS, BE SURE TO STATE
SERIAL NUMBER OF MACHINE**



HOSE REEL ASSEMBLY

Ref No.	Part No.	Description	No Req'd
136	008212	Electric Reel	1
		008188 Electric Motor	1
		008199 Small Sprocket	1
		008313 Bearing, Idle Side	1
		008314 Bearing, Drive Side	1
		008200 Chain	1
	008210	Swivel	1
	007710	Valve	1
	004909	Lead In Hose (T90S,T120GN,T120S)	1
	005210	Lead In Hose (T90T only)	1
	005237	Wiring	1
	008420	Circuit Breaker	1

**WHEN ORDERING PARTS, BE SURE TO STATE
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DISCHARGE HOSE EXTENSIONS

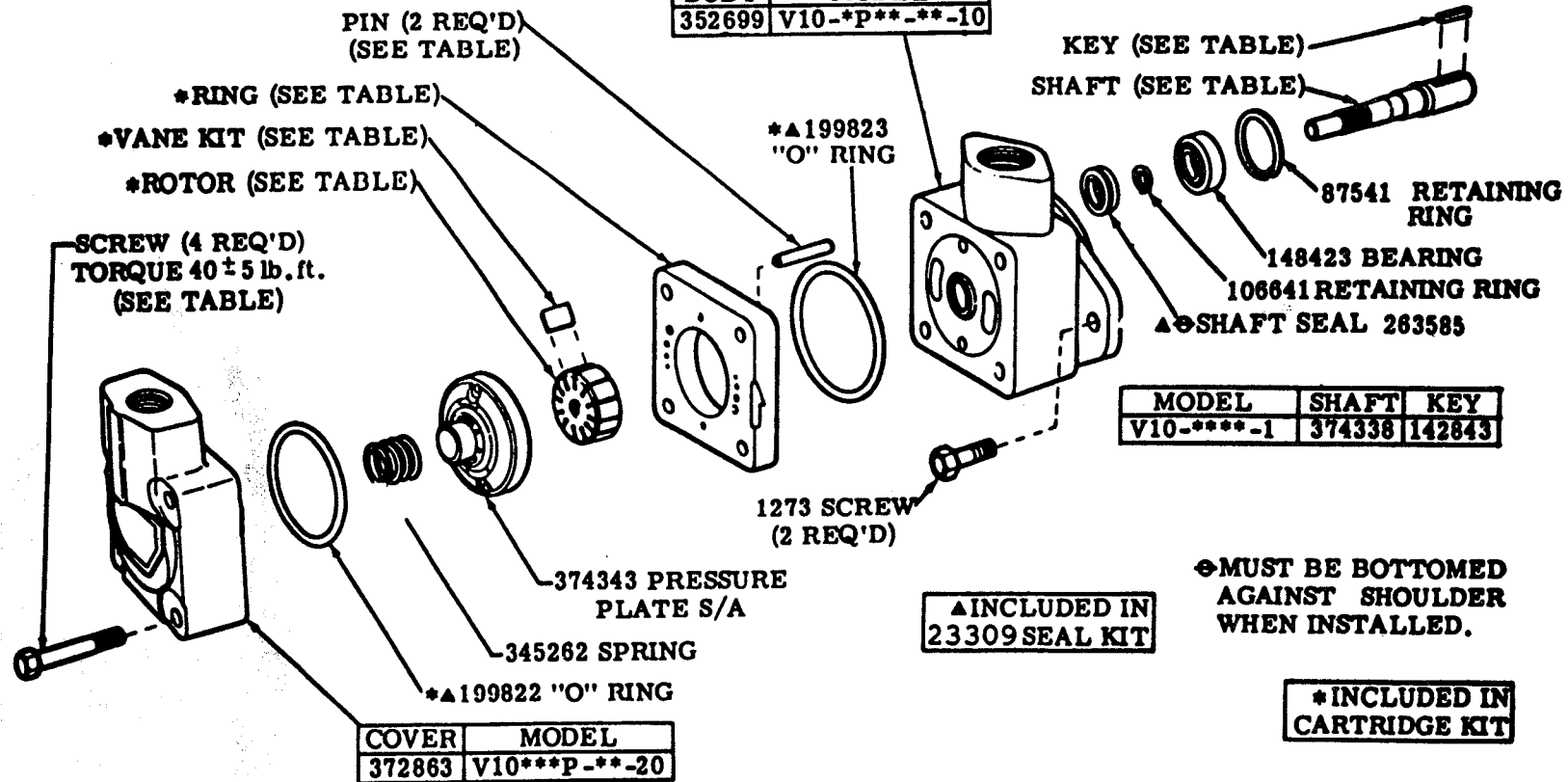
Part No.	Descriptions	No. Req'd
006522	Collapsible Hose Assembly, Discharge Ext.	1
	002273 1-1/2" Hose w/Nipples, 50 ft	1
	006102 1-1/2" Coupler, Female	1
	006514 Gasket	1
	006096 Coupling, Male	1
	160763 Bushing	2
007930	Semi Rigid Hose Assembly, Discharge Ext.	1
	007929 1-1/2" Hose, w/Nipples, 50 ft	1
	006102 Coupler, Female	1
	006514 Gasket	1
	006096 Coupler, Male	1
	160763 Bushing	2
007930-01	Semi Rigid Hose Assembly, Discharge Ext.	1
	007929 1-1/2" Hose, w/Nipples, 50 ft	1
	002158 Coupler Female	1
	006515 Gasket	1
	001207 Coupling, Male	1
007536	Semi Rigid Hose Assembly, Discharge Ext.	1
	003308 1-1/4" Hose w/Nipples, 50 ft.	1
	006102 Coupler, Female	1
	006514 Gasket	1
	006096 Coupling, Male	1
	160762 Bushing	2
003309	Semi Rigid Hose Assembly, Discharge Ext.	1
	003308 1-1/4" Hose, w/Nipples, 50 ft	1
	002158 Coupler, Female	1
	006515 Gasket	1
	001207 Coupling, Male	1
	160756 Bushing	2
007740	Remote Valve Assembly	1
	001207 Coupling, Male	1
	160309 Nipple	1
	003242 Valve	1
	003243 Nipple	1
	160763 Bushing	1
	006102 Coupler, Female	1
	006514 Gasket	1
007711	Valve, Pump Discharge Take Off	1
	007710 Valve	1
	160309 Nipple	1
	002158 Coupler, Female	1
	006514 Gasket	1

**WHEN ORDERING PARTS, BE SURE TO STATE
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WARNING: USE THIS DRAWING FOR PARTS INFORMATION ONLY.

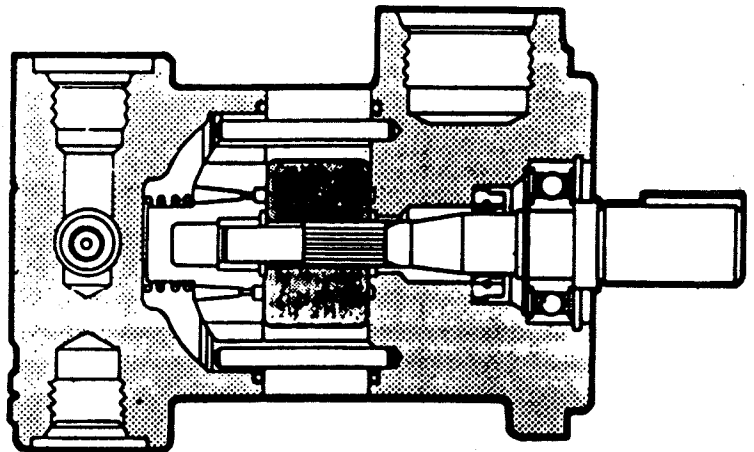
MODEL	*ROTOR	*VANE KIT (12 VANES)	*RING	PIN	SCREW	CART. KIT
V10-***1*-***0	317681	923499	317674	231042	11156	923471
V10-***2*-***0			317675			923470
V10-***3*-***0			317676			923496
V10-***4*-***0	351247	923500	317677	2456	1278	923469
V10-***5*-***0			317678			923468
V10-***6*-***0	357286	923501	355641	351963		923497
V10-***7*-***0			331813			923498

BODY	MODEL
352699	V10-*P**-*-10

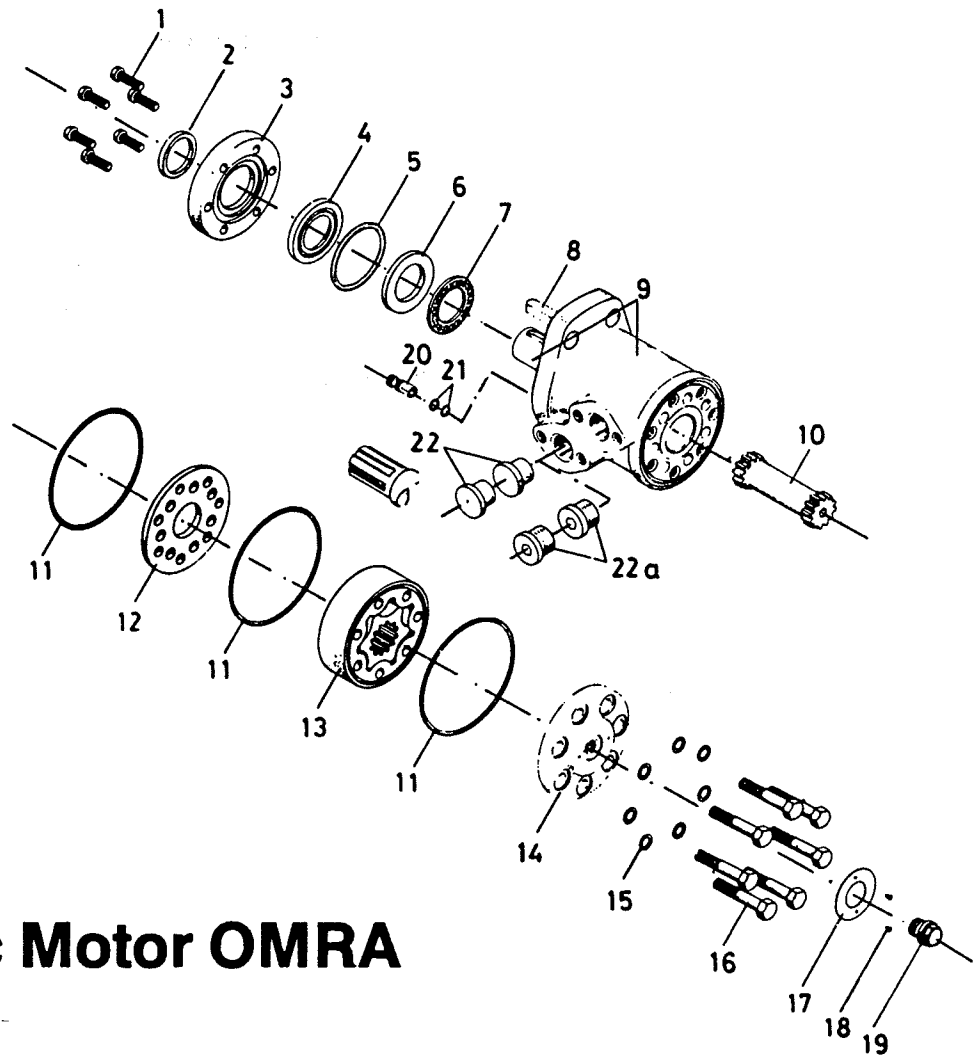


SERVICE PARTS INFORMATION

V10 SERIES -20 DESIGN



SPARE PARTS

Hydraulic Motor OMRA

Ref No.	Part No.	Description	No. Req'd
1	681x1989	Screw	6
* 2	633B3198	Dust Seal Ring	1
3	151-1734	Spigot Flange	1
* 4	633B3273	Shaft Seal	1
* 5	633B1528	O-Ring	1
6	151-1701	Bearing Race	2
7	981x3198	Axial Needle Bearing	1
8	151-4109	Parallel Key	1
9	Not sold separately	Housing and output shaft	
10	151-1819	Cardan Shaft	1
*11	633B1301	O-Ring, 90x2 mm NBR	3
12	151-1702	Distributor Plate	1
13	151-1191	Gear Wheel Set	1
14	151-1731	End Cover	1
*15	684x2481	Washer	7
16	681x1105	Screw	7
17	151A0309	Name Plate	1
18	68121011	Drive Screw	2
19	631x2013	Drain Plug (incl. o-ring)	1
20	151-1076	Check Valve (incl. item 21)	2
22	633x1021	Seal Plug	2

*

151-1166

Spare Parts Kit (incl. one set of items noted)

SDCF Series Valve

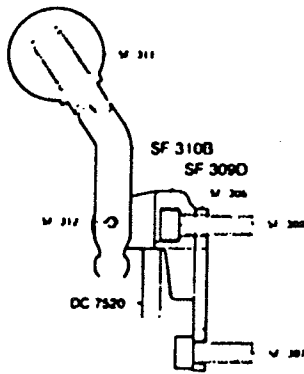


figure 1

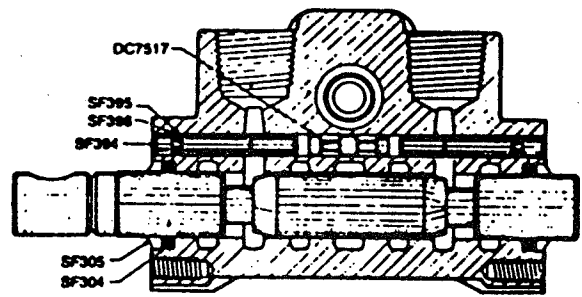


figure 2

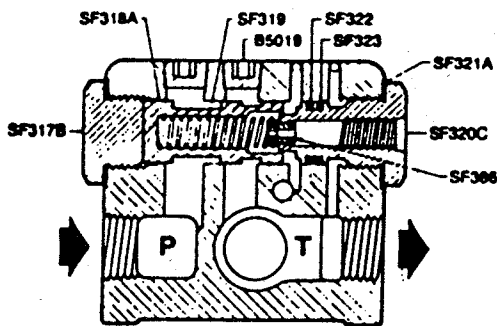
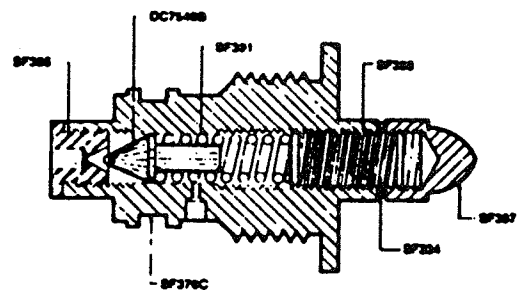


figure 3

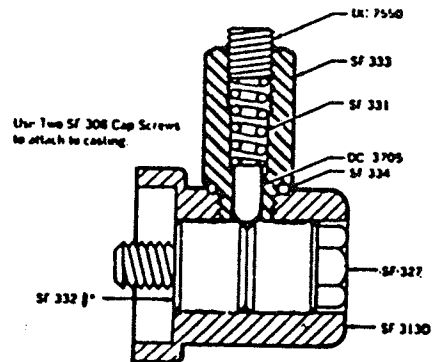


Relief

figure 4

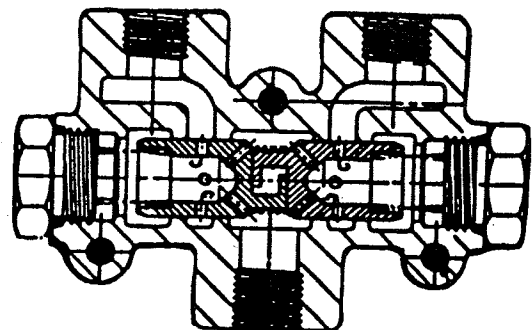
Parts List

B5019	Pipe Plug 1/4" NPT	SF317B	Plug
DC3705	Detent Plunger	SF318A	Metering Spool
DC7517A	Shuttle Spool	SF319	Metering Spring
DC7520	Roll Pin 3/16 x 1 1/2	SF320C	Cartridge
DC7548B	Poppet	SF321A	Washer
DC7550	Set Screw 5/16-24	SF322	"O" Ring—016
SF304	Seal—210	SF323	Back Up Ring—016
SF305	Wiper	SF327	HHCS 5/16-18 x 1 1/2
SF306	Seal Retainer	SF331	Spring
SF307	Cap Screw 1/4" 20 x 3/4" HAS	SF332-1	Friction Positioning Sleeve
SF308	Cap Screw 1/4" 20 x 3/4" HAS	SF333B	Detent Housing 116
SF309D	Handle Bracket	SF334	Washer
SF310B	Handle	SF370C	Relief Cartridge
SF311	Knob	SF386	Seat
SF312	Roll Pin 1/8" x 1 3/8"	SF387	Acorn Nut
SF312A	Washer	SF388	Set Screw
SF313-D	Detent End Cap	SF391	Spring
		SF394	Shuttle Stop
		SF395	"O" Ring
		SF396	Backup
23120	Seal Kit		

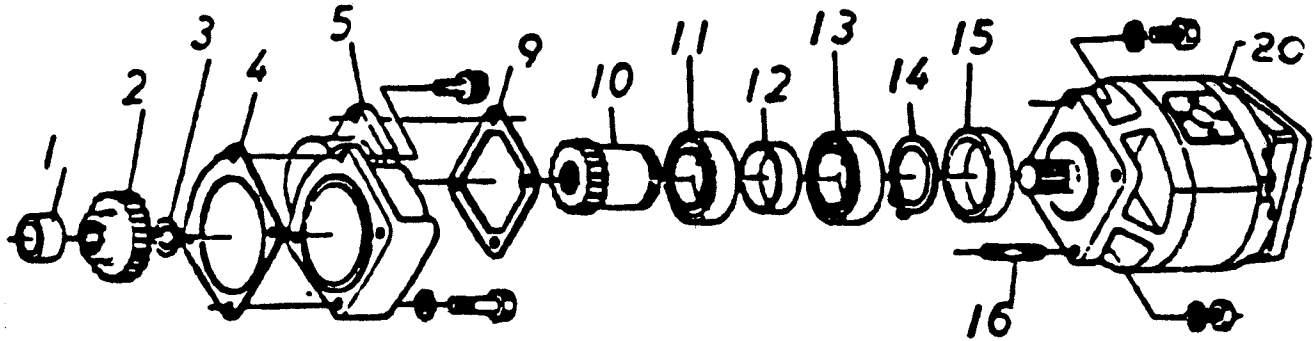


NOTE: Use seal retainer, SF 306 between option and main casting.

SDC-F (Friction Detent Kit)



Flow Divider
T250-300 ONLY

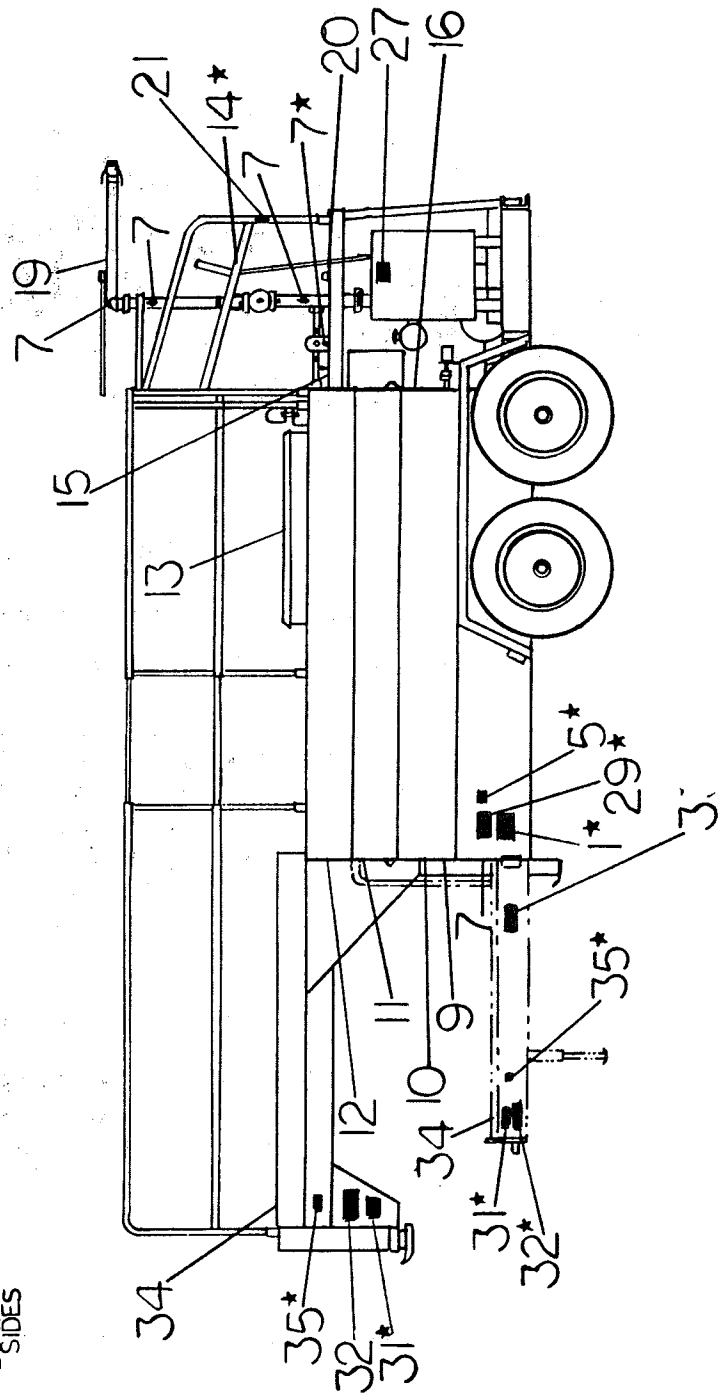
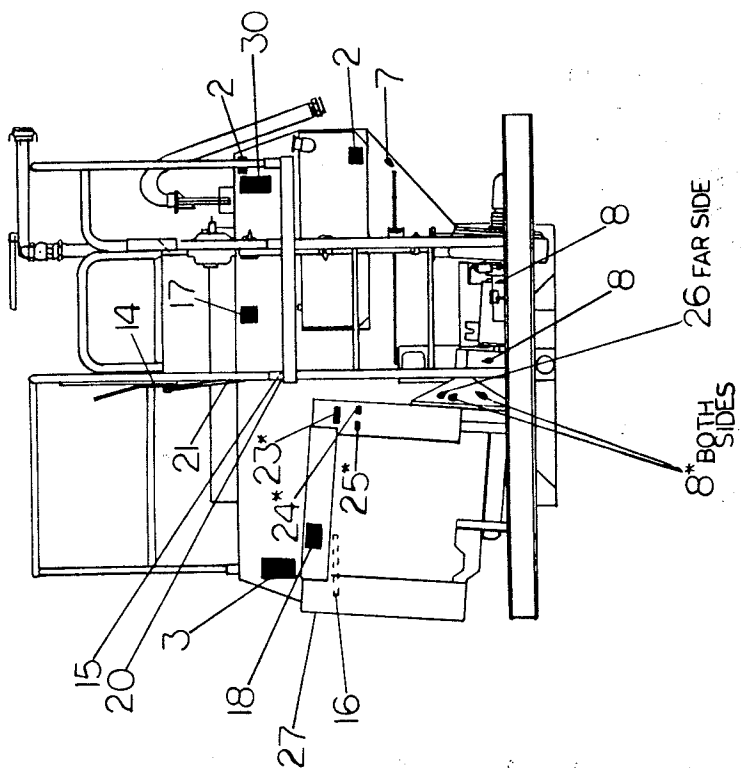
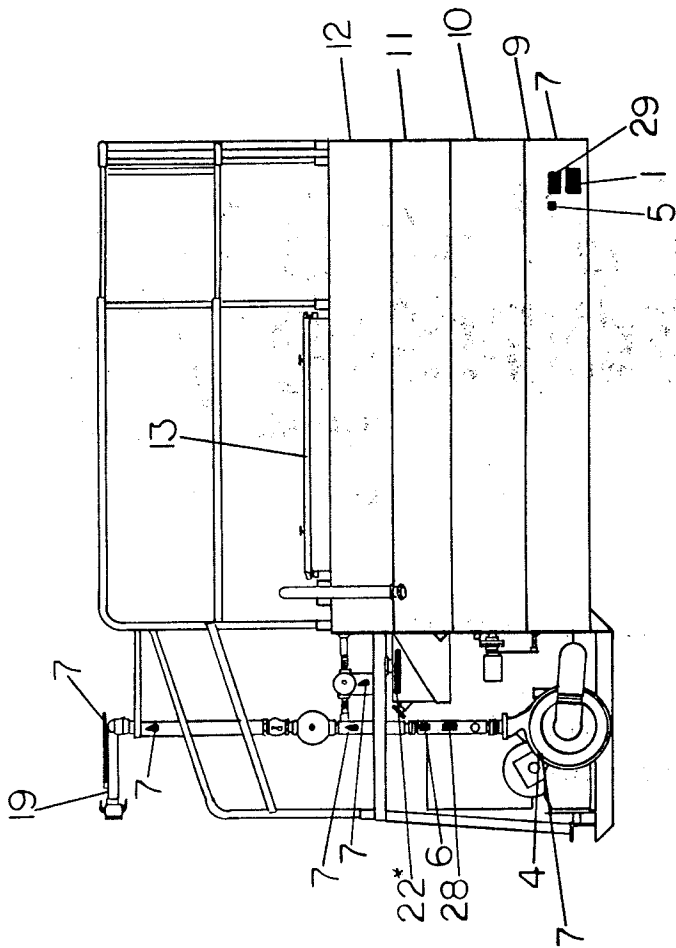


HYDRAULIC PUMP - DIESEL OPTION

Ref No.	Part No.	Description	No. Req'd
	005208	Hydraulic Pump Kit includes:	1
1	100233	Collar	1
2	100234	Gear, 46 teeth	1
3	100235	Snap Ring	1
4	100236	Gasket	1
5	100237	Pump Holder	1
		Bolt	4
		Washer	2
9	100238	Gasket	1
10	100239	Gear, 22 teeth	1
11	100240	Needle Bearing	1
12	100241	Inner Race	1
13	100242	Ball Bearing	1
14	100243	Snap Ring	1
15	100244	Collar	1
16	100245	Stud	2
20	005167	Hydraulic Pump	1
		Bolt	2
		Washer	4
		Nut	2

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DECALS



DECALS

Ref No.	Part No.	Description	No. Req'd
1	011690	Nameplate	1
1A	023174	"FINN" Decal	2
1B	011595	"HydroSeeder" Decal	2
2	005216	Danger Do Not Use Remote Valve	2
3	021665	Hydraulic Instructions	1
4	006869	Pressure Lubricator	1
5	020976	Patent Infringement	1
6	008209	Danger Check Pipe	1
7	007231	Service Daily	7
8	007230	Service Weekly	6
9	005184	250 Gallon	1
10	005186	500 Gallon	1
11	005187	800 Gallon	1
12	005188	1000 Gallon (T-120 Only)	1
13	008097	Danger Before Entering	1
14	004661	Clutch Operation	1
15	008226	Agitator Operation	2
16	023390	Hydraulic Oil Only	1
17	023519	Caution Wear Eye Protection	1
18	022357	Turn Off Engine	1
19	011567	Danger Do Not Aim Stream	1
20	006870-Horn	Horn	1
21	007535	Throttle	1
22	023391	Diesel Fuel Only (Diesel Only)	1
23	005275	Engine Kill (Diesel Only)	1
24	080108-03	Glow Plug (Diesel Only)	1
25	006870-Gen	Gen. (Diesel Only)	1
26	007351	Use Hand Gun Only	1
27	007429	Radiator Protection	1
28	011569	Caution Hose Reel & Remote Only	1
29	011662	U.S. Patent Numbers	1
30	004660	HydroSeeder Operation	1
31	031227	Caution Inspect Hitch (Trailer Only)	1
32	031228	Safety Chain Installation (Trailer Only)	1
33	080107	Caution Always Use Step (T-90 Trailer only)	1
34	021664	Caution Do Not Tow (Trailer Only)	1
35	023423	Warning Breakaway Switch (Trailer Only)	1

Note: 150006 Decal Kit Includes All Decals
Reference Numbers 2 Thru 35.

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