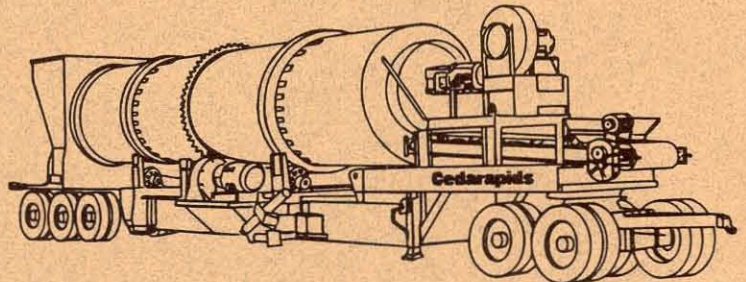
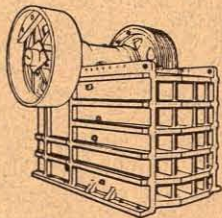
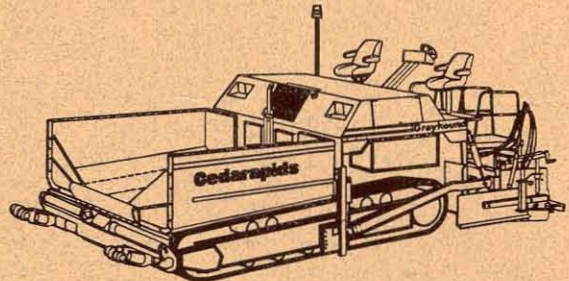
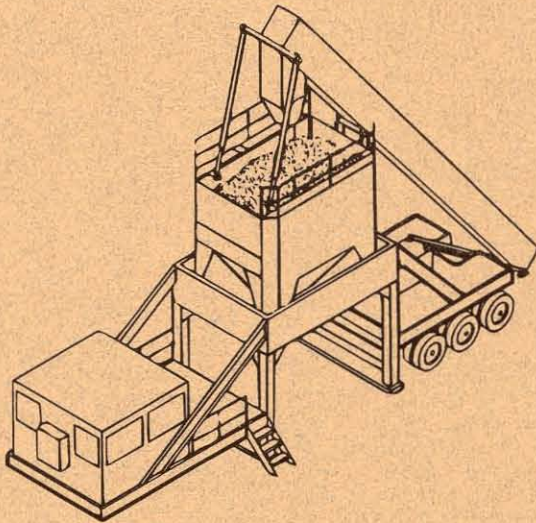
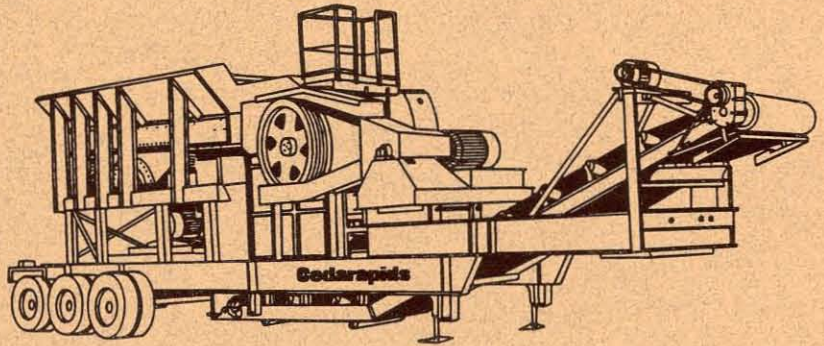
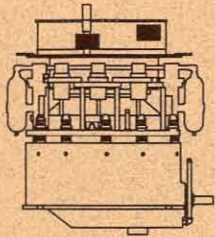


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Parts Manual - Product Support File Copy

Serial Number: 50460

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Cedarapids Inc  
909 17th Street NE  
Cedar Rapids IA 52402  
Phone: 319 363 3511



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**Technical Manual Correspondence**

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November 30, 2000

Mr Don McLean  
THE MCLEAN COMPANY  
3525 Lakeside Avenue  
Cleveland, OH 44114

UPS Ground  
11 Lbs / \$4.87  
1Z5304740341216237

<b>Equipment</b>	<b>Serial Number</b>
<b>Model CR361R Grayhound Paver with Stretch 16 Screed .....</b>	<b>50460</b>

Enclosed are Parts and Service information for the above equipment:

Customer Parts Manuals .....	2
Customer Operation & Maintenance Manuals .....	2
Distributor Parts Dept Parts Manual .....	1

Additionally, (1) Operation & Maintenance Manual and (1) package of miscellaneous manuals were included with the equipment for shipment.

We appreciate your purchase of Cedarapids Hot Mix Asphalt Paving equipment. If you have any questions or comments regarding these manuals, please feel free to contact me. My phone number is (319) 399-4778 or fax at (319) 399-3108.

Sincerely,  
Jerry Meyer - Technical Publications

Parts Department File Copy Menu Sheet

Date: 11-29-00

Machine Serial: 50460

**CR351 / 361 & 361R Hot Mix Paver with Slat Conveyor**

Start with form 21286 dated 4/00.

Add one of the following Hydraulic Schematics at the end of form 21286 just before the "Screed" tab.

4418-944	for the 351 (12/97)
4418-945	for the 361 (12/97)
<u>4418-956</u>	for the 361R (10/98)

Add one of the following Electrical Schematics after the Hydraulic Schematics.

4418-865	for the 351 (12/96)
4418-937	for the 351 (12/97)
4418-864	for the 361 (12/96)
4418-938	for the 361 (12/97)
4418-973	for 351 (10/99)
<u>4418-974</u>	for 361 & 361R (10/99)

If the unit is equipped with a screed, add a "Screed" tab, the appropriate screed O&M and Schematic after the screed O&M.

Add one of the following...	19373	Fastach 8' Screed
	18537	Fastach 10' Screed
	22415	Fastach II Screed
	<u>22416</u>	Stretch 16 Screed
	20834	Carlson Easy Screed III

And one of the following...	4418-867	Fastach 8', Vendor Strike Offs only
	4418-695	Fastach 8', 9704-658-78 (6/90) Hyd. Ext. only
	4418-703	Fastach 8', 9704-658-85 (3/90) Hyd. Ext. & Slope
	4418-639	Fastach 10' (8/88) Hydraulic
	4418-698	Fastach 10' 9704-658-80 (6/90) Hydraulic
	4418-748	Fastach 10' w/ EZ Screed II (11/91) Hydraulic
	None Available	Fastach II Screed
	<u>4418-818</u>	Stretch 16

If the unit is equipped with the following Automatic Controls, add the "Feeder/Grade & Slope Control" tab and the applicable manual(s) after the screed schematic.

21048	Topcon System Four
<u>20576</u>	Gen III Sonic Feeder Control



**Model CR361R Grayhound  
Hot Mix Asphalt Paver**

**Serial Number: 50460**  
**Tractor Module: 0973940**  
**Screed Module: 0910940**

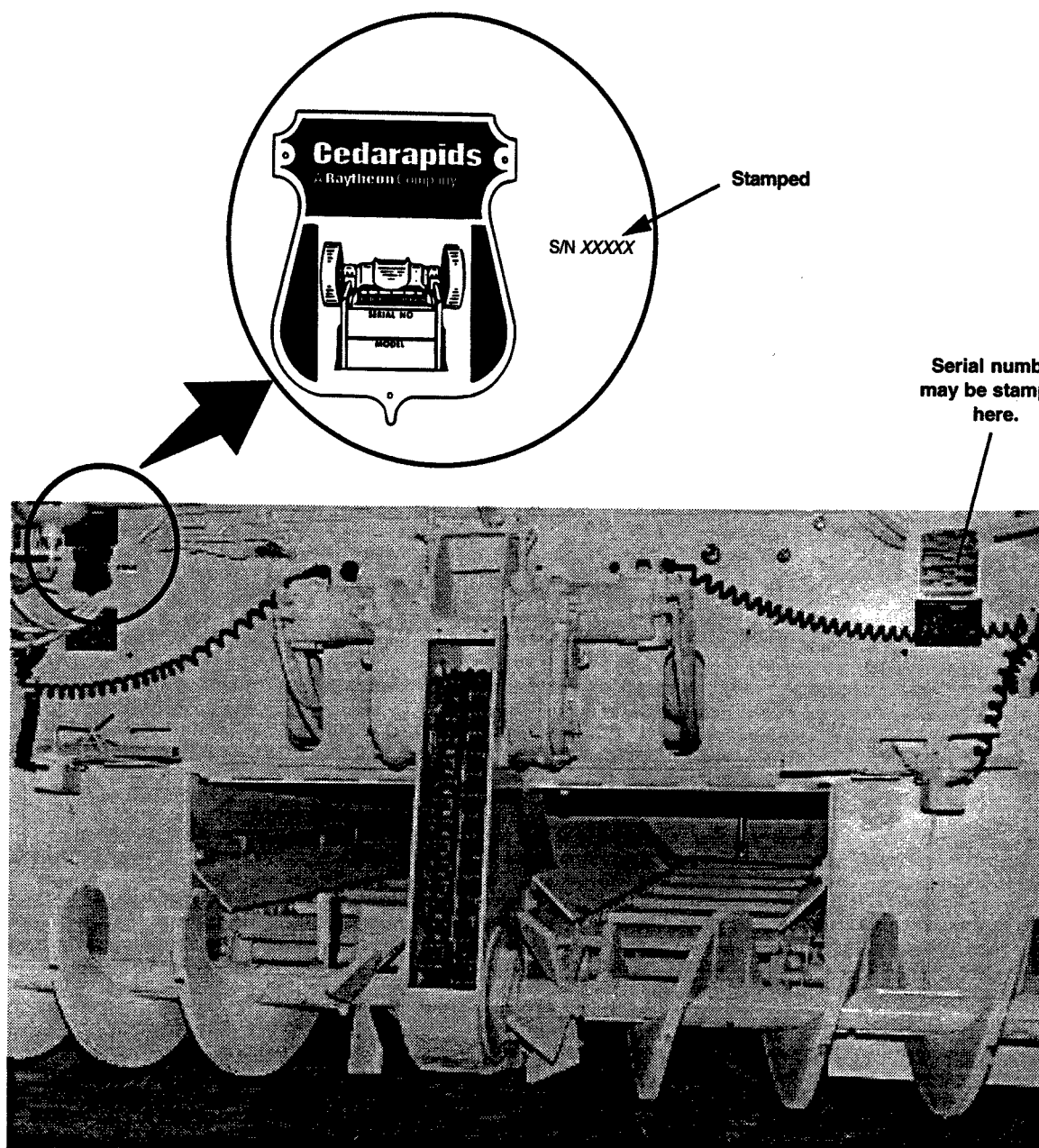
## Identification Number Location

### Tractor

The serial number plate for current model tractors can be found on the left rear frame bulkhead. In addition, the serial number will be stamped into the bulkhead to the right of the serial number plate.

On early model tractors, the serial number may be stamped into the bulkhead and covered with the serial number plate.

The serial number will also appear on the lubrication decal found on the right rear frame bulkhead.



---

**Identification Number Location****Screed**

The various Fastach and Stretch screeds carry both a serial number and a module number to simplify identification when ordering parts.

The identification plate bearing both numbers is located on the right-hand screed pull arm on the current Fastach screeds. In addition, the screed module number is stamped on the right-hand pull arm below the identification plate.

The plate is on the right-hand tipping frame on the current Stretch screeds. The module number is also stamped directly below the identification plate and on the right-hand main screed frame end plate.

On early-model Fastach and Stretch screeds where the serial number was not included on the screed, the serial number of the tractor must be used when ordering parts for the screed or tractor.

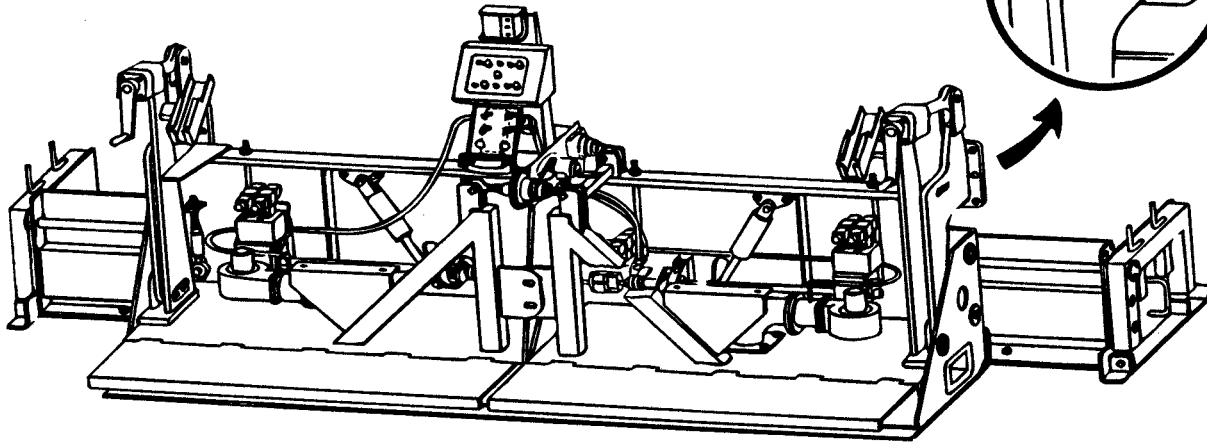
If a Fastach screed is shipped as a single item (to be mounted on a paver in the field) the serial plate will be mounted below the screed identification plate on the right-hand pull arm.

On single-item Stretch screeds the serial plate will be adjacent to the screed identification plate on the right-hand tipping frame.

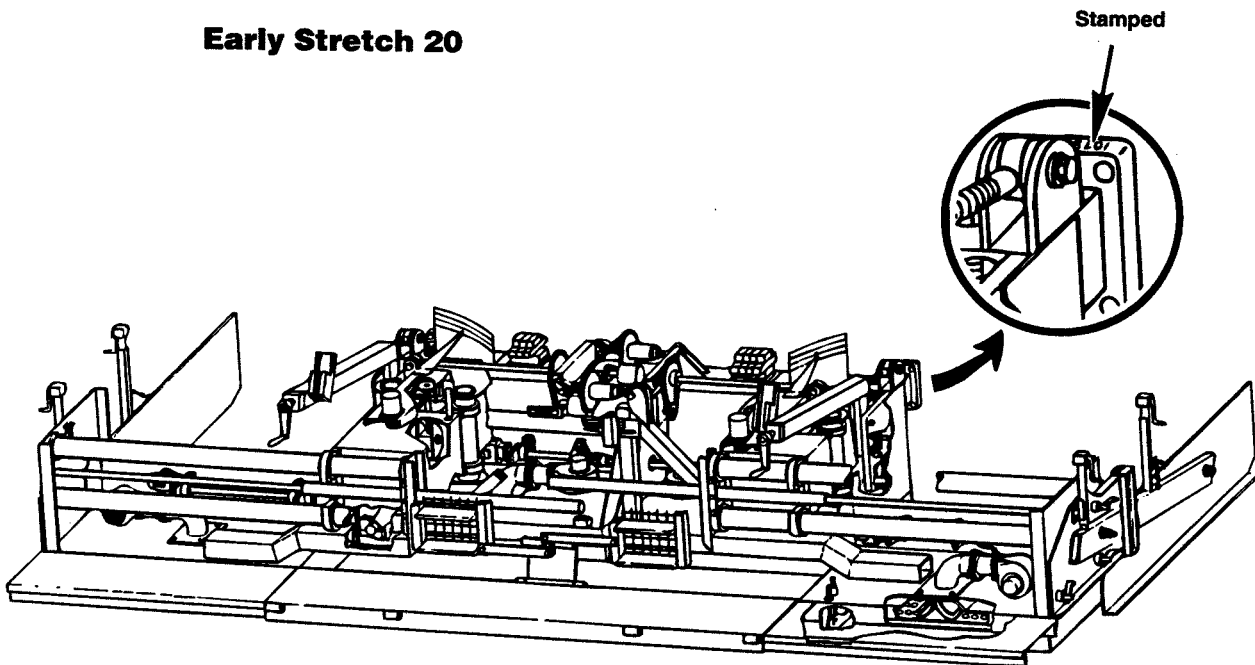
Refer to the illustrations for location of the stamped module numbers and identification

**Identification Number Location**

**Early Fastach**

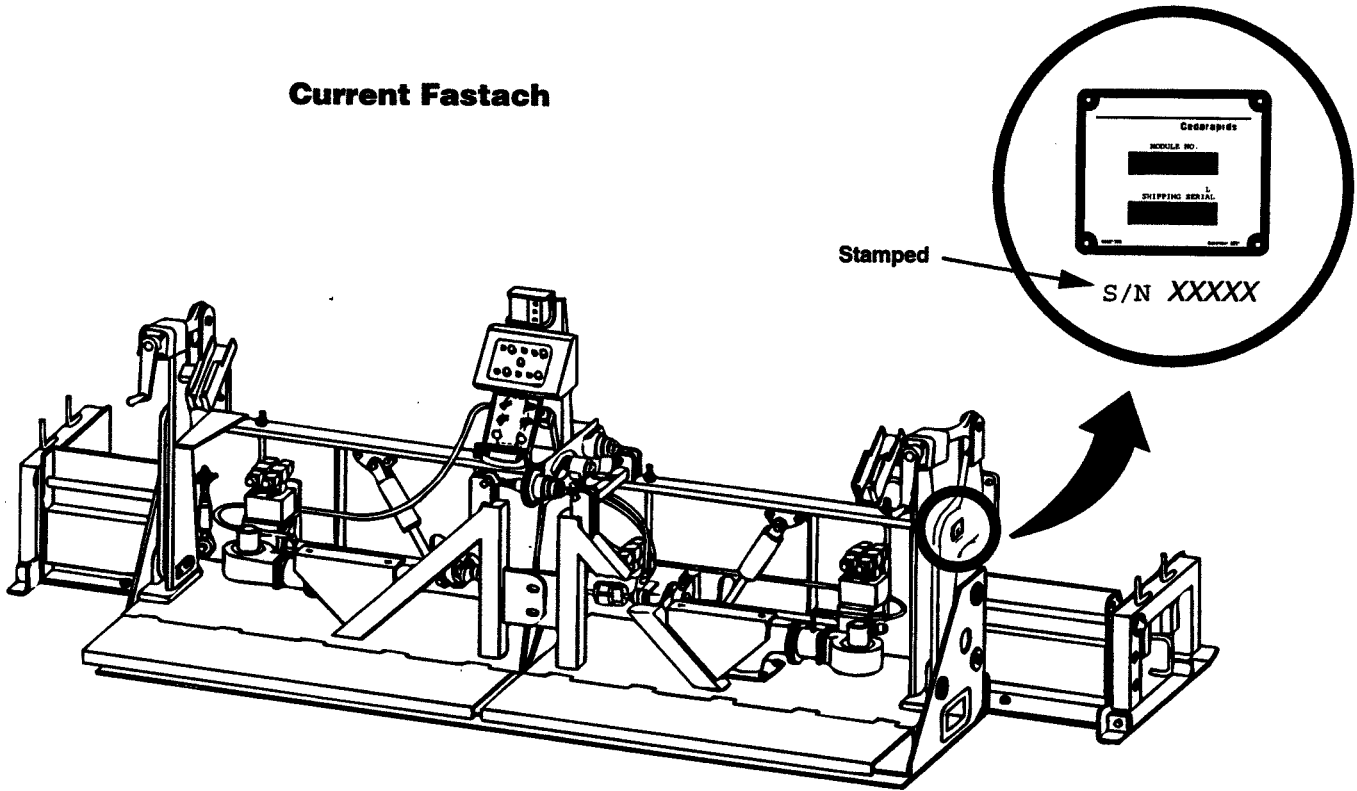


**Early Stretch 20**

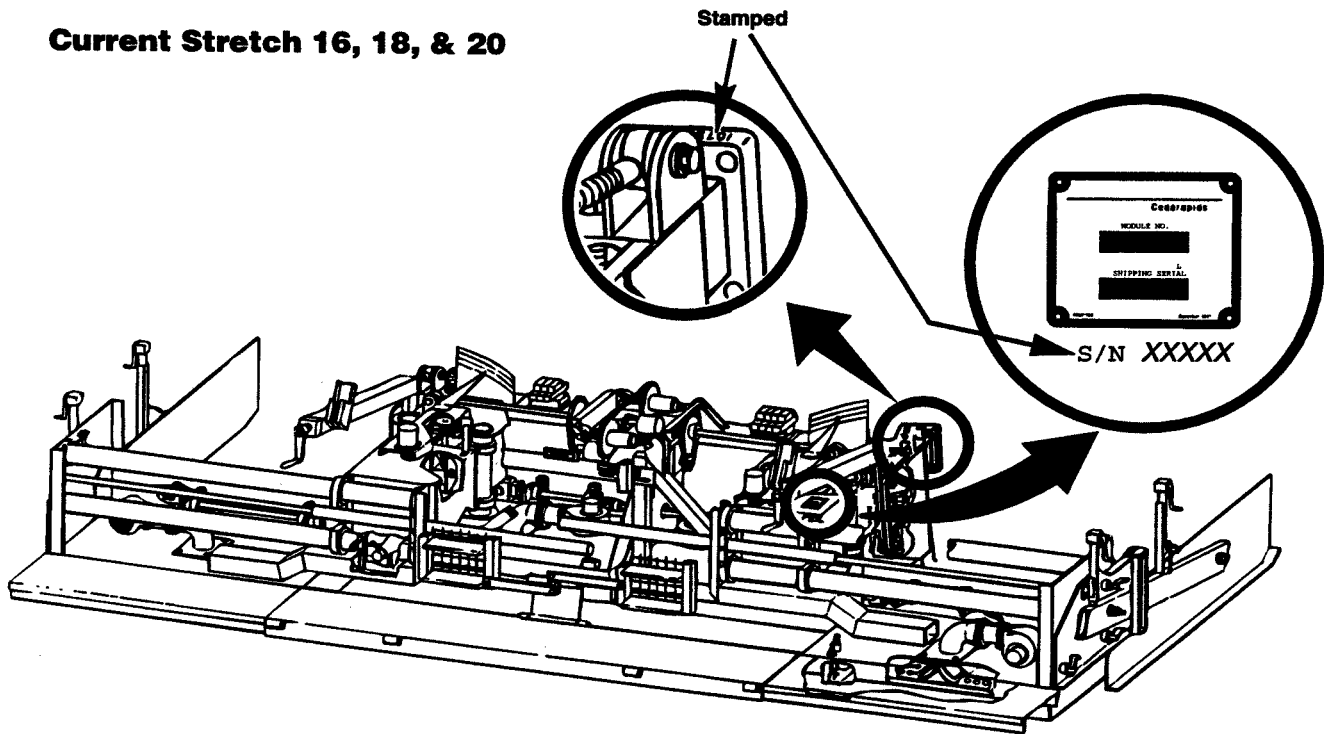


**Identification Number Location**

**Current Fastach**



**Current Stretch 16, 18, & 20**







## Filter Kits - Grayhound Pavers

### 500 Hour Filter Kit for 300 Series Pavers (P/L 5210WCE).

Part Number	Description	Quantity
9704-452-30	Filter Kit - Complete	
45930-001-10-03	Fuel Filter, Primary Engine	1
45930-001-10-04	Fuel Filter, Secondary Engine	1
45930-001-10-02	Oil Filter, Engine	1
45690-001-27-01	Element, Engine Air Cleaner	1
45175-509-03	Filter, Hydraulic	2
45175-001-43-01	Fuel Filter, Burner	1
45175-001-40	Fuel Filter, Burner	4
45690-001-27-04	Element, Engine Air Cleaner Safety	1
45930-001-18-02	Strainer, Fuel	1

### 500 Hour Filter Kit for 400 Series Pavers (P/L 5210WCF).

Part Number	Description	Quantity
9704-452-03	Filter Kit - Complete	
45930-001-10-03	Fuel Filter, Primary Engine	1
45930-001-10-04	Fuel Filter, Secondary Engine	1
45930-001-10-02	Oil Filter, Engine	1
45690-001-27-01	Element, Engine Air Cleaner	1
45175-001-41-01	Filter, Hydraulic - Charge Pressure	4
45080-510-51-01	Filter, Hydraulic - Auxiliary Pressure	1
45175-001-43-01	Fuel Filter, Burner	1
45175-001-40	Fuel Filter, Burner	4
45690-001-27-04	Element, Engine Air Cleaner Safety	1

### 500 Hour Filter Kit for 400 / 500 Series Pavers with Poly Chain Drive Belts (P/L 5210WCL).

Part Number	Description	Quantity
9704-452-53	Filter Kit - Complete	
45930-001-10-03	Fuel Filter, Primary Engine	1
45930-001-10-04	Fuel Filter, Secondary Engine	1
45930-001-10-02	Oil Filter, Engine	3
45690-001-31-01	Element, Primary - Engine Air Cleaner	1
45690-001-31-02	Element, Safety - Engine Air Cleaner	1
45175-001-41-01	Filter, Hydraulic - Charge Pressure	4
45080-510-51-01	Filter, Hydraulic - Auxiliary Pressure	1
45175-001-43-01	Fuel Filter, Burner	1
45175-001-40	Fuel Filter, Burner	4
45930-001-18-02	Strainer, Fuel	1
45930-001-18-03	Element, Engine Oil	3



## Uptime Kit - Grayhound Pavers

### Uptime Kit for 351, 361, & 411 Pavers - Parts List 5210WCM

Ref. No.	Part Number	Description	Quantity
	9704-452-70	Uptime Kit - Complete	As Req
1	45251-005-59	Nozzle, Screed Extension	4
2	45652-512-16	Nozzle	4
3	45652-553-05	Plug, Glow CH3	2
4	45652-504-12-01	Motor, Blower	1
5	7442-071-11	V-Belt, 5VX710 (3 Belts)	2
6	45252-005-38	Valve, Solenoid 4 Way	1
7	46275-010-36	Connector, DIN with Mov.	2
8	46325-002-43	Relay, Auto P & B	1
9	46065-500-27	Module, Amp	1
10	46200-009-06	Switch, Toggle	1
11	46200-009-08	Switch, Toggle	1
12	46200-009-18	Switch, Toggle	1
13	46200-009-21	Switch, Toggle	1
14	46190-003-76	Fuse, 14 Amp / 32 VDC	2
15	9704-416-35	Potentiometer, Dual w/ Leads	1
16	9704-416-36	Potentiometer, Single	1
17	9704-416-50	Potentiometer, Speed	1
18	45825-004-04	Belt, 125 Teeth /37mm Wide	2

### Uptime Kit for 451, 461, 551, & 561 Pavers - Parts List 5210WDK

Ref. No.	Part Number	Description	Quantity
	9704-452-71	Uptime Kit - Complete	As Req
1	45251-005-59	Nozzle, Screed Extension	4
2	45652-512-16	Nozzle	4
3	45652-553-05	Plug, Glow CH3	2
4	45652-504-12-01	Motor, Blower	1
5	45825-004-04	Belt, 125 Teeth /37mm Wide	2
6	45252-005-38	Valve, Solenoid 4 Way	1
7	46275-010-36	Connector, DIN with Mov.	2
8	46325-002-43	Relay, Auto P & B	1
9	46065-500-27	Module, Amp	1
10	46200-009-06	Switch, Toggle	1
11	46200-009-08	Switch, Toggle	1
12	46200-009-18	Switch, Toggle	1
13	46200-009-21	Switch, Toggle	1
14	46190-003-76	Fuse, 14 Amp / 32 VDC	2
15	9704-416-35	Potentiometer, Dual w/ Leads	1
16	9704-416-36	Potentiometer, Single	1
17	9704-416-50	Potentiometer, Speed	1



**Section Index**

<b>Description</b>	<b>Section</b>
Component Index .....	1
Track Assembly .....	2
Main Frame, Hopper Wings & Tractor Accessories .....	3
Slat Conveyors, Liners and Screw .....	4
Screed .....	5
Drives and Power Mounting .....	6
Hydraulic Components .....	7
Electrical Components .....	8

**OPTIONAL EXTRA EQUIPMENT**

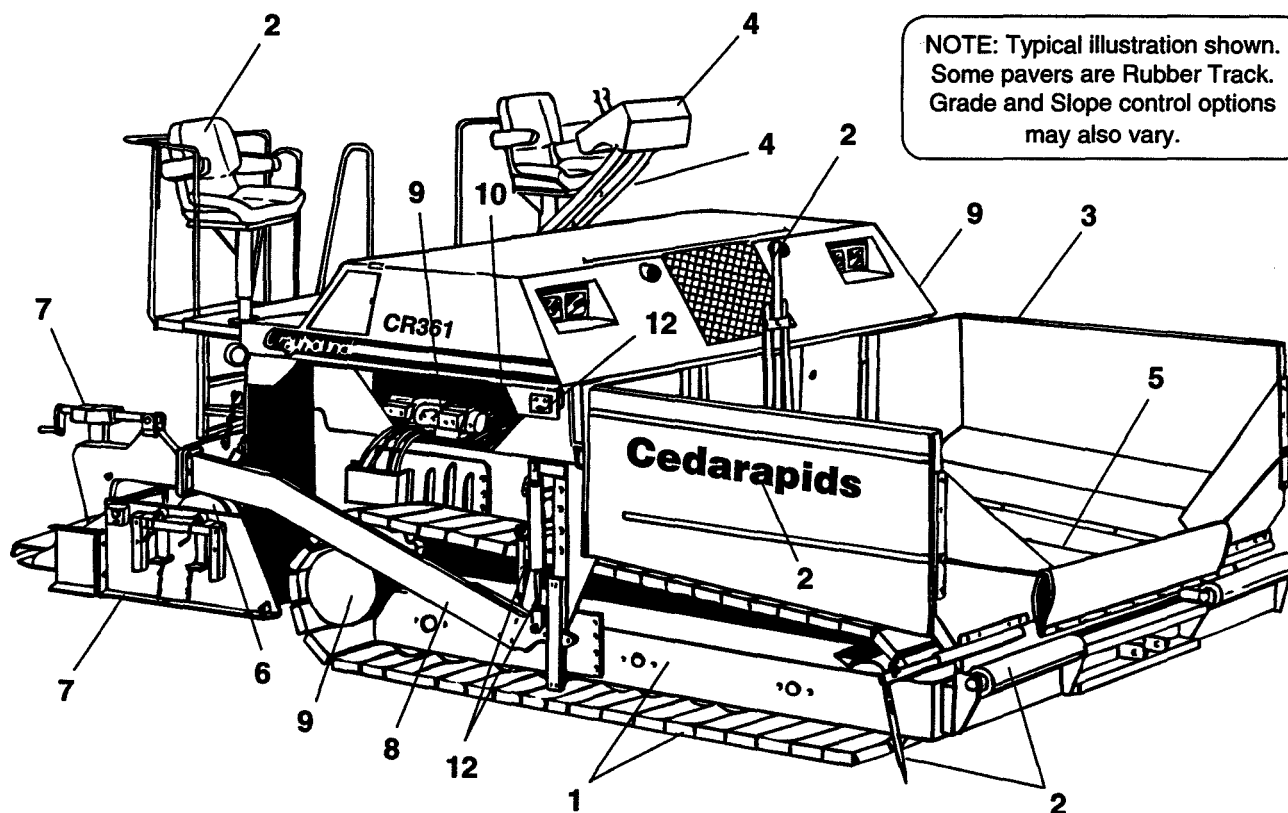
IF THIS SECTION IS MISSING FROM YOUR PARTS MANUAL,  
THIS MEANS THE OPTION WAS NOT PURCHASED.

Grade & Slope Controls .....	9
Truck Hook & Plumbing .....	10





### Components



NOTE: Typical illustration shown. Some pavers are Rubber Track. Grade and Slope control options may also vary.

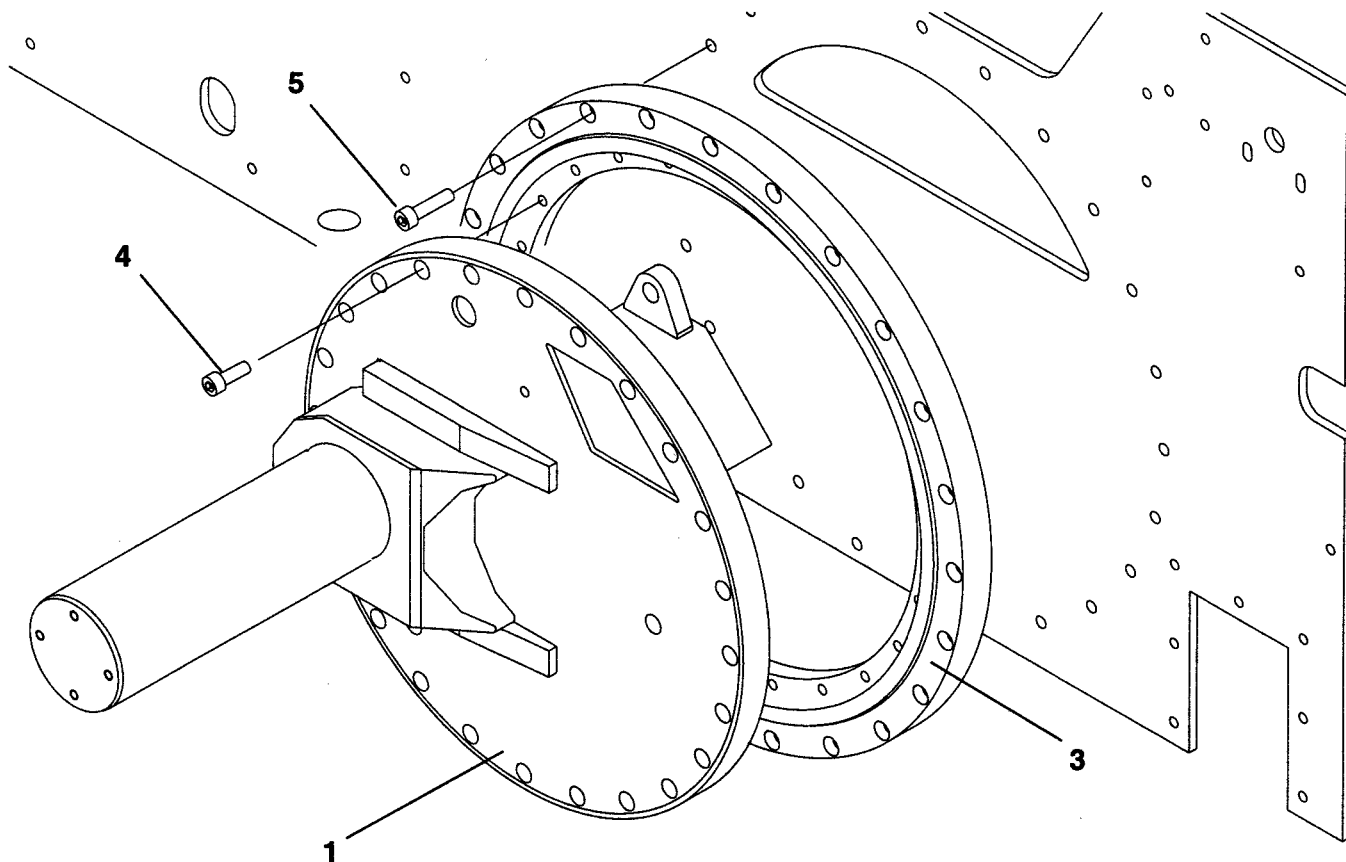
Ref. No.	Description	Section
1	Track Assembly .....	2
2	Main Frame Parts & Tractor Accessories .....	3
3	Hopper Wings .....	3
4	Operator's Console .....	3
	Mechanical Parts .....	3
	Hydraulic Parts .....	7
	Electrical Parts .....	8
5	Slat Conveyor, Liners & Skirtboards .....	4
6	Screw Conveyor .....	4
7	Screed .....	5
8	Pull Arms & Lift .....	5
9	Power Mounting & Drives .....	6
	Pump Drives .....	6
	Fuel System .....	6
	Hood .....	6
	Radiator & Cooler .....	6
	Track Drive (Steel Track units only) .....	6
10	Hydraulic Components .....	7
11	Electrical Parts .....	8

#### OPTIONAL EQUIPMENT:

12	Grade & Slope Controls .....	9
13	Truck Hook & Plumbing (Not Shown) .....	10



**Track Mounting w/ Frame Raise**

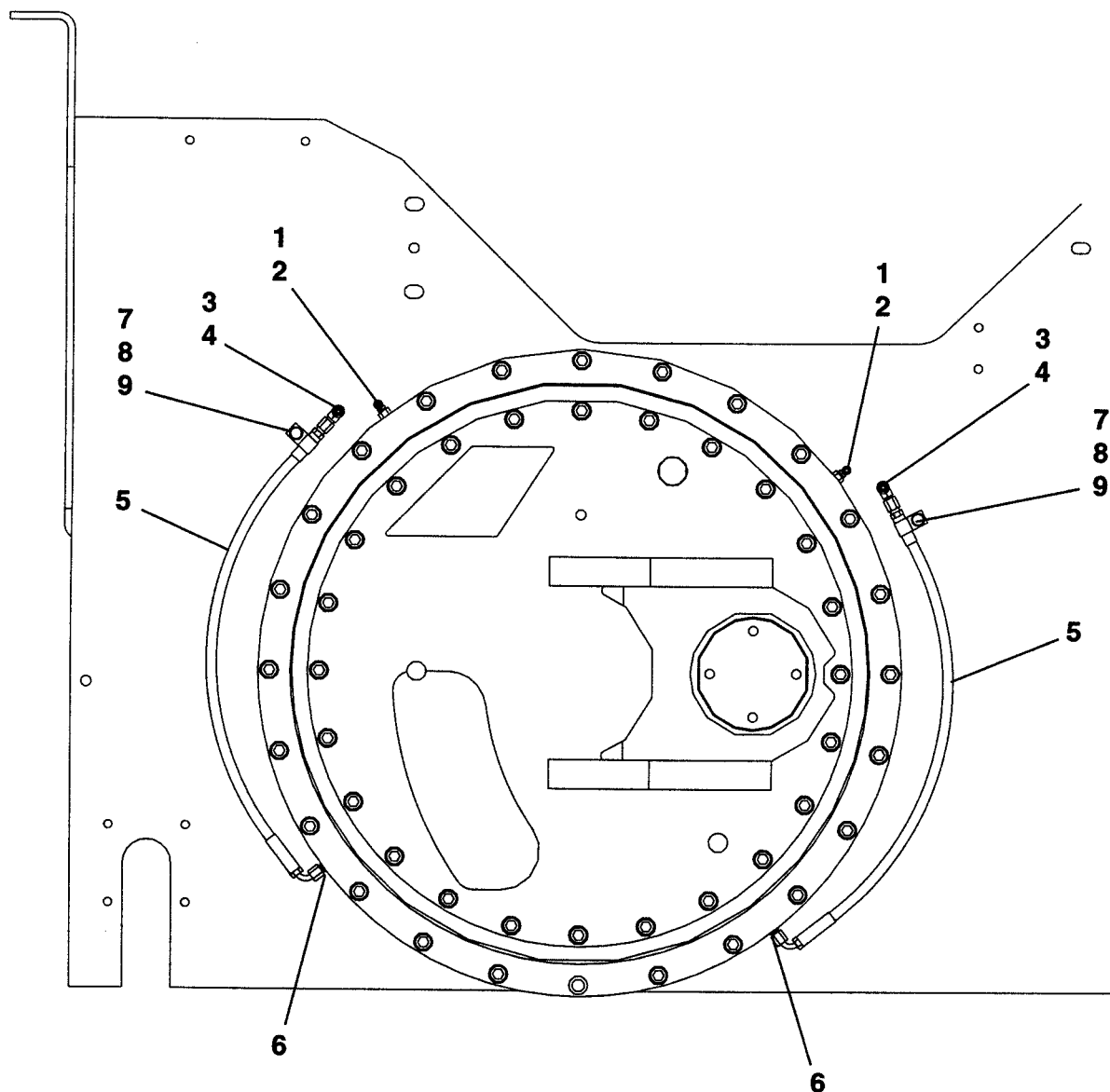


**NOTE: Left Hand Assembly shown.  
Right Hand Side equal & opposite.**

Ref. No.	Part Number	Description	Quantity
1	9704-062-53	Eccentric, LH Frame Raise	1
2	9704-062-54	Eccentric, RH Frame Raise (Not Shown)	1
3	45134-003-32	Bearing, Paver Frame Raise	2
4	7025-031	Capscrew, 5/8" NC x 1-1/4" - Sockethead	48
5	7025-034	Capscrew, 5/8" NC x 2" - Sockethead	46

**NOTE: Quantities are for both Left and Right Sides.**

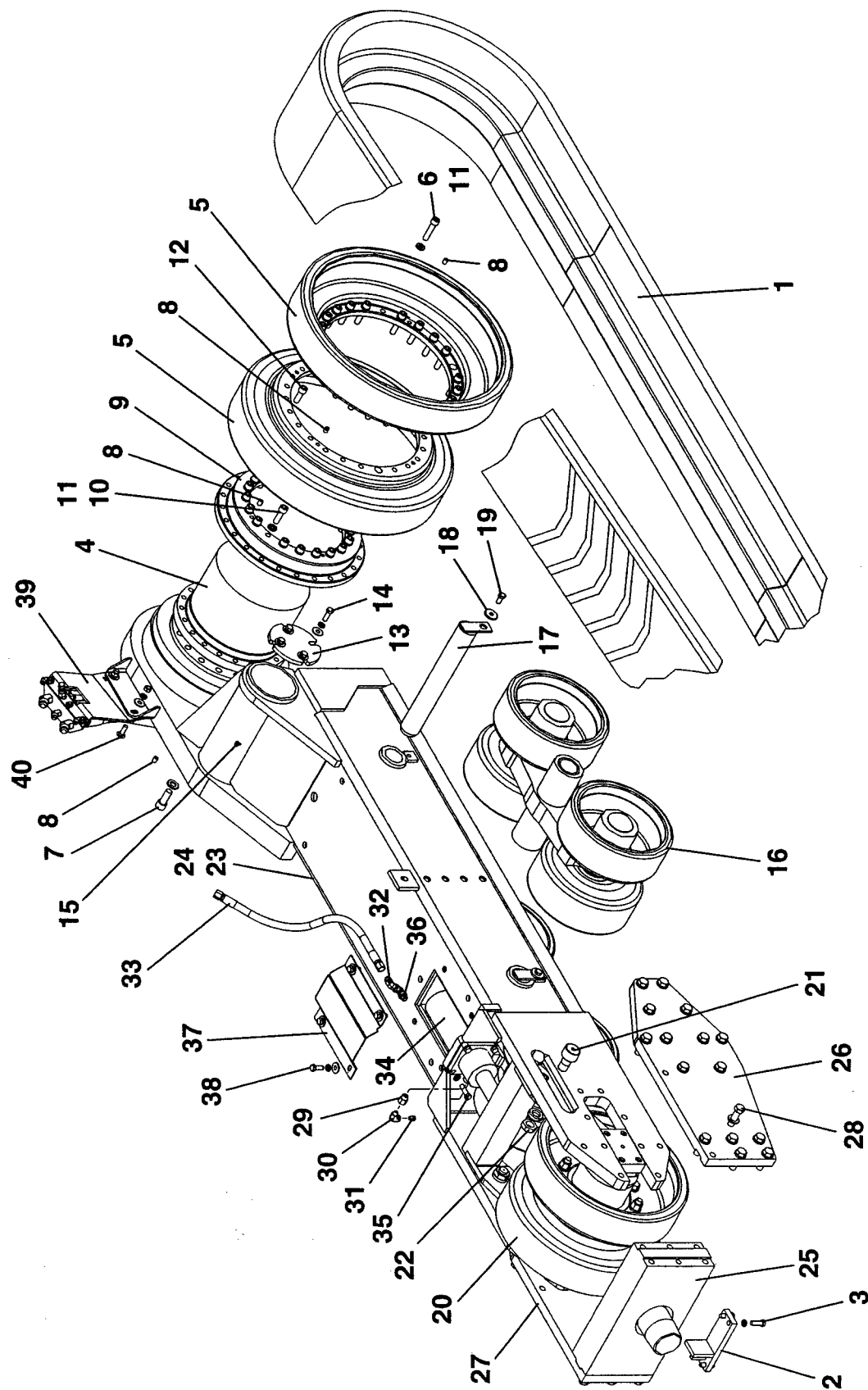
**Grease Lines  
Frame Raise Plumbing**



Ref. No.	Part Number	Description	Quantity
1	7051-004	Grease Nipple, 1/8" 90°	4
2	7053-001	Nipple, Grease Extension	4
3	7051-001	Grease Fitting, 1/8" Straight	4
4	7430-084	Elbow, 90° 1/8" x 1/4"	4
5	7650-027-35	Hose Assembly, 1/4" x 27"	4
6	7430-001	Connector, 1/8" x 1/4"	4
7	7509-004	Hose Clamp, 5/8"	4
8	7383-035	Capscrew, 3/8" NC x 5/8"	4
9	7014-003	Lockwasher, 3/8"	4



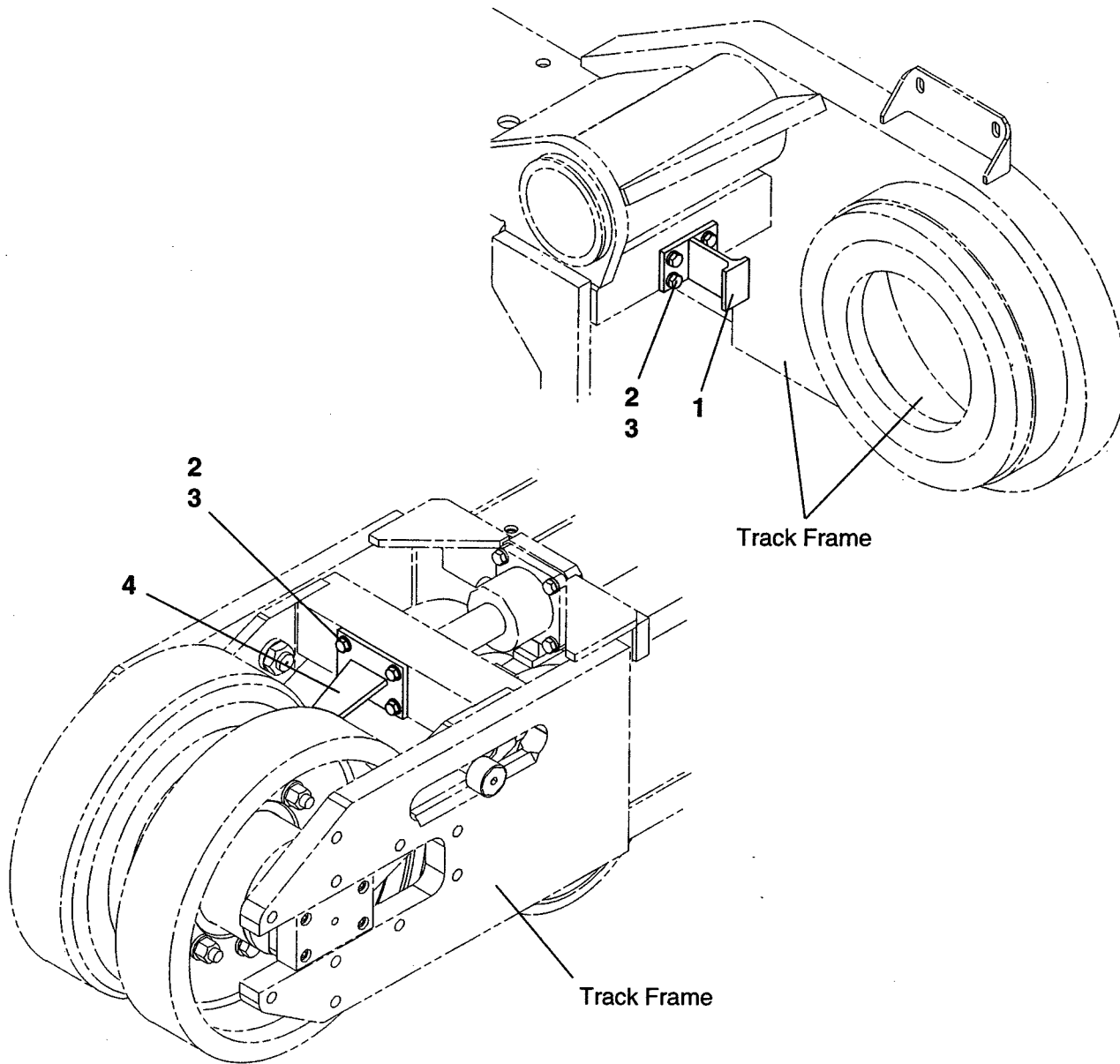
### Rubber Track Frame



## Rubber Track Frame

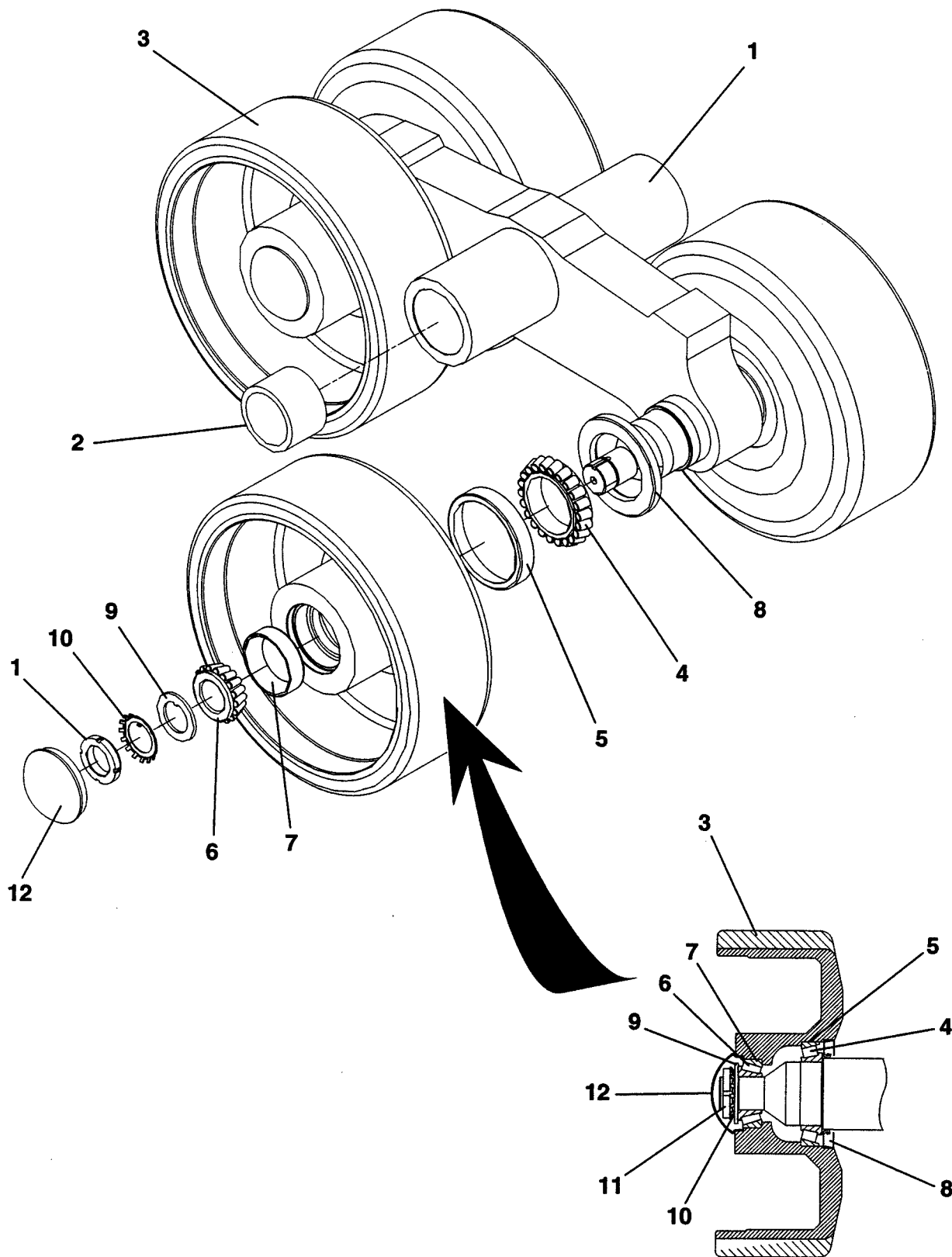
Ref. No.	Part Number	Description	Quantity
1	45610-003-04	Track, Paver	2
2	9704-062-65	Bracket, Track Pivot Retaining	2
3	{ 7383-070	Capscrew, 1/2" NC x 1-1/2"	8
	{ 7014-005	Washer, 1/2" Lock	8
4	45080-006-22	Hydraulic Motor - <i>See Form # 21739, This section</i>	2
5	9704-062-30	Drive Wheel, 14" Rubber Track	4
6	7026-037	Capscrew, SCH 5/8" NF x 2-3/4"	44
7	{ 45890-300-29	Capscrew, SCH M20 x 50	32
	{ 7465-003	Washer, 3/4" Hardened Flat	32
8	7129-102	Screw, Set 1/2" NC x 3/4"	32
9	9704-062-34	Adapter Ring, Drive Wheel	2
10	45890-303-03	Capscrew, SCH 16MM	40
11	7014-007	Washer, 5/8" Lock	84
12	7026-033	Capscrew, SCH 5/8" NF x 1-3/4"	4
13	9704-059-69	Plate, Shaft End	2
14	{ 7383-070	Capscrew, 1/2"NC x 1-1/2"	8
	{ 7014-005	Washer, 1/2" Lock	8
	{ 7014-020	Washer, 1/2"	8
15	7051-004	Fitting, Grease 1/8" 90°	2
16	9704-062-50	Bogie Assembly - <i>See Form # 22020-22021, This Section</i>	4
17	9704-062-62	Shaft, Bogie Pin	4
18	9700-459	Washer	4
19	7383-068	Capscrew, 1/2" NC x 1"	4
20	9704-062-25	Idler Assembly - <i>See Form # 22022-22023, This Section</i>	2
21	45134-003-31	Cam Roller	4
22	{ 7014-012	Washer, 1-1/8"	4
	{ 7017-055	Hex Nut 1-1/8" NF Jam	4
23	9704-062-35	Frame, L.H. Track	1
24	9704-062-36	Frame, R.H. Track	1
25	9704-062-32	Plate, Nose	2
26	9704-061-45	Plate, L.H. Nose	2
27	9704-061-46	Plate, R.H. Nose	2
28	{ 7465-003	Washer, 3/4" Hardened Flat	64
	{ 7383-120	Capscrew, 3/4" NC x 2-1/2"	64
29	45720-775-29	Fitting	2
30	45720-770-02	Elbow, 90° 1/4"	2
31	45690-004-04	Breather, Vent 1/4"	2
32	7430-405	Elbow, 1/2" Swivel	2
33	7662-032-33	Hose Assembly, 1/2" 100R2 x 32"	2
34	45090-010-09	Hydraulic Cylinder - <i>See Form # 21817, This section</i>	2
35	{ 7383-071	Capscrew, 1/2" NC x 1-3/4"	8
	{ 7014-005	Washer, 1/2" Lock	8
36	7430-278	Elbow, 90° 3/4" x 1/2" - w/ O-Ring	2
	45259-508-14	O-Ring, 3/4" (For Above Fitting)	As Req
37	9704-062-07	Cover, Cylinder	2
38	{ 7014-020	Washer, 1/2"	8
	{ 7014-005	Washer, 1/2" Lock	8
	{ 7383-069	Capscrew, 1/2" NC x 1-1/4"	8
39	9704-062-70	Bracket, Hose Support	2
40	{ 7072-102	Carriage Bolt, 1/2" NC x 1-1/2"	4
	{ 7014-020	Washer, 1/2"	4
	{ 7014-005	Washer, 1/2" Lock	4
	{ 7012-027	Hex Nut 1/2" NC	4

**Track Frame Scrapers**



Ref. No.	Part Number	Description	Quantity
1	9704-063-67	Weldment, Rear Scraper	1
2	7014-005	Lockwasher, 1/2"	8
3	7383-070	Capscrew, 1/2" NC x 1-1/2"	8
4	9704-063-68	Weldment, Front Scraper	1

### Rubber Track Bogie





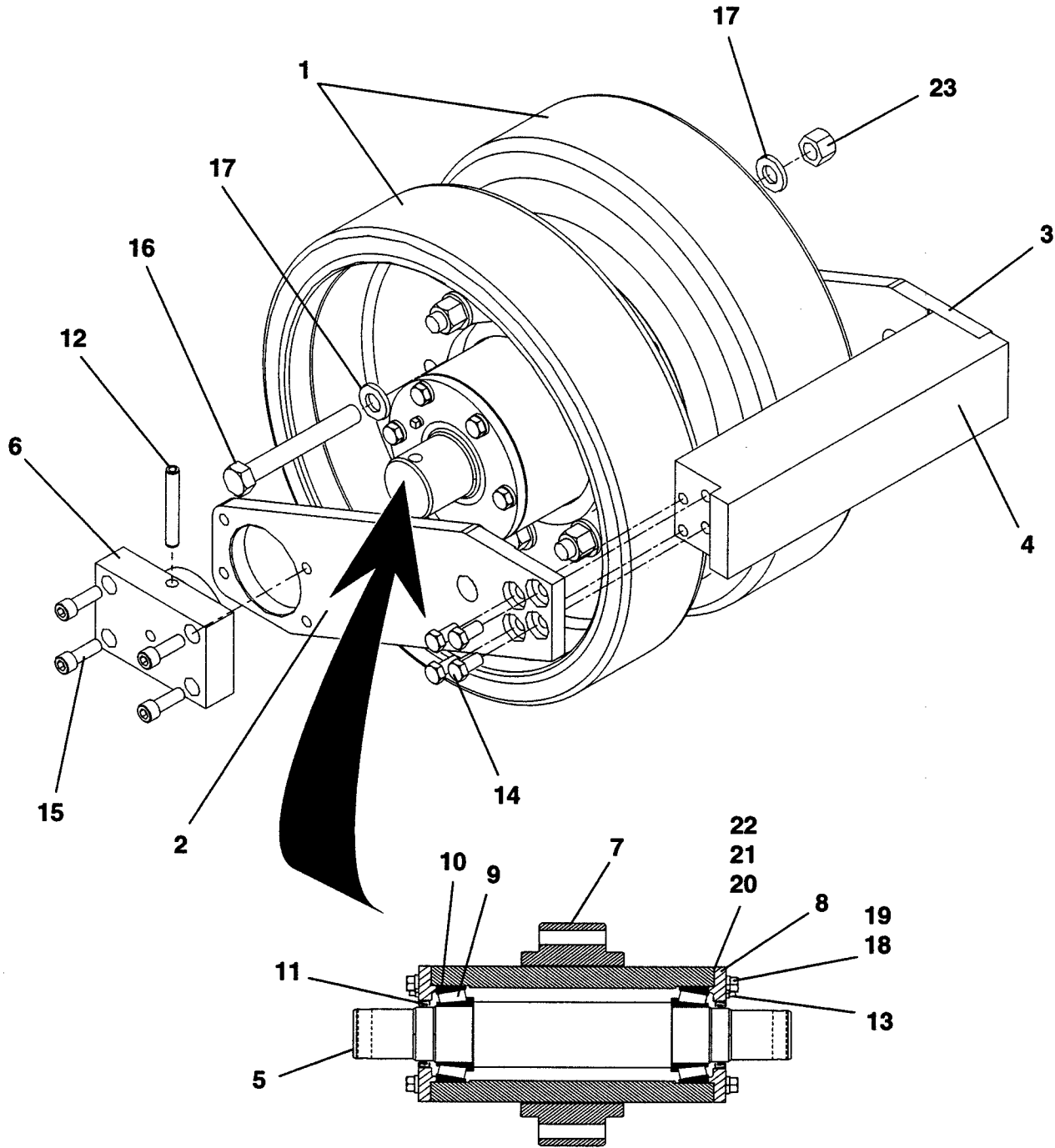
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**Rubber Track Bogie**

Ref. No.	Part Number	Description	Quantity
	9704-062-50	Bogie Assembly ( <i>complete</i> )	1
1	9704-062-49	Bogie, 14" Rubber Track	1
	7030-008	Bearing Nut	4
2	45030-002-08	Bushing	2
3	9704-062-31	Bogie Wheel, 14" Rubber Track	4
4	45130-001-33	Bearing Cone	4
5	45130-002-81	Bearing Cup, 4.3307 OD .7411	4
6	45130-001-94	Bearing Cone, 1.375" Bore	4
7	45130-002-67	Bearing Cup, 2.8437" OD	4
8	45200-292	Seal, Shaft - 2.938" Dia.	4
9	45130-500-15	Washer, Tongued - 1.376" Dia.	4
10	45130-500-14	Washer, Lock Bearing 1.375"	4
11	45404-501-05	Hubcap, Grease Cap / Wheel Hub	4

**NOTE: Quantities shown are for one (1) Bogie assembly only.**

**Take-Up Idler - Rubber Track**



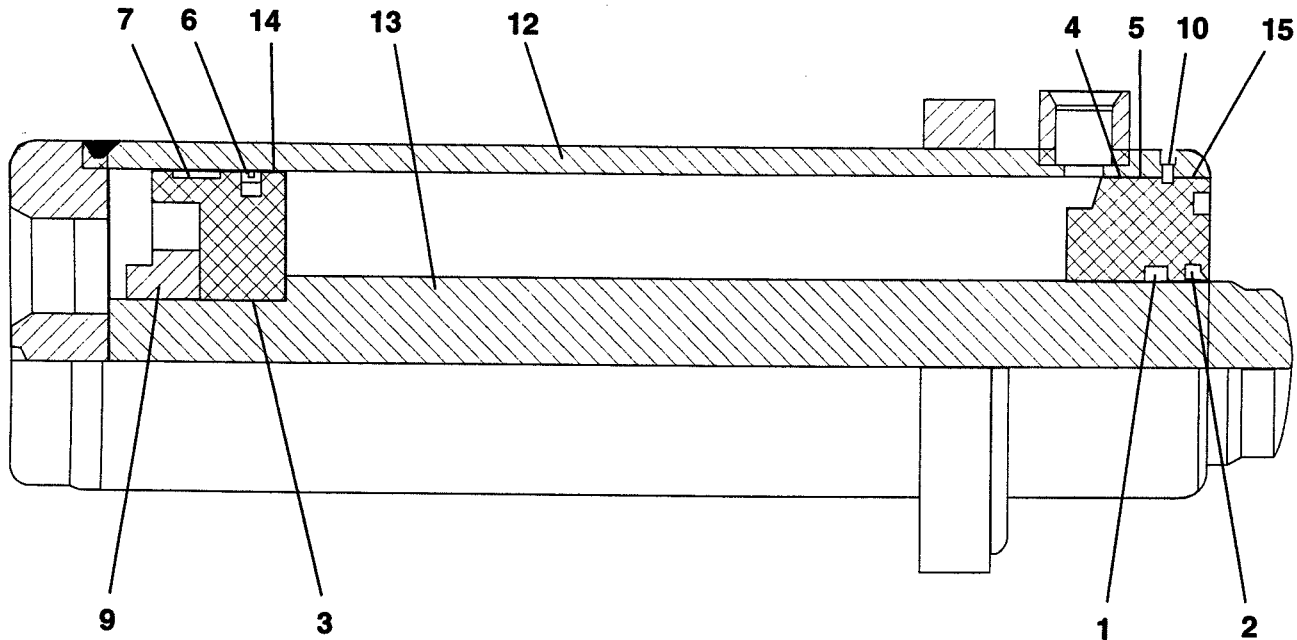


## Take-Up Idler - Rubber Track

Ref. No.	Part Number	Description	Quantity
	9704-062-25	Idler Assembly ( <i>complete</i> )	1
1	9704-062-29	Idler, Wheel - 14" Rubber Track	2
2	9704-062-23	Plate, L.H. Idler - Take-Up	1
3	9704-062-24	Plate, R.H. Idler - Take-Up	1
4	9704-062-27	Push Bar, Idler - Take-Up	1
5	9704-062-28	Shaft, Idler	1
6	9704-061-39	Slider, Idler - Slide Block	2
7	9704-062-26	Housing, Idler	1
8	9704-056-04	Cap	2
9	7132-010	Bearing Cone, 2.9062" Bore	2
10	7132-001	Bearing Cup, 5" OD	2
11	45200-046	Oil Seal, 2-3/4" ID x 3-1/2"	2
12	7238-158	Roll Pin, 1/2" x 3-1/2"	2
13	7024-001	Pipe Plug, 1/8"	2
14	7383-068	Capscrew, 1/2" NC x 1"	8
15	7025-022	Capscrew, Sockethead - 1/2" NC x 1-1/2"	8
16	45890-252-33	Capscrew, 3/4" NF x 6"	8
17	45890-255-51	Washer, 3/4" Hardened Flat	16
18	7383-069	Capscrew, 1/2" NC x 1-1/4"	12
19	7014-005	Washer, 1/2" Lock	12
20	7048-053	Bearing Shim, 5-1/32" ID	2
21	7048-054	Bearing Shim, 5-1/32" ID	3
22	7048-052	Bearing Shim, 5-1/32" ID	1
23	45890-100-52	Locknut, 3/4" NF	8

**NOTE: Quantities shown are for one (1) idler assembly only.**

## Cylinder - Rubber Track

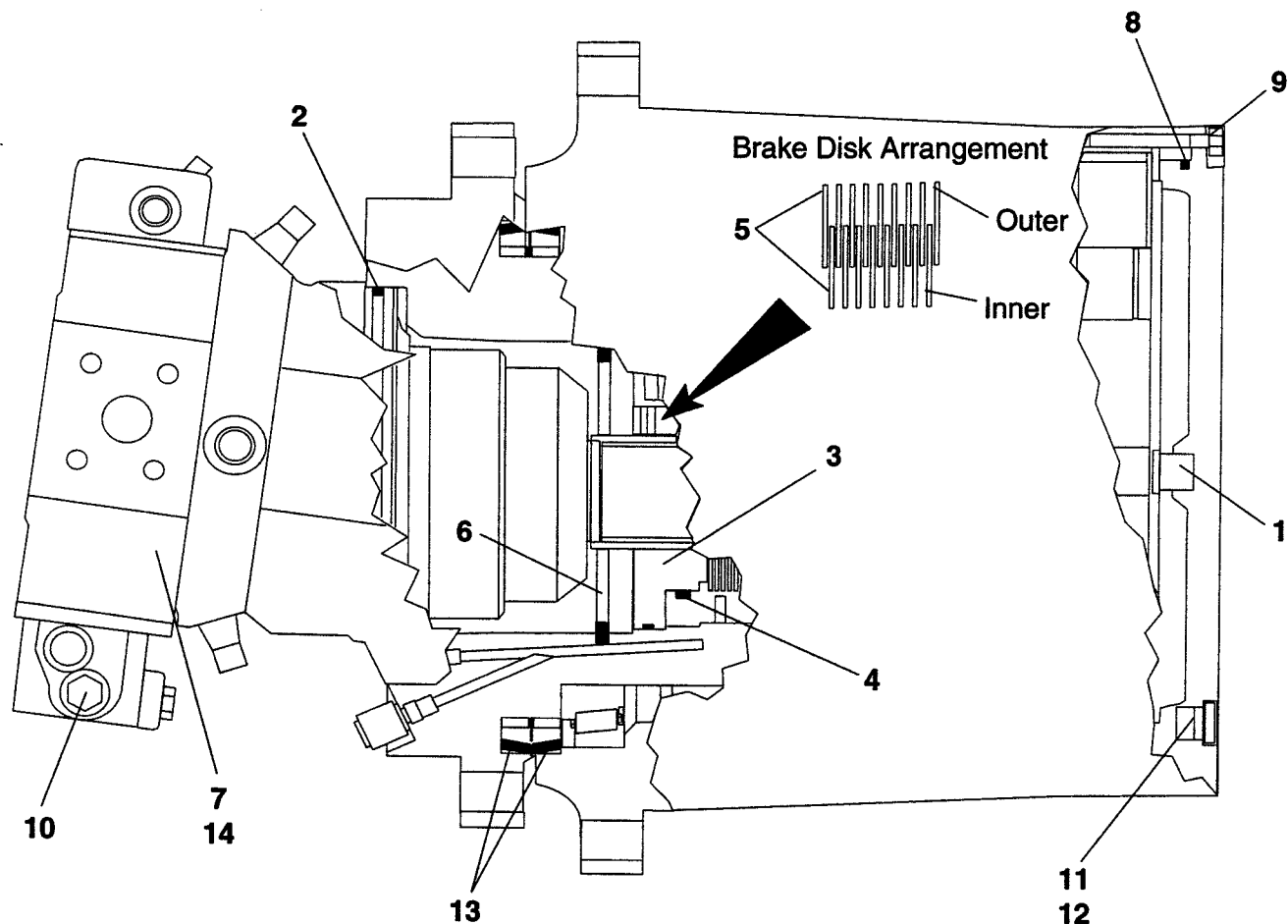


Ref. No.	Part Number	Description	Quantity
	45090-010-09	Cylinder Assembly ( <i>complete</i> )	1
1	45090-010-09-01	Wiper	1
2	45090-010-02	Seal	1
3	45090-010-03	O-Ring	1
4	45090-007-88-03	O-Ring	1
5	45090-007-88-04	Back-Up	1
6	45090-010-09-04	Seal	1
7	45090-010-09-05	Wear Ring	1
8	45090-010-09-06	Seal Kit (Not Shown)	1
9	45090-010-09-07	Lock Nut	1
10	45090-010-09-08	Retaining Ring	1
11	45090-007-88-09	Port Plug (Shipping Purposes Only)	2
12	45090-010-09-09	Tube Assembly	1
13	45090-010-09-10	Rod	1
14	45090-010-09-11	Piston	1
15	45090-010-09-12	Head	1

**NOTE: Quantities Listed for one (1) Cylinder Assembly Only:**



**Hydraulic Motor**

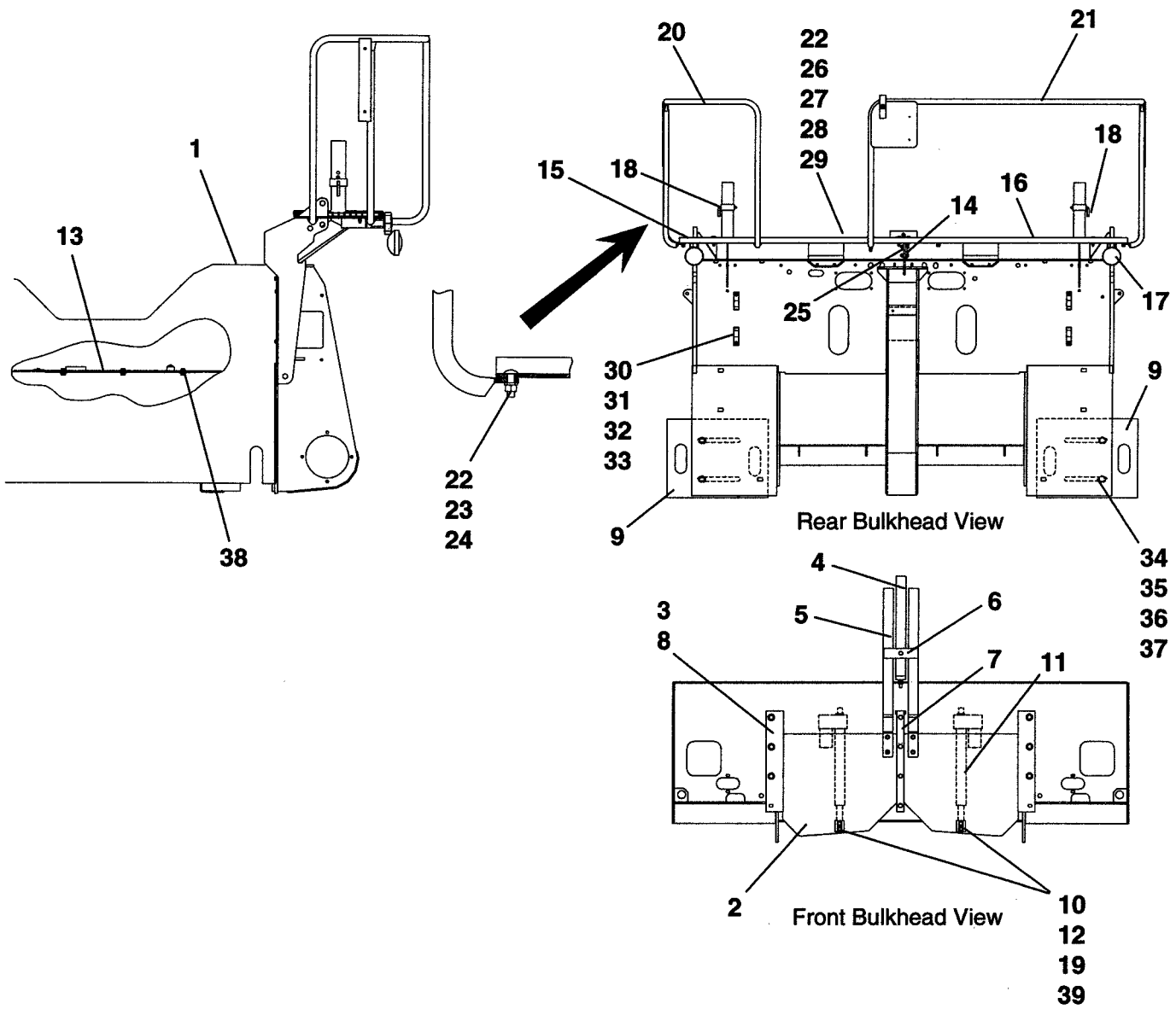


Ref. No.	Part Number	Description	Quantity
	45080-006-22	Hydraulic Motor - <i>Complete</i>	
1	45080-006-22-04	Button, Thrust	1
2	45259-508-83	O-Ring	1
3	45080-006-22-05	Piston	1
4	45080-006-22-03	Brake Seal Kit	1
5	45080-006-22-02	Brake Disk Kit	1
6	45080-006-22-06	Ring, Snap	1
7	45080-006-08-01	Motor, Hydraulic	1
8	45259-508-92	O-Ring	1
9	45080-006-22-01	Bolt, Hex Head	12
10	45080-006-08-02	Valve, Flushing	1
11	45080-004-79-05	Ring, Seal	2
12	45080-004-79-06	Plug	2
13	45080-004-79-14	Seal, Face	1
14	45080-006-08-03	Kit, O-Ring - Motor ( <i>Included with item 7</i> )	1

**NOTE: Quantities shown are for one (1) motor assembly.**



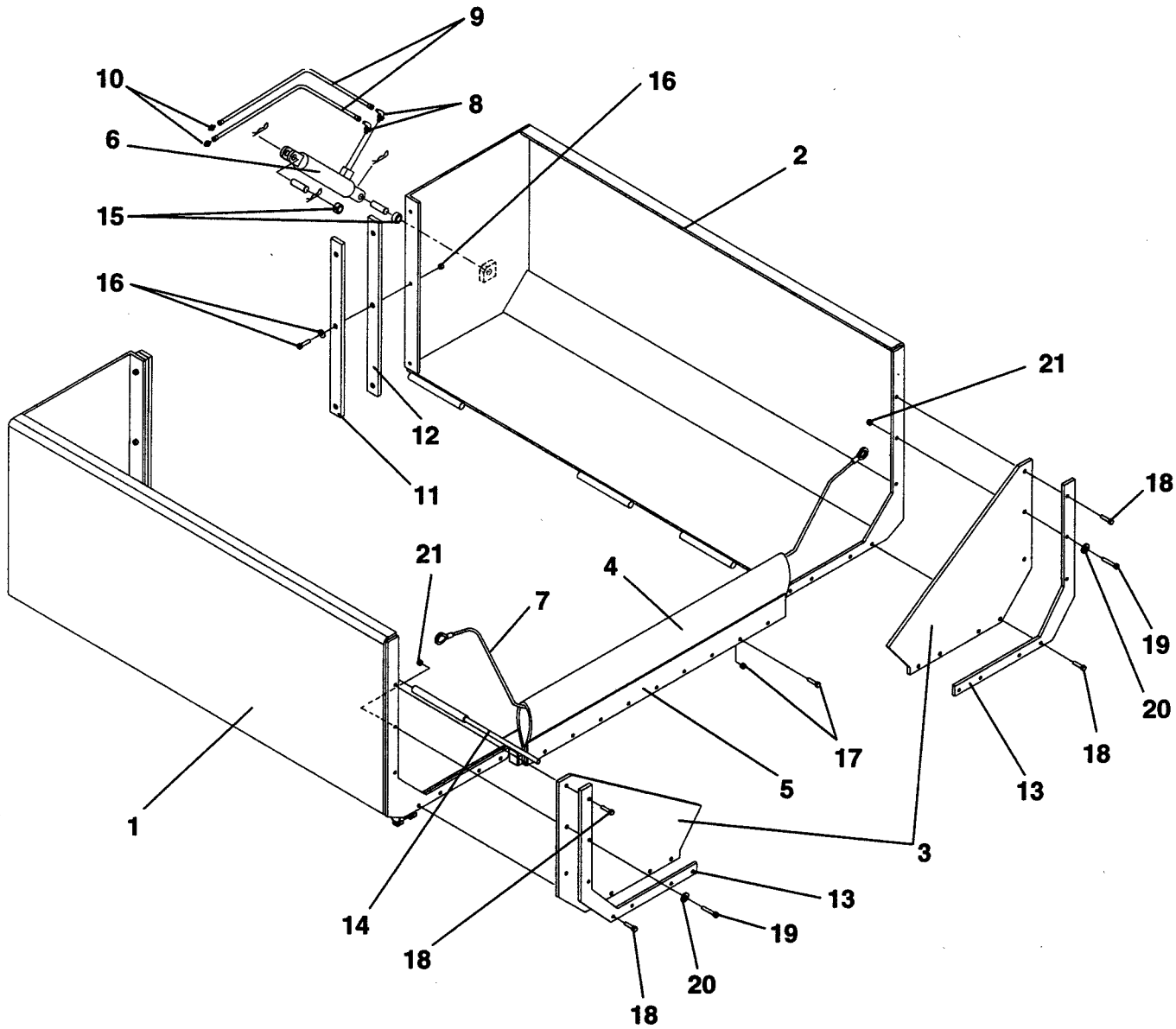
**Main Frame Parts**



## Main Frame Parts

Ref. No.	Part Number	Description	Quantity
1	9704-013-53	Main Frame	1
2	9704-009-52	Gate, Hopper	2
3	9704-007-85	Clamp, Outer Gate	2
4	9704-007-81	Flat, Decal Mounting Bracket	1
5	9704-007-82	Flat, Hopper Gate Indicator	2
6	9704-008-15	Flat, Gate Indicator	2
7	9704-001-19	Clamp, Gate Center	1
8	9701-574	Shim, Clamp	2
9	9704-013-64	Plate, Material Retaining	2
10	9704-006-55	Clevis, Gate	2
11	45500-758-12	Jack, Actuator	2
12	7198-008	Pin, Yoke 1/2"	4
13	9704-009-46	Door, Basket Floor	1
14	9704-905-03	Plate, Bearing	1
15	9704-453-51	Grate, Tractor Walkway - L.H.	1
16	9704-453-52	Grate, Tractor Walkway - R.H.	1
17	{ 46270-252-12	Light, Tail	2
	{ 46320-001-06	Strap	4
18	{ 9704-451-40	Collar, Seat Height	2
	{ 9704-451-41	Pin, Seat	2
	{ 45890-800-19	Hair Pin, 1-7/8"	2
19	7011-017	Cotter Pin, 1/8" x 1"	4
20	9704-451-67	Railing, Left Hand	1
21	Consult Factory	Railing, Right Hand	1
22	7014-005	Lockwasher, 1/2"	11
23	7012-027	Hex Nut, 1/2" NC	5
24	7072-101	Carriage Bolt, 1/2" NC x 1-1/4"	2
25	{ 7014-005	Washer, 1/2" Lock	4
	{ 7012-027	Hex Nut, 1/2" NC	4
	{ 7383-071	Capscrew, 1/2" NC x 1-3/4"	4
	{ 7014-020	Washer, 1/2"	4
26	9704-011-74	Retainer, Grate	2
27	7072-103	Carriage Bolt, 1/2" NC x 2"	2
28	7056-013	Wing Nut, 1/2" NC	2
29	7072-104	Carriage Bolt, 1/2" NC x 2-1/2"	2
30	5032-201-75	Support, Cable	4
31	7383-038	Capscrew, 3/8" NC x 1"	4
32	7014-003	Lockwasher, 3/8"	4
33	7012-025	Hex Nut, 3/8" NC	4
34	7072-149	Carriage Bolt, 5/8" NC x 2"	4
35	7014-022	Washer, 5/8"	4
36	7014-007	Lockwasher, 5/8"	4
37	7012-029	Hex Nut, 5/8" NC	4
38	{ 7383-068	Capscrew, 1/2" NC x 1	10
	{ 7014-005	Washer, 1/2" Lock	16
	{ 7014-020	Washer, 1/2"	14
39	{ 7072-102	Carriage Bolt, 1/2" NC x 1-1/2"	4
	{ 45890-102-28	Lock Nut, 1/2" NC	4

### Hopper Wings



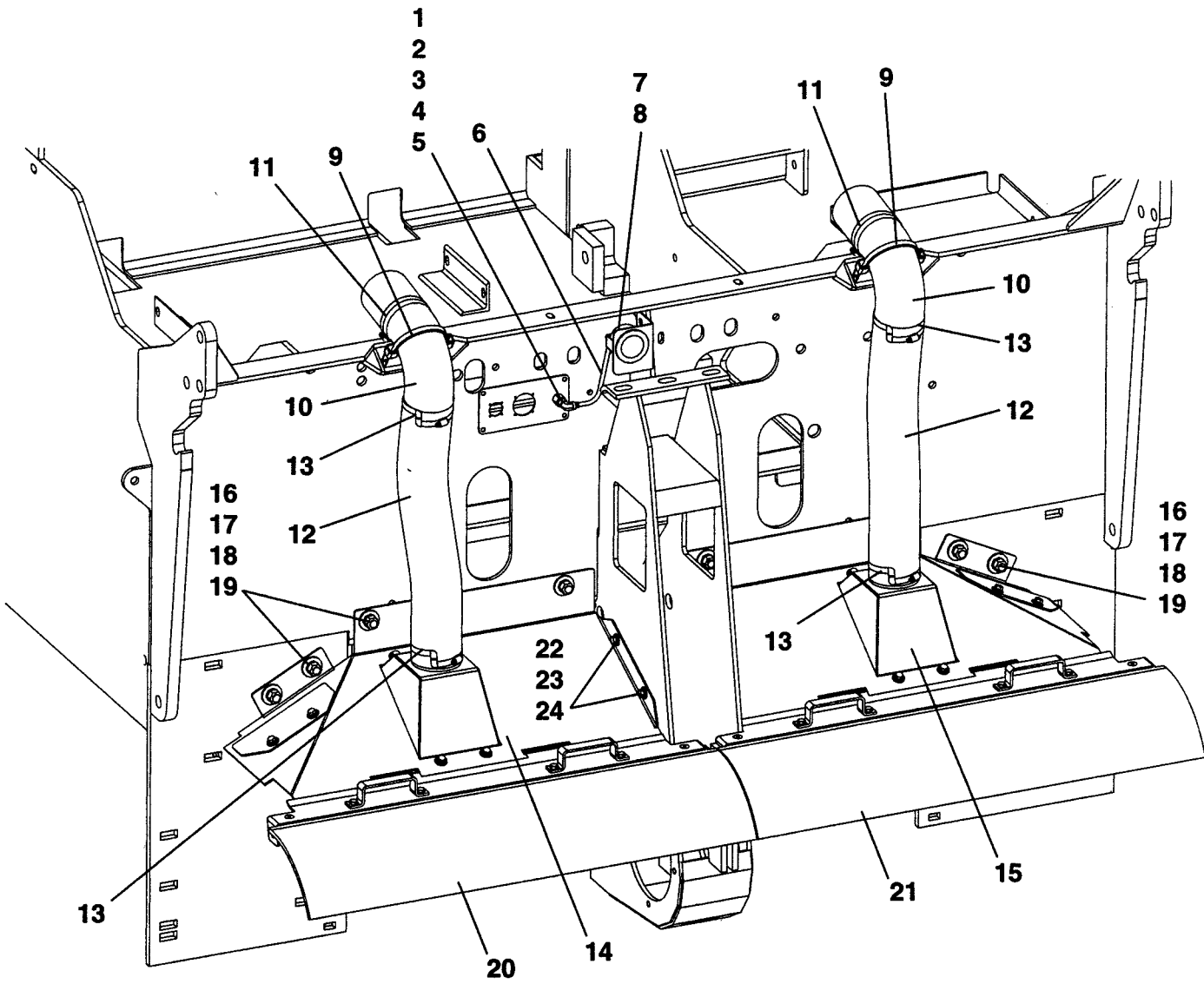


## Hopper Wings

Ref. No.	Part Number	Description	Quantity
1	9704-011-33	Wing, Right Hand Hopper	1
2	9704-011-34	Wing, Left Hand Hopper	1
3	Reference	Guard, Corner - <i>See Miscellaneous Paver Parts</i>	
4	9704-012-46	Flashing, Front Lip	1
5	9704-008-06	Flat, Flashing Clamp	1
6	45090-007-85	*Cylinder, Hydraulic	2
	45090-007-85-01	Seal Kit ( <i>For above cylinder</i> )	As Req
7	Reference	Cable- <i>See Miscellaneous Paver Parts</i>	
8	7430-313	Elbow, 45° 9/16" x 3/8" - with O-Ring	4
	45259-508-13	O-Ring ( <i>For above fitting</i> )	As Req
9	7651-021-33-01	Hose Assembly, <i>Hopper Cylinder</i>	4
10	7430-385	Fitting, 1/2" Bulkhead	2
11	9704-010-15	Clamp, Seal	2
12	9704-010-18	Wiper, Seal	2
13	Reference	Clamp, Guard- <i>See Miscellaneous Paver Parts</i>	
14	41206-065	Rod, Hinge	2
15	45134-011-01	Bushing, 1"	4
16	{ 7383-070	Capscrew, 1/2" NC x 1-1/2"	6
	{ 7014-005	Washer, 1/2" Lock	6
	{ 7014-020	Washer, 1/2"	6
17	{ 7383-072	Capscrew, 1/2" NC x 2"	7
	{ 45890-102-28	Locknut, 1/2" NC	7
18	Reference	Carriage Bolt, 1/2" NC x 2" - <i>See Miscellaneous Paver Parts</i>	
19	Reference	Carriage Bolt, 1/2" NC x 3" - <i>See Miscellaneous Paver Parts</i>	
20	Reference	Washer- <i>See Miscellaneous Paver Parts</i>	
21	Reference	Locknut, 1/2" NC- <i>See Miscellaneous Paver Parts</i>	

\*NOTE: Pins and clips are furnished with cylinder.

**Fume Recovery System**



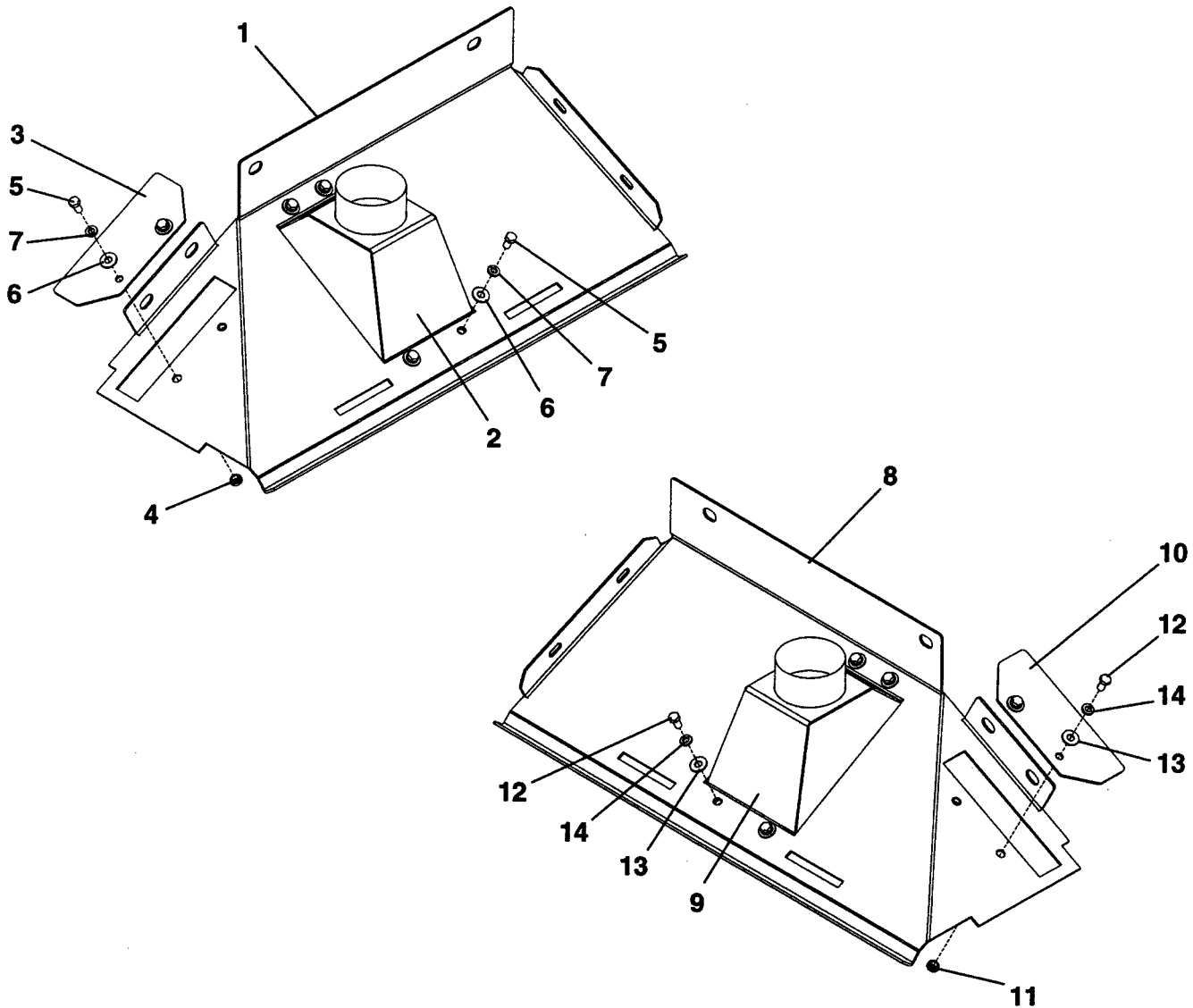


## Fume Recovery System

Ref. No.	Part Number	Description	Quantity
1	7430-335	Connector, 3/8" x 1/4" Union	1
2	7430-383	Elbow, 90° 3/8" Swivel Nut	1
3	45720-769-01	Reducer, 1/4" x 1/8"	1
4	45720-770-01	Elbow, 90° 1/8"	1
5	45191-510-57	Hose Barb	1
6	50030-001-30	Tubing, 3/16" I.D.	0.7'
7	9704-320-16	Bracket, Vacuum Gauge Fume	1
8	45865-002-43	Gauge	1
9	45710-002-13	U-Clamp, 4" Flat Band	2
10	45710-003-20	Elbow, 90° 4" Dia.	2
11	45191-004-62	Clamp, 4-3/4" Max Hose	2
12	45335-003-14	Duct, 4" Flexible	4.0'
13	45191-007-31	Clamp, 4" Hose Bridge	4
14	9704-319-59	Hood, Left Hand Inlet - <i>See Inlet Hoods, This Section</i>	1
15	9704-319-60	Hood, Right Hand Inlet - <i>See Inlet Hoods, This Section</i>	1
16	7383-100	Capscrew, 5/8" NC x 1-1/2"	8
17	7014-022	Washer, 5/8"	8
18	7014-007	Lockwasher, 5/8"	8
19	7012-029	Hex Nut, 5/8" NC	8
20	9704-319-63	Hood, Left Hand Rear - <i>See Rear Hoods, This Section</i>	1
21	9704-319-64	Hood, Right Hand Rear - <i>See Rear Hoods, This Section</i>	1
22	7383-036	Capscrew, 3/8" NC x 3/4"	4
23	7014-018	Washer, 3/8"	4
24	7014-003	Lockwasher, 3/8"	4

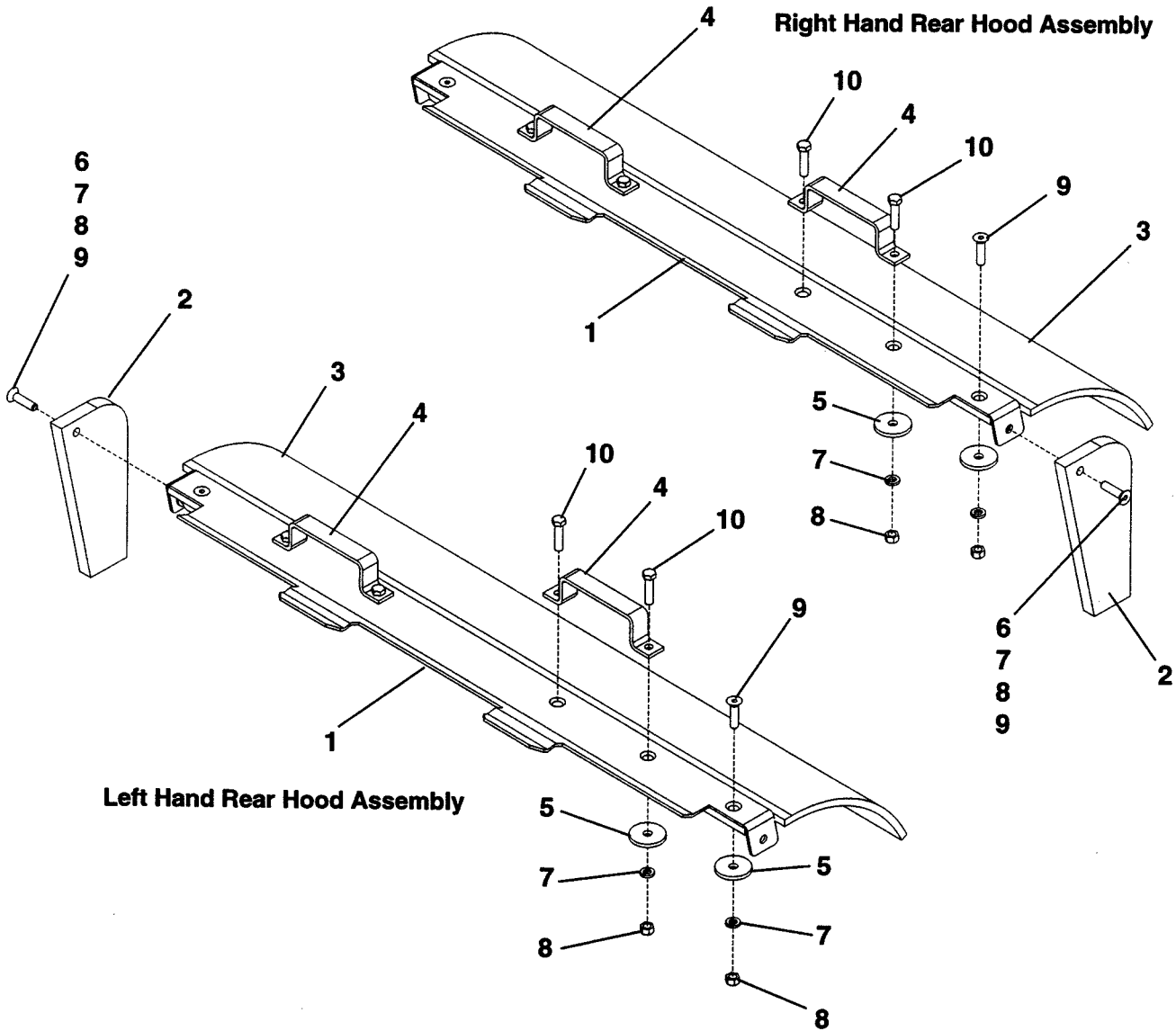


**Inlet Hoods**



Ref. No.	Part Number	Description	Quantity
	9704-319-59	Inlet Hood, Left Hand - Complete	
1	9704-319-61	Hood	1
2	9704-319-34	Box, Inlet	1
3	9704-319-65	Cover	1
4	45890-101-05	Plug Nut, 3/8" NC	2
5	7383-036	Capscrew, 3/8" NC x 3/4"	6
6	7014-018	Washer, 3/8"	6
7	7014-003	Lockwasher, 3/8"	6
	9704-319-60	Inlet Hood, Right Hand - Complete	
8	9704-319-62	Hood	1
9	9704-319-34	Box, Inlet	1
10	9704-319-65	Cover	1
11	45890-101-05	Plug Nut, 3/8" NC	2
12	7383-036	Capscrew, 3/8" NC x 3/4"	6
13	7014-018	Washer, 3/8"	6
14	7014-003	Lockwasher, 3/8"	6

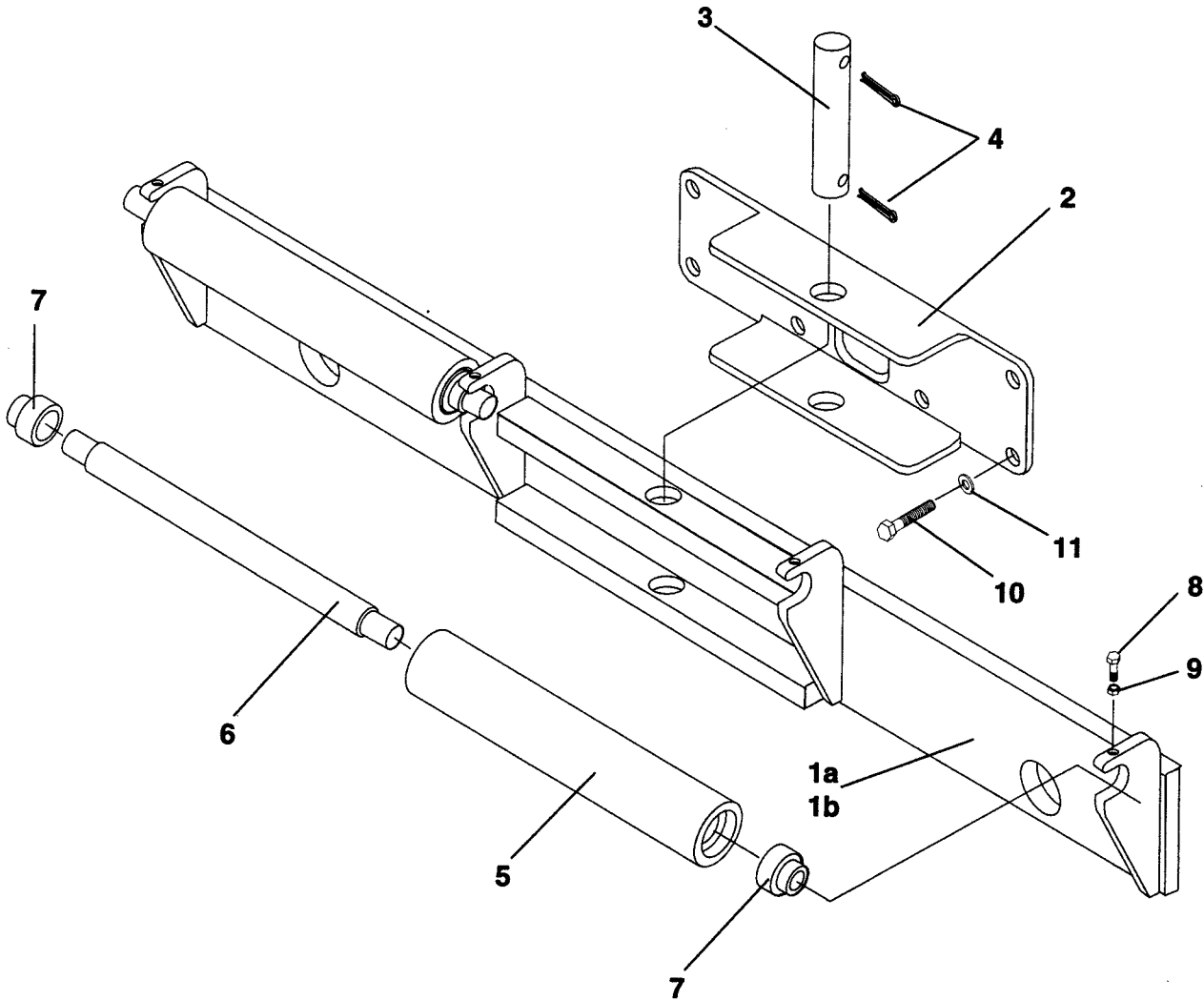
**Rear Hoods**



Ref. No.	Part Number	Description	Quantity
	9704-319-63	Rear Hood, Left Hand - Complete	1
	9704-319-64	Rear Hood, Right Hand - Complete	1
1	9704-319-66	Sheet	1
2	9704-319-46	Belting	1
3	9704-319-81	Belting	1
4	4418-068	Handle	2
5	2833B17-CA	Washer	6
6	7014-018	Washer, 3/8"	1
7	7014-003	Lockwasher, 3/8"	7
8	7012-025	Hex Nut, 3/8" NC	7
9	7389-026	Capscrew, 3/8" NC x 1-1/2" - Flat Head Socket	3
10	7383-040	Capscrew, 3/8" NC x 1-1/2"	4

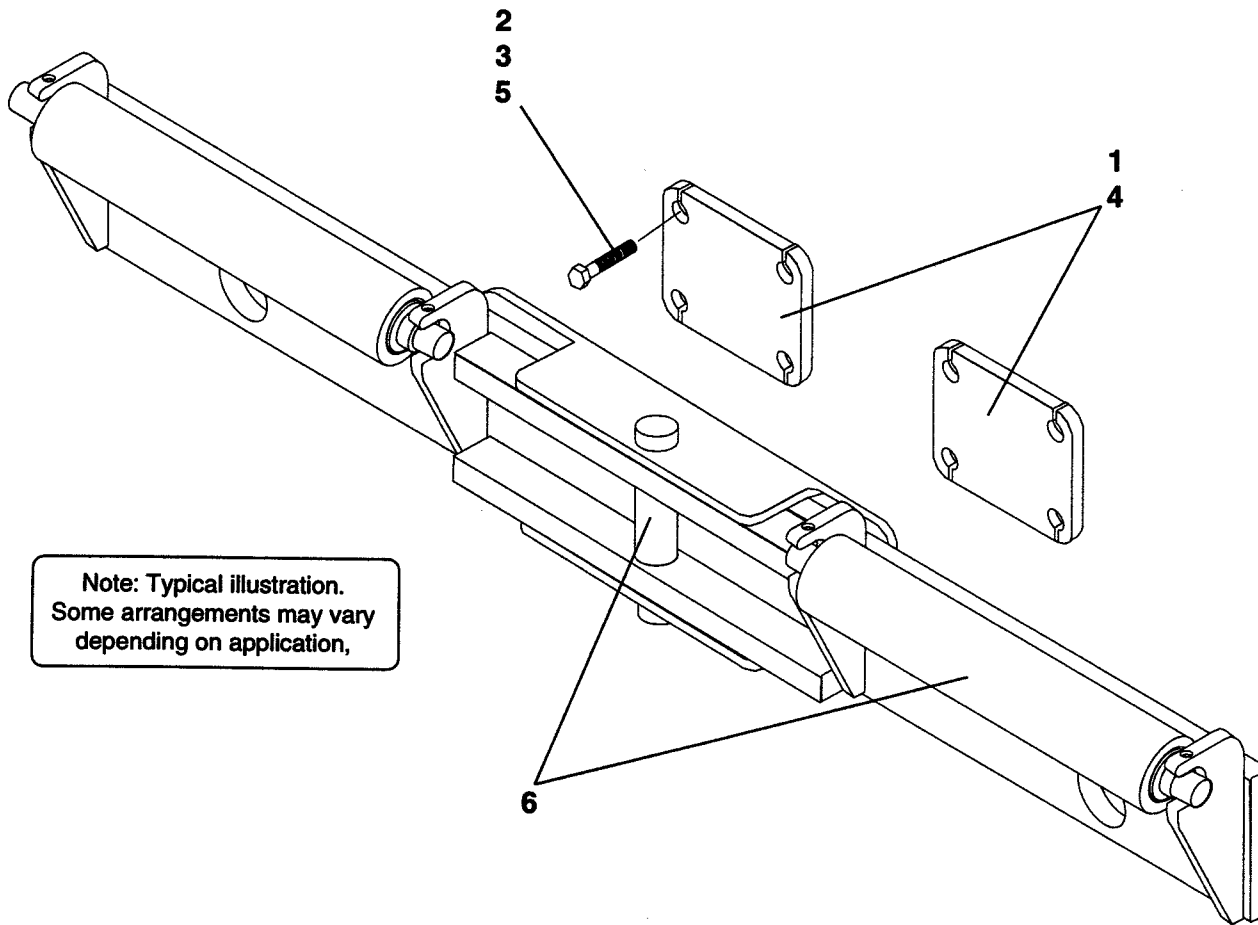
**NOTE:** Quantities listed for items 1 thru 10 are for one (1) Hood Assembly only.

**Oscillating Push Rollers**



Ref. No.	Part Number	Description	Quantity
1a	9704-850-47	Beam, Oscillating (For use on 400/500 Series Pavers)	1
1b	9704-851-34	Beam, Oscillating (For use on 300 Series Pavers)	1
2	9704-851-57	Mount, Oscillating Beam	1
3	9704-003-74	Pin, Oscillating Beam	1
4	7011-113	Cotter Pin, 3/8"	2
5	5036AD32	Tube, Push Roller	2
6	41218-034	Shaft, Push Roller	2
7	7302-013	Bearing, Ball (with collar)	4
8	7130-105	Setscrew, 1/2" NC x 1-1/4"	4
9	7017-027	Hex Nut, 1/2" NC Jam	4
10	7383-100	Capscrew, 5/8" x 1-1/2"	8
11	7465-002	Washer, 5/8" Hardened Flat	8

## Spacer Shims - Push Rollers



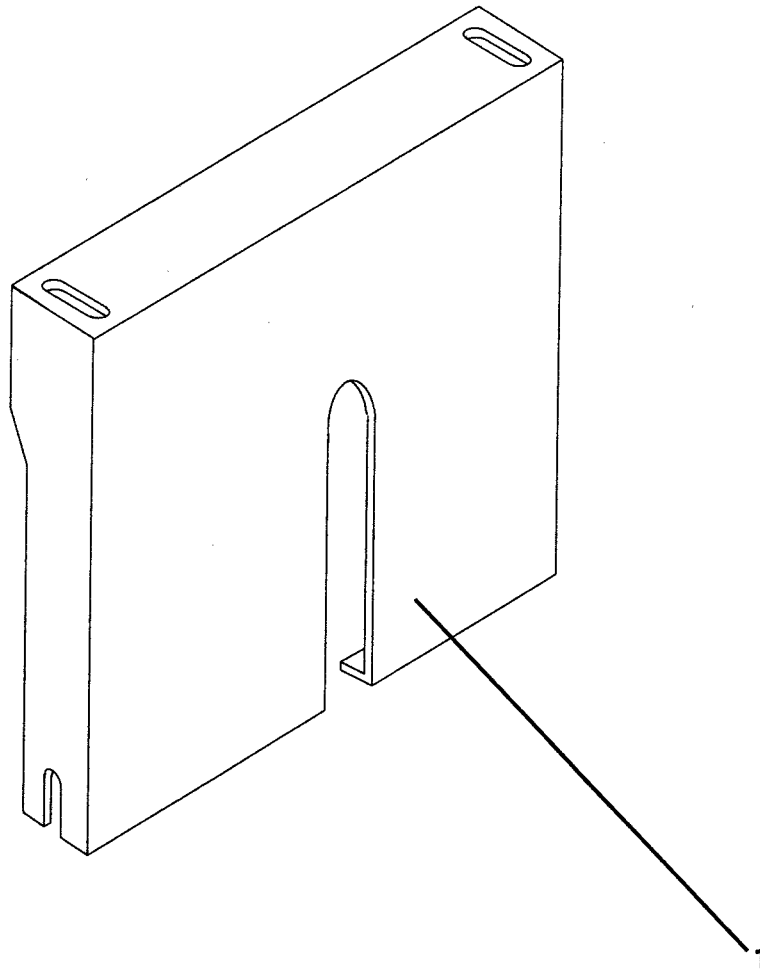
Note: Typical illustration.  
 Some arrangements may vary  
 depending on application,

Ref. No.	Part Number	Description	Quantity
1	9704-851-30	*Plate, Spacer	2
2	7383-108	*Capscrew, 5/8" x 3-1/2"	8
3	7389-104	*Capscrew, 5/8" x 2-1/2"	8
4	9704-851-45	*Block, Spacer	4
5	7383-244	*Capscrew, 5/8" x 5-1/2" (Replaces existing hardware)	8
6	Reference	See Oscillating Push Rollers - This Section	

\*Note: Items 1 & 2 are used for 500 series pavers.  
Items 1 & 3 are used for 400 series pavers.  
Items 4 & 5 are used for 300 series pavers.



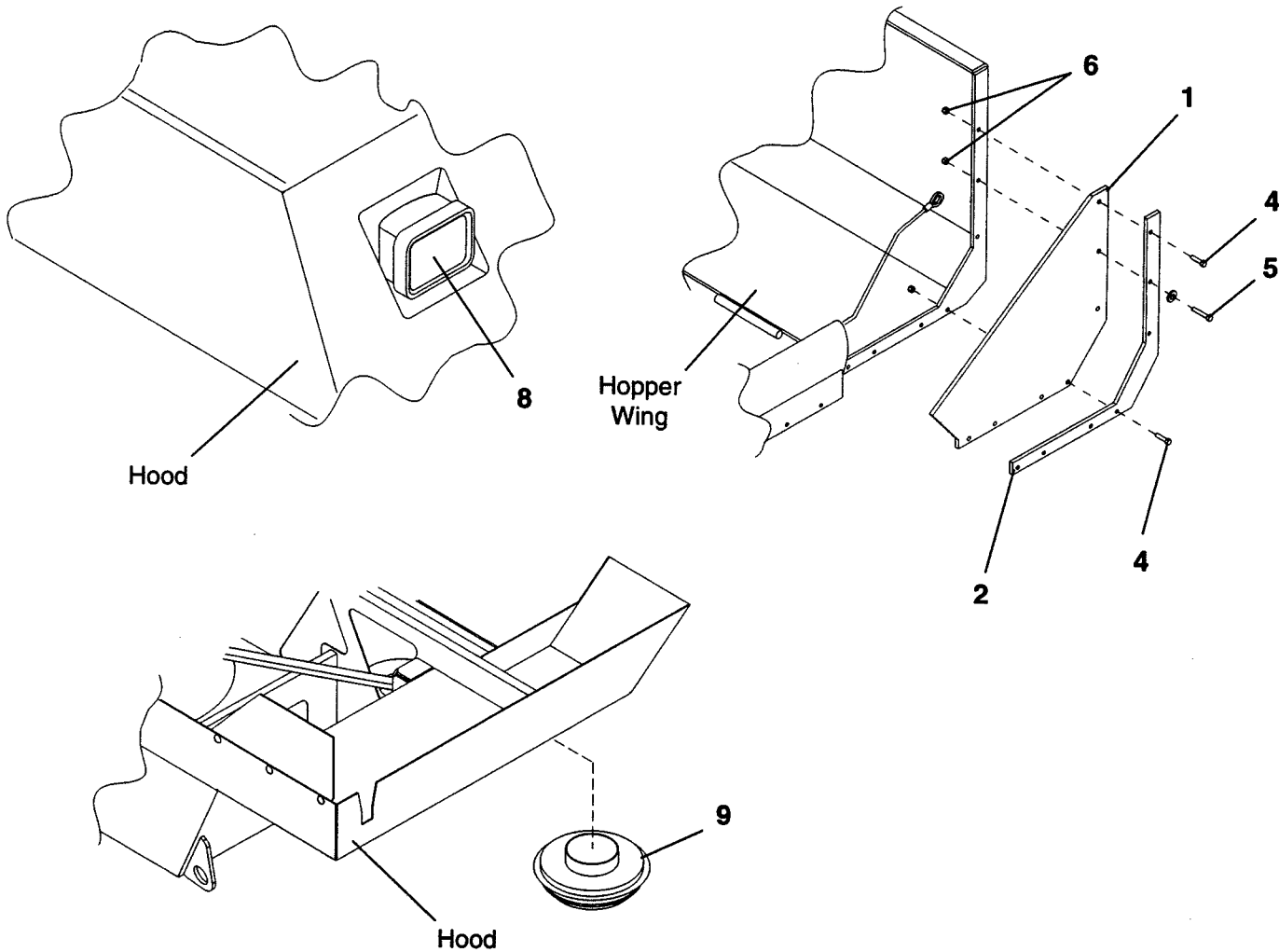
Track Console Cover



Ref. No.	Part Number	Description	Quantity
1	9704-505-46	Cover, Track Console	1
<i>The following hardware is supplied with Console Cover, not shown on the illustration:</i>			
2	7455-012	Screw, Shoulder 3.8" x 5/8"	2
3	7014-002	Washer, 5/16" Lock	2
4	7012-024	Hex Nut, 5/16" NC	2
5	7383-074	Capscrew, 1/2" x 2-1/2"	2
6	7014-005	Washer, 1/2" Lock	2
7	7012-027	Hex Nut, 1/2" NC	4

**NOTE: Refer to Control Console in Section 8 for additional information.**

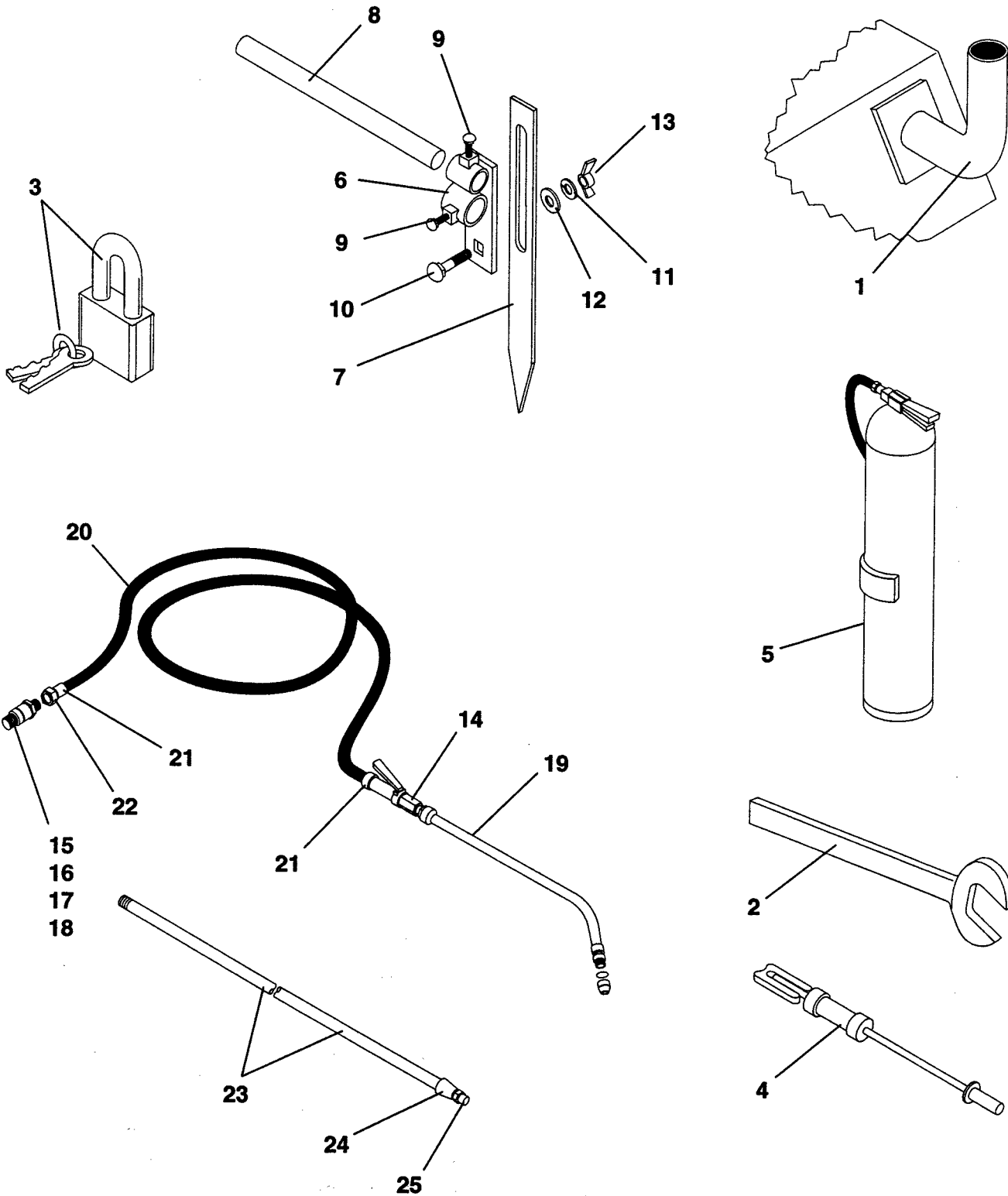
**Miscellaneous Paver Parts**



Ref. No.	Part Number	Description	Quantity
1	9704-010-05	Guard, Corner	2
2	9704-010-28	Clamp, Guard	2
3	9704-007-26	Cable, Hopper	1
4	7072-103	Carriage Bolt, 1/2" NC x 2"	12
5	7072-105	Carriage Bolt, 1/2" NC x 3"	2
6	45890-102-28	Locknut, 1/2" NC	14
7	41733-003-01	*Gasket, 1" x 3/8"	24'
8	46270-005-08	Light, Utility - 12.8V	2
9	45690-001-31-04	Air Cleaner, Hood Inlet	1
10	{ 9704-320-56	*Grill, Front ( <i>Parts List 5210KBA &amp; 5210KBB</i> )	2
	{ 9704-320-88	*Grill, Front Grill CR300 ( <i>Parts List 5210KBB only</i> )	1
11	9704-320-57	*Grill, Side ( <i>Parts List 5210KBA &amp; 5210KBB</i> )	1
12	9704-313-88	*Grill, Hood	1
13	9704-320-55	*Grate, Top ( <i>Parts List 5210KBA &amp; 5210KBB</i> )	1

**\*NOTE: These items not shown on illustration.**

**Tractor Accessories**



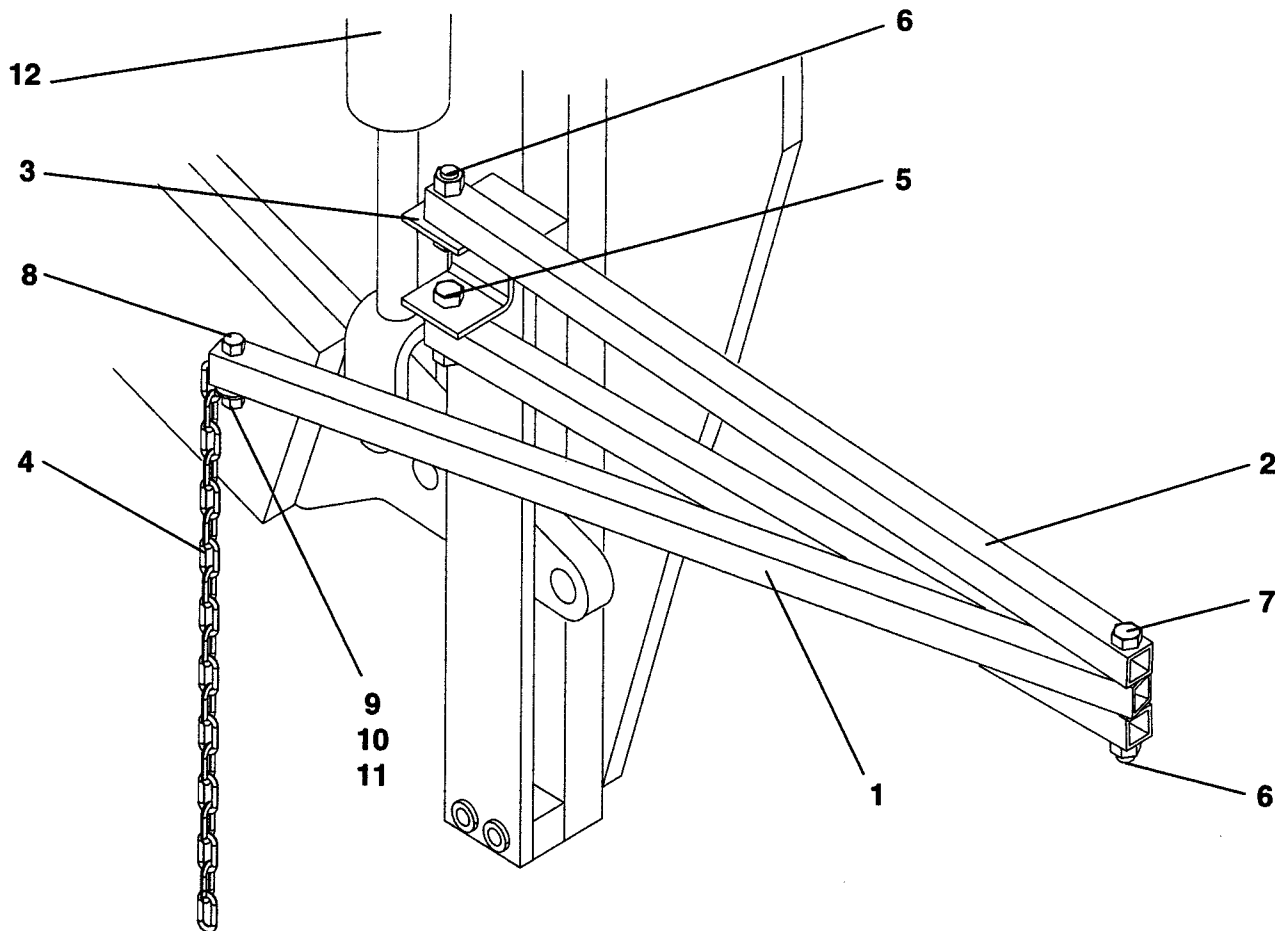


## Tractor Accessories

Ref. No.	Part Number	Description	Quantity
1	9704-319-73	Extension, Exhaust	1
2	45500-750-10	Wrench, Open End	1
3	46000-004-04	Padlock, with Keys	7
4	9704-568-94	Slide Hammer	1
5	45515-004-03	Extinguisher, Fire	1
	9704-450-63	Guide Marker Assembly - Complete	1
6	9704-902-11	Bracket	1
7	5036KD-14	Marker, Guide	1
8	40509-041	Pipe, 1-1/2" x 41"	1
9	{ 7383-070	Capscrew, 1/2" NC x 1-1/2"	5
	{ 7012-005	Square Nut, 1/2" NC	5
10	7072-052	Carriage Bolt, 3/8" NC x 1"	1
11	7014-003	Lockwasher, 3/8"	1
12	7014-018	Washer, 3/8"	1
13	7056-011	Wing Nut, 3/8" NC	1
	9704-564-46	Spraydown Hose - Complete	1
14	45251-001-76	Valve, Shut-Off	1
15	45191-504-29	Quick Disconnect, 1/8" Brass	1
16	45191-504-29-01	Plug, Dust	1
17	45191-504-29-02	Cap, Dust	1
18	45720-770-54	Hex Nipple, 1/8"	1
19	45251-006-05	Extension, 18" - with Nozzle	1
20	50030-001-02	Hose, 3/8"	30'
21	45191-004-05	Clamp	2
22	40500-002-50-02	Nipple, 1/8" Pipe	1
	9704-452-44-01	Spray Wand, without Gun - Complete	1
23	40501-035-00-01	Nipple, 1/4" x 35"	1
24	7304-001	Reducer Coupling, 1/4" x 1/8"	1
25	45251-005-68	Spray Nozzle	1
	9704-313-74	Tool Kit - Complete (Not Shown)	1
26	5220-690-81	Tool Box	1
27	5220-690-79	Metric Hex Key Set	1
28	9704-800-43	Kit, Belt Tensioning	1
29	45652-512-16	Nozzle, .65"	2
30	45080-527-07	Test Hose	1
31	45080-527-05	Adapter	1
32	45251-005-59	Nozzle, .50"	2
33	45652-553-05	Glow Plug	1
	Additional Parts (Not Shown)		
34	7435-134	Machine Screw, 1/4" NC x 5/8"	5
35	7014-016	Washer, 1/4"	5
36	45890-102-36	Locknut, 1/4" NC	5



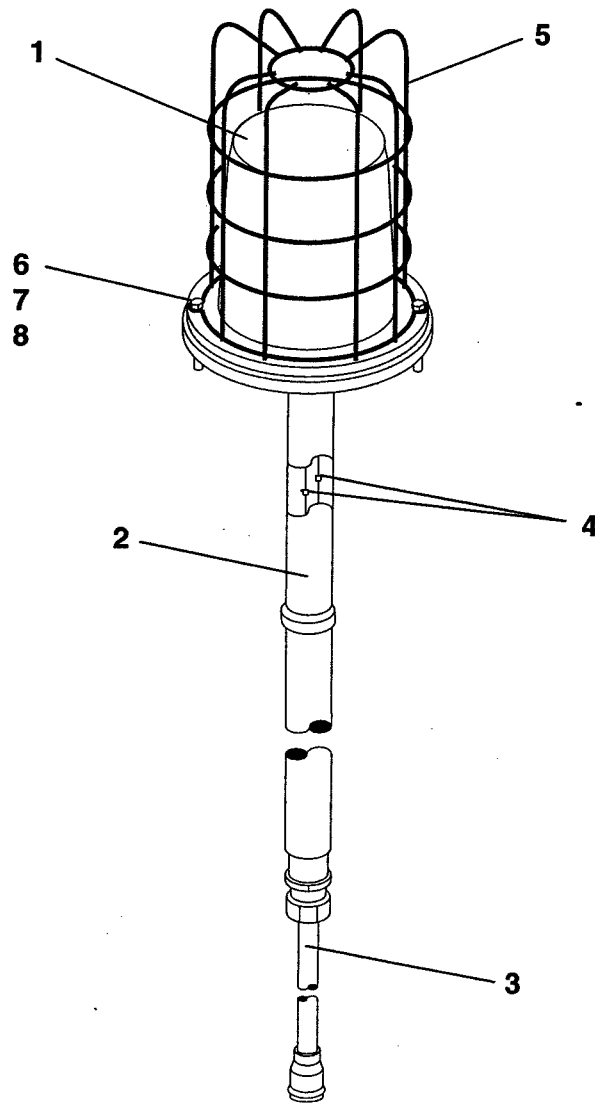
## Guide Pointer Kit



Ref. No.	Part Number	Description	Quantity
	9704-851-44	Kit, Guide Pointer - Complete	
1	9704-851-40	Arm, Inner	1
2	9704-851-41	Arm, Outer	2
3	9704-851-42	Yoke, Guide Pointer	1
4	50005-800-01	Chain, 20 Links	1
5	7383-072	Cap screw, 1/2" NC x 2"	2
6	45890-102-28	Locknut, 1/2" NC	3
7	7383-079	Cap screw, 1/2" NC x 3-3/4"	1
8	7383-041	Cap screw, 3/8" NC x 1-3/4"	1
9	7014-018	Washer, 3/8" Flat	1
10	7014-003	Washer, 3/8" Lock	1
11	7012-025	Hex Nut, 3/8" NC	1
12	Reference	See Screed Pull Arms - Section 5	

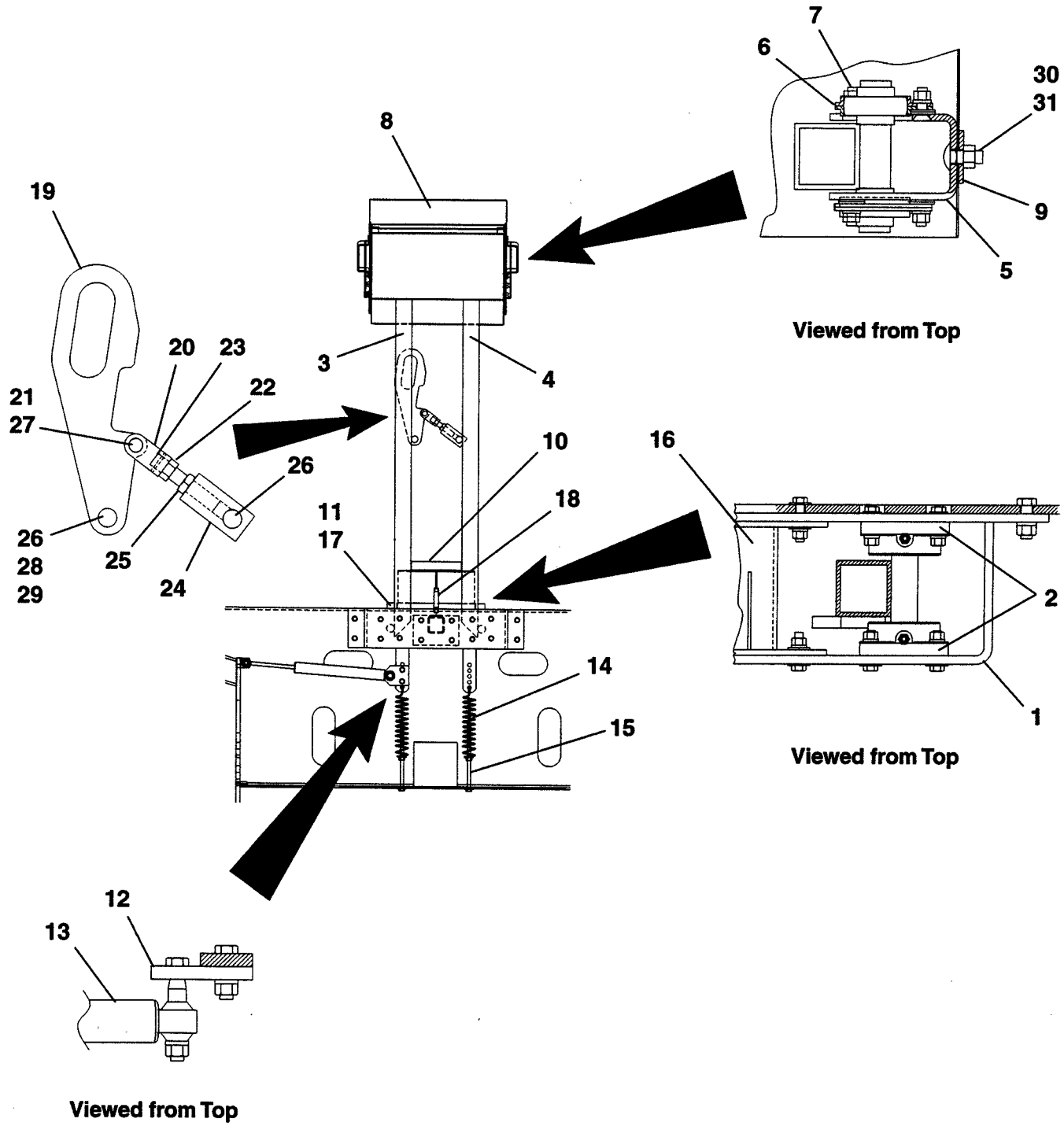
**NOTE: Quantities shown are for one (1) kit only.**

**Strobe Kit**



Ref. No.	Part Number	Description	Quantity
	9704-750-13	Strobe Kit - Complete	1
1	46270-003-12	Lamp, Strobe	1
2	9704-750-12	Mount, Strobe	1
3	9704-410-47	Cable	1
4	46275-001-28	Lug	2
5	46270-003-13	Guard, Strobe	1
6	7383-006	Capscrew, 1/4" NC x 1"	2
7	7014-001	Washer, 1/4" Lock	2
8	7012-023	Nut, Hex 1/4" NC	2
9	7012-003	Nut, Square 3/8" NC - (Not Shown)	1
10	5036PGB04	Bolt, Right Angle 3/8" - (Not Shown)	1

**Console - Mechanical Parts**

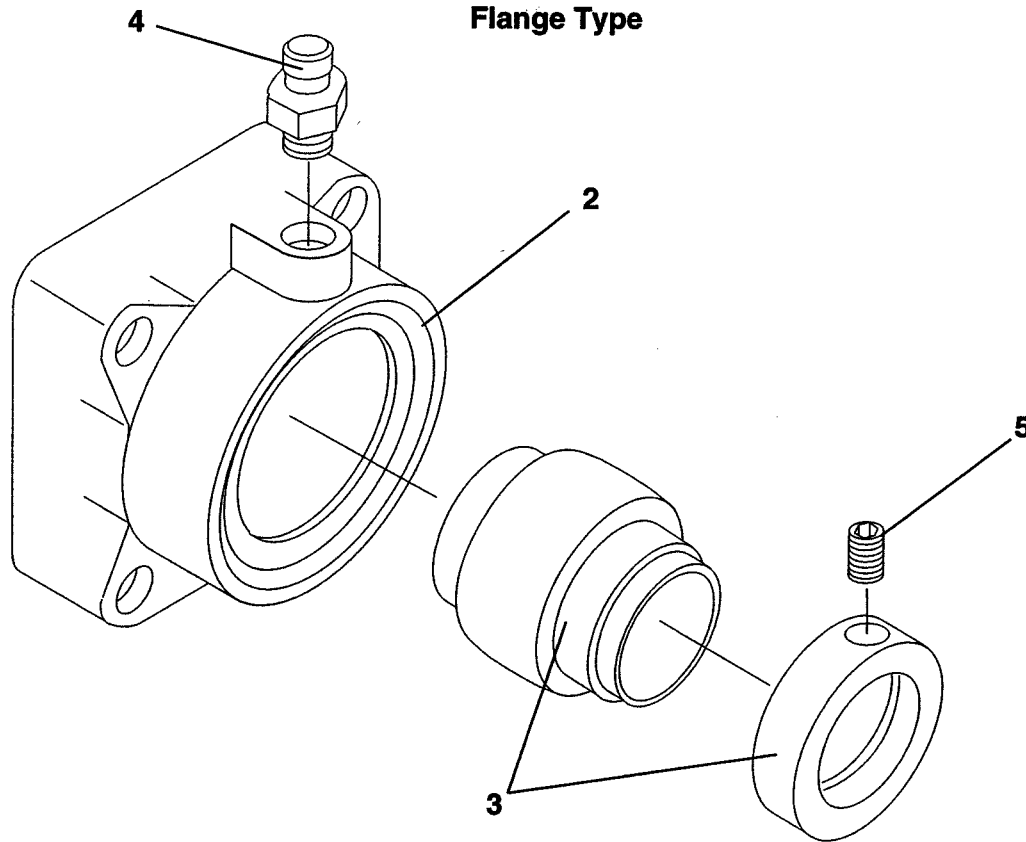




## Console - Mechanical Parts

Ref. No.	Part Number	Description	Quantity
1	9704-504-94	Base, Console Support	1
2	FO103FGA	Flange Bearing, 1-3/16" - <i>See Form # 1001, This Section</i>	4
3	9704-505-14	Support, Console - Right Hand	1
4	9704-505-15	Support, Console - Left Hand	1
5	9704-503-64	Bracket, Upper Bearing	2
6	45129-001-04	Flangette, Bearing	8
7	7041-007	Ball Bearing, 1-3/16" Bore	4
8	Reference	<i>See Control Console, Section 8</i>	
9	9704-503-79	Flat, Console Bracket Backing	2
10	9704-504-86	Lock, Console	1
11	9704-504-90	Rod, Hinge	1
12	9704-503-02	Flat, Damper Support	1
13	45090-007-34	Cylinder, Horizontal Shock	1
14	9704-503-05	Spring, Console Arm	2
15	{ 7285-033	Adjusting Bolt, 1/2" NC x 10"	2
	{ 7014-020	Washer, 1/2"	4
	{ 7012-027	Hex Nut, 1/2" NC	2
16	9704-505-11	Stop, Console Arm	1
17	7011-021	Cotter Pin, 3/16" x 1"	2
18	45870-001-32	Spring	1
19	9704-505-13	Handle, Console Lock	1
20	9704-505-08	Yoke, Console Clamp	1
21	7198-010	Yoke Pin, 3/4"	1
22	9704-505-01	Bolt, Console Lock	1
23	7253-026	Retaining Ring	1
24	9704-505-09	Block, Console Lock	1
25	7017-052	Hex Nut, 3/4" Jam	1
26	40505-002	Pipe, 1" Standard x 2"	2
27	7011-039	Cotter Pin, 1/8" x 1-1/2"	1
28	7014-020	Washer, 1/2"	2
29	7383-068	Capscrew, 1/2" NC x 1"	2
30	7072-101	Carriage Bolt, 1/2" NC x 1-1/4"	6
31	45890-102-28	Locknut, 1/2" NC	6

**Anti-Friction Bearing  
Flange Type**



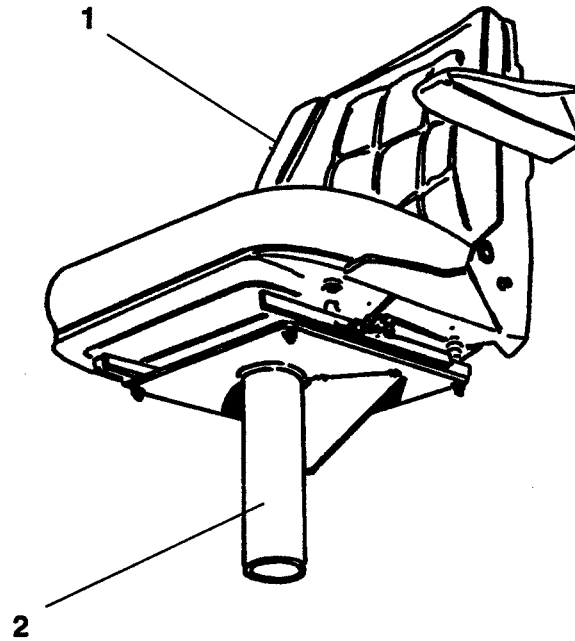
Ref. No.	Part Number	Description	Quantity
	<b>F0100FGA</b>	<b>Flange Bearing, 1" Bore - Complete</b>	
2	F0100FG	Housing, Bearing	1
3	7041-004	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-046	Setscrew, 1/4" x 1/4" Socket Head	1
	<b>F0103FGA</b>	<b>Flange Bearing, 1-3/16" Bore - Complete</b>	
2	F0103FG	Housing, Bearing	1
3	7041-007	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-046	Setscrew, 1/4" x 1/4" Socket Head	1
	<b>F0106FGA</b>	<b>Flange Bearing, 1-3/8" Bore - Complete</b>	
2	F0107FG	Housing, Bearing	1
3	7041-010	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	<b>F0107FGA</b>	<b>Flange Bearing, 1-7/16" Bore - Complete</b>	
2	F0107FG	Housing, Bearing	1
3	7041-011	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1



## Anti-Friction Bearing Flange Type

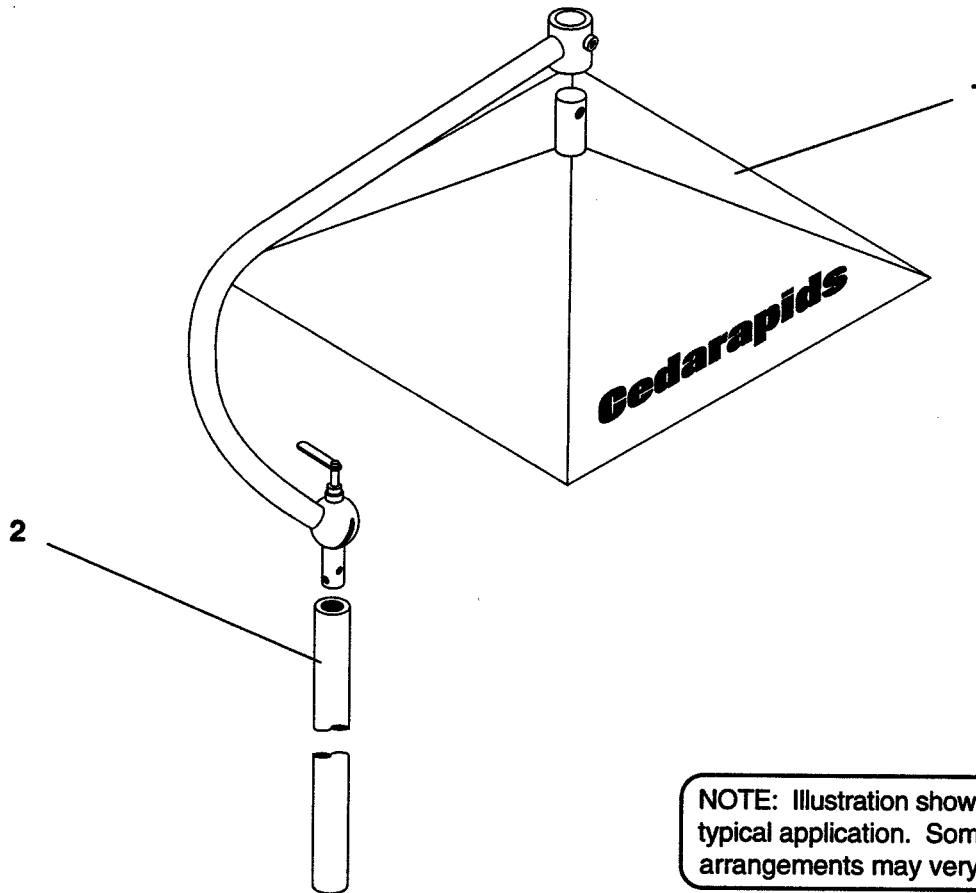
Ref. No.	Part Number	Description	Quantity
	F0110FGA	Flange Bearing, 1-5/8" Bore - Complete	
2	F0111FG	Housing, Bearing	1
3	7041-014	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0111FGA	Flange Bearing, 1-11/16" Bore - Complete	
2	F0111FG	Housing, Bearing	1
3	7041-015	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0112FGA	Flange Bearing, 1-3/4" Bore - Complete	
2	F0111FG	Housing, Bearing	1
3	7041-016	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0115FGA	Flange Bearing, 1-15/16" Bore - Complete	
2	F0115FG	Housing, Bearing	1
3	7041-019	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0203FGA	Flange Bearing, 2-3/16" Bore - Complete	
2	F0203FG	Housing, Bearing	1
3	7041-023	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-087	Setscrew, 7/16" x 7/16" Socket Head	1
	F0207FGA	Flange Bearing, 2-7/16" Bore - Complete	
2	F0207FG	Housing, Bearing	1
3	7041-024	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-087	Setscrew, 7/16" x 7/16" Socket Head	1
	F0215FGA	Flange Bearing, 2-15/16" Bore - Complete	
2	F0215FG	Housing, Bearing	1
3	7041-025	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-100	Setscrew, 1/2" x 1/2" Socket Head	1

**Operators Seat**



Ref. No.	Part Number	Description	Quantity
1	45037-001-07	Seat, Operators ( <i>complete</i> )	As Req
2	9704-451-38	Pedestal, Seat	As Req

**Umbrella**



NOTE: Illustration shows a typical application. Some arrangements may vary.

Ref. No.	Part Number	Description	Quantity
1	9704-951-19	Umbrella - Assembly	1
2	7383-068	Capscrew, 1/2" NC x 1"	4
	7012-027	Nut, Hex 1/2" NC	4
	7014-005	Lockwasher	4
3	* 5036VK03	Bracket, Umbrella (Not Shown)	1

\* Item 3 is used on Eng Bom 05046YUB only. And applies to older Pavers.



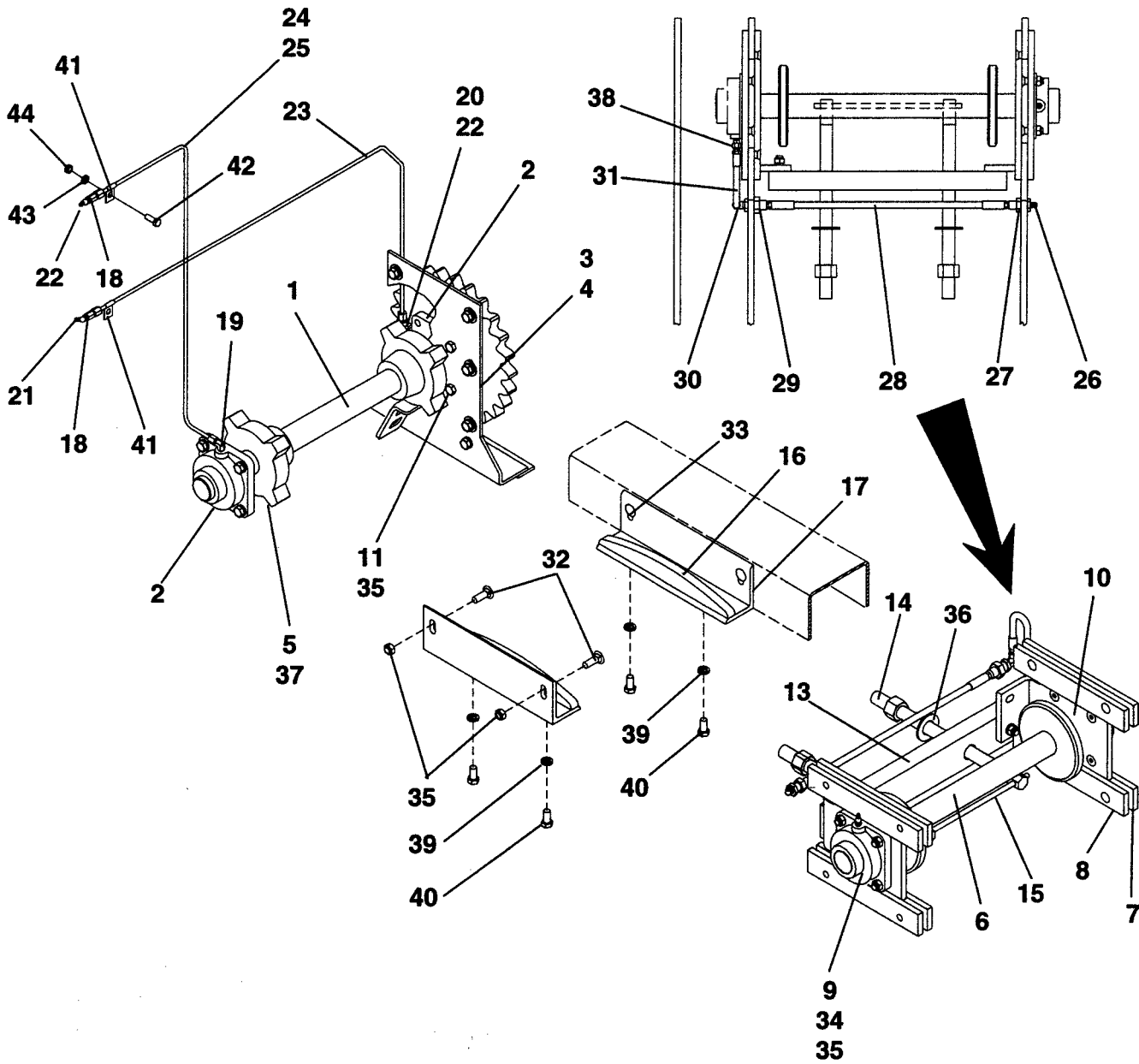


## Emblems

Ref. No.	Part Number	Description	Quantity
1	4418-017	Emblem, Serial	1
2	7073-013	Screw, Drive	3
3	4418-197	Emblem, Slow Moving Vehicle	1
4	46010-600-06	Tape, White 1"	33'
5	7435-135	Machine Screw, 1/4" NC x 3/4"	2
6	7014-001	Lockwasher, 1/4"	2
7	7012-023	Hex Nut, 1/4" NC	2
	9704-453-20	Emblem Kit, Tractor Common - Complete	1
8	4490-009	Emblem, Paver Vandal Cover	1
9	4418-628	Emblem, Moving Procedure	1
10	4490-020	Emblem, Entanglement - Burn	2
11	4418-605	Emblem, Grayhound	2
12	4492-010	Emblem, Paver Hopper Wings	2
13	4418-636	Emblem, Brake Release	1
14	4491-014	Emblem, Propos 65 Warning	1
15	4491-007	Emblem, Hood Safety	2
16	4418-955	Emblem, USA Flag	2
17	4490-021	Emblem, Battery	1
18	4418-617	Emblem, Pull Point Indicator 12"	2
19	4418-720	Emblem, Engine Oil Drain	1
20	4490-019	Emblem, Entanglement - Burn	2
21	4418-135-03	Emblem, Lift Here	2
22	4418-135-03-01	Emblem, Lift Here	2
23	4418-135-25	Emblem, Tie Down Here	2
24	4418-135-25-01	Emblem, Tie Down Here	2
25	4418-866	Emblem, Patent	1
26	4418-950	Emblem, Engine Coolant Drain	1
27	4418-925	Emblem, Paver Lube Plate	1
28	7073-013	Screw, Drive	4
29	4418-934	Emblem, Paver Vacuum Indicator	1
	9704-453-35	Emblem Kit, CR361R - Complete	1
30	4418-942-09	Emblem, CR361R	2
31	4418-135-11	Emblem, Diesel	1
32	4418-836	Emblem, Reservoir Level	1
33	4418-543	Emblem, Cedarapids	2
34	4493-017	Emblem, Paver Tire Pressure	1
35	4418-803	Emblem, Oil Reservoir	1
36	4418-674	Emblem, CR361 Lifting Points	1
37	4418-609	Emblem, CR561 Tie Downs	1
38	9700-079	Emblem, Gate Opening	1
39	4492-011	Emblem, Caution - Reseal Reservoir	1



### Slat Conveyor



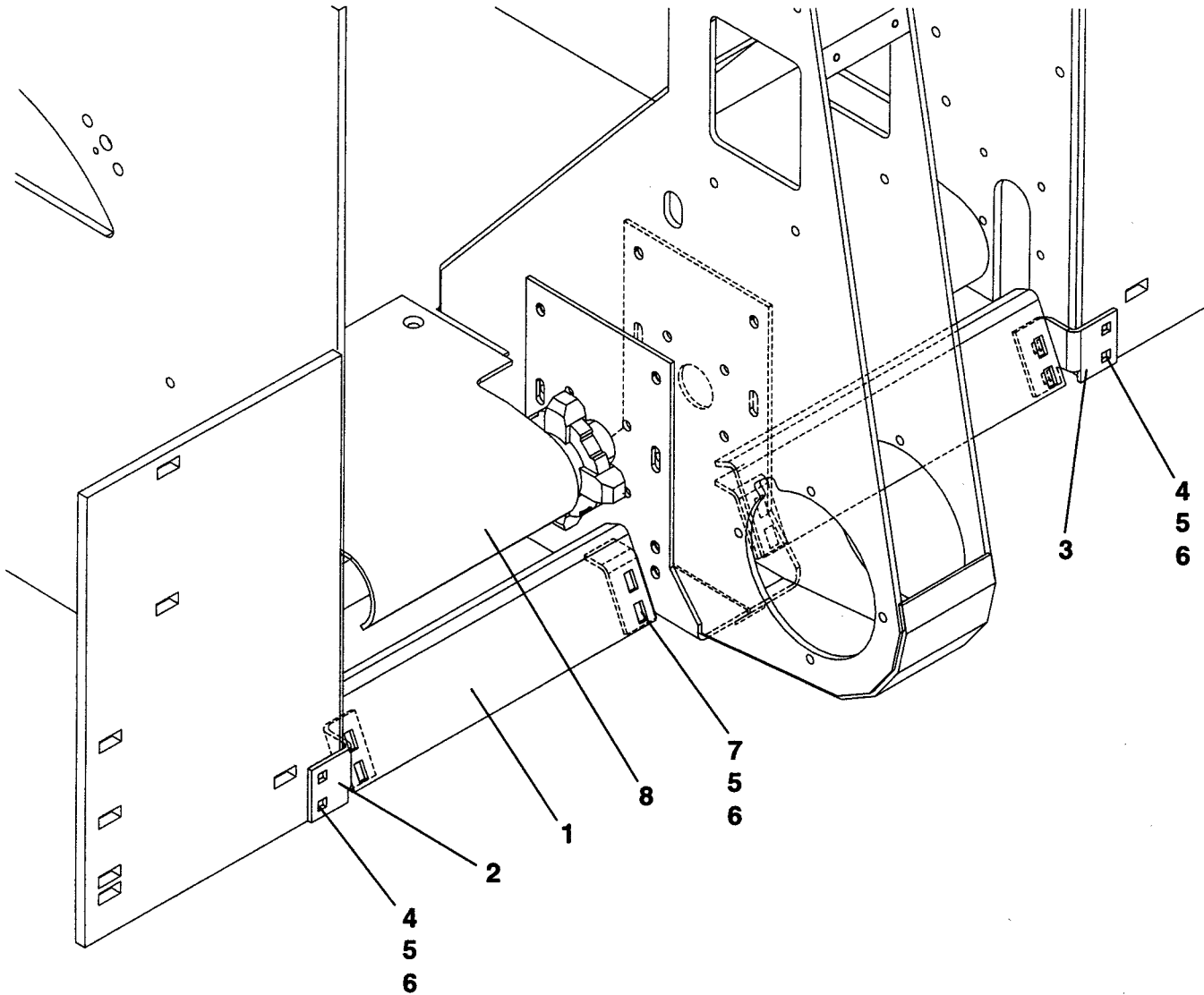
**Right Hand Assembly Shown.  
Left Hand Equal & Opposite.**



## Slat Conveyor

Ref. No.	Part Number	Description	Quantity	
1	9704-251-41	Shaft, Conveyor Drive	2	
2	FO115FGA	Flange Bearing, 1-15/16" - <i>See Form #1001, This Section</i>	4	
3	9704-155-90	Plate, Bearing - <i>Right Hand</i>	1	
4	9704-155-89	Plate, Bearing - <i>Left Hand (Not Shown)</i>	1	
5	4430-027-01	Sprocket, Drive	4	
6	9704-205-60	Shaft, Idler	2	
7	9704-205-26	Guide, Conveyor Take-Up	8	
8	9704-205-27	Guide, Conveyor Take-Up	8	
9	FO115FGA	Flange Bearing, 1-15/16" - <i>See Form #1001, This Section</i>	4	
10	9704-205-18	Plate, Bearing Slide	4	
11	7383-070	Capscrew, 1/2" NC x 1-1/2"	4	
12	Reference	<i>See Liners &amp; Chain - This Section</i>		
13	9704-205-20	Base, Slide	2	
14	9704-155-61	Bolt, Adjusting	4	
15	9704-205-19	Handle, Tighten / Lock	2	
16	9704-205-04	Skate, Slat Conveyor Chain	4	
17	9704-204-58	Angle, Skate Mounting	4	
18	7430-008	Connector, 1/8" x 1/4" JIC	4	
19	7430-016	Connector, 1/8" x 1/4" JIC	2	
20	7430-084	Elbow, 90° 1/8" x 1/4" JIC	2	
21	7051-002	Grease Fitting, 45° 1/8"	2	
22	40500-003-00-01	Pipe, 1/8"	2	
23	9704-205-65	Tube Assembly	2	
24	9704-205-21	Tube Assembly, <i>Left Outer Grease (Not Shown)</i>	1	
25	9704-205-22	Tube Assembly, <i>Right Outer Grease</i>	1	
26	7051-004	Grease Fitting	2	
27	45720-001-11	Coupling, 1/8"	1	
28	7650-021-11-01	Hose Assembly	2	
29	45720-001-07	Coupling, 1/4" x 1-1/2"	2	
30	7430-017	Elbow, 90° 1/4"	2	
31	7650-014-33	Hose Assembly	2	
32	7445-025	Plow Bolt, 1/2" NC x 1-1/2"	4	
33	7445-010	Plow Bolt, 1/2" NC x 1-1/4"	4	
34	7445-001	Plow Bolt, 1/2" x 1-3/4"	As Req	
35	45890-102-28	Locknut, 1/2" NC	32	
36	7097-018	Washer, Flat 1-1/8"	4	
37	{ 40803-002-25	Key, 1/2" Square	4	
		7131-076	Setscrew, 3/8" NC x 1/2"	4
		7131-077	Setscrew, 3/8" NC x 5/8"	4
38	7430-001	Connector, 1/8" x 1/4" JIC	2	
39	7383-068	Capscrew, 1/2" NC x 1"	8	
40	7014-005	Washer, 1/2" Lock	8	
41	46185-001-13	Hose Clamp, 1/4"	4	
42	7383-038	Capscrew, 3/8" NC x 1"	2	
43	7014-003	Washer, 3/8" Lock	2	
44	7012-025	Hex Nut, 3/8" NC	2	

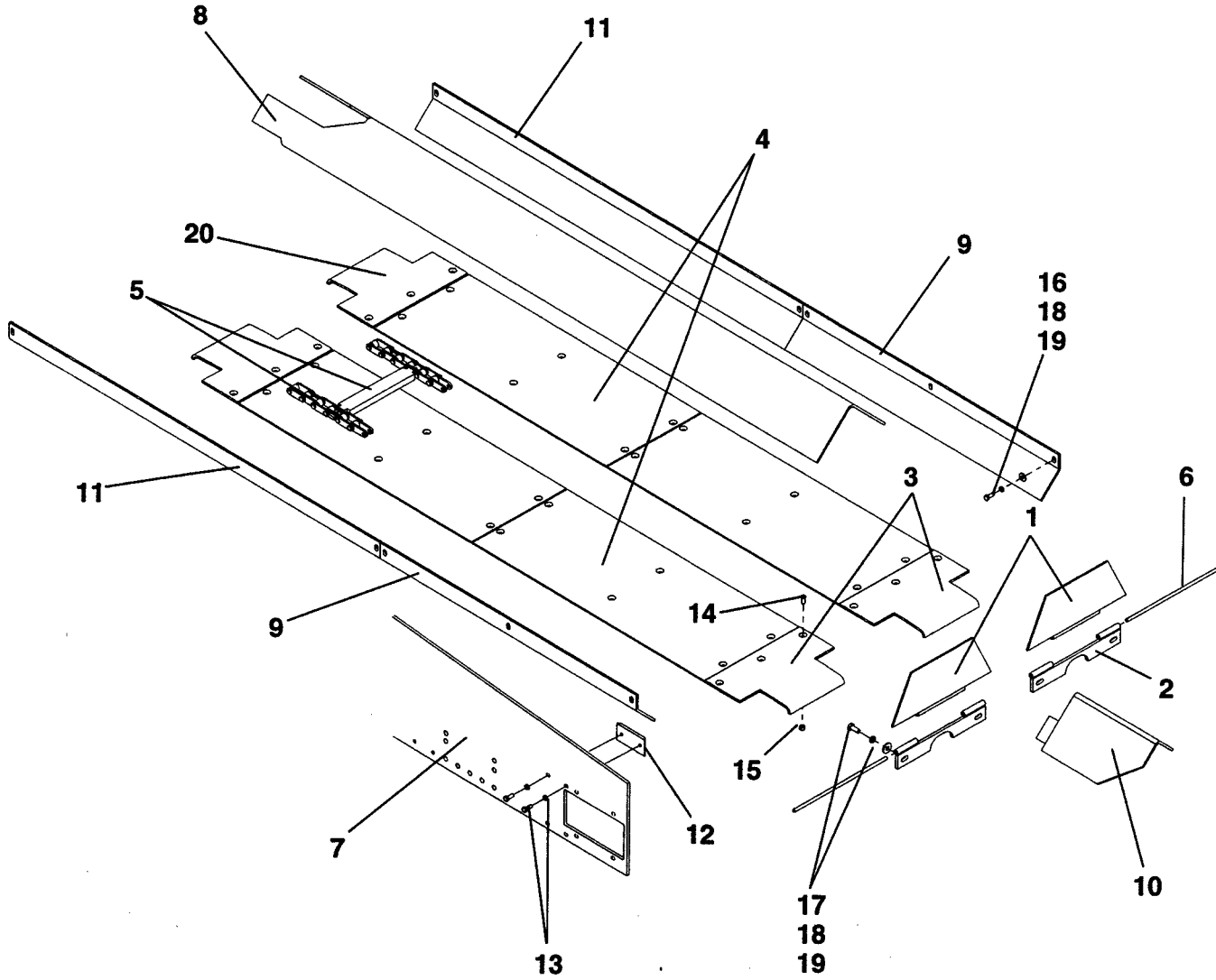
**Auger Chutes  
Slat Conveyor**



Ref. No.	Part Number	Description	Quantity
1	9704-205-88	Plate, Sloped	2
2	9704-205-89	Bracket, Left Hand	1
3	9704-205-90	Bracket, Right Hand	1
4	7072-102	Carriage Bolt, 1/2" NC x 1-1/2"	4
5	7014-020	Washer, 1/2"	12
6	45890-102-28	Locknut, 1/2" NC	12
7	7072-101	Carriage Bolt, 1/2" x 1-1/4"	8
8	Reference	See Liners & Chain, This Section	



### Liners & Chain Slat Conveyor



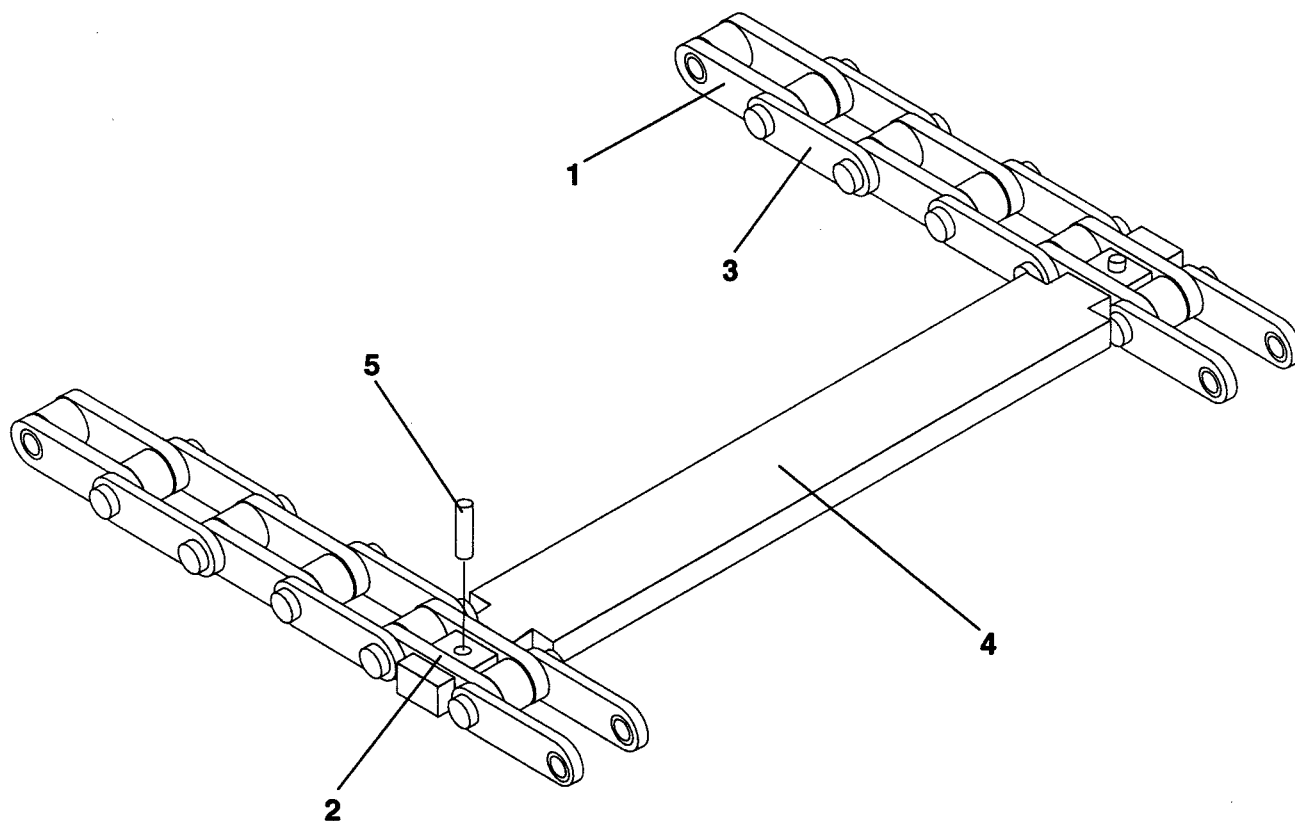


## Liners & Chain Slat Conveyor

Ref. No.	Part Number	Description	Quantity
1	9704-205-07	Cover, Front Slat Shaft	2
2	9704-205-09	Hinge, Stationary Base	2
3	9704-205-14	Liner, Curved End - <i>Front</i>	2
4	9704-205-13	Liner, Flat	4
5	Reference	Slat Conveyor Chain - <i>See Form #22105, This Section</i>	
6	41003-020	Shaft, Hinge	2
7	Reference	<i>See Main Frame Parts, Section 3</i>	
8	9704-205-73	Skirt, Center	1
9	9704-205-12	Skirt, Outer Front	2
10	9704-205-39	Skirt, Center Front Hinged	1
11	9704-206-21	Skirt, Outer Rear	2
12	9704-205-32	Flat, Chain Buffer	8
13	7383-070	Capscrew, 1/2" NC x 1-1/2"	16
	7014-005	Lockwasher, 1/2"	16
	7014-020	Washer, 1/2" Flat	16
14	7389-045	Capscrew, 1/2" x 1-1/4" Sockethead	36
15	45890-102-28	Locknut, 1/2"	36
16	7383-099	Capscrew, 5/8" NC x 1-1/4"	10
17	7383-100	Capscrew, 5/8" NC x 1-1/2"	4
18	7014-022	Washer, 5/8" Flat	14
19	7014-007	Lockwasher, 5/8"	14
20	9704-205-91	Liner, Curved End - <i>Rear</i>	2



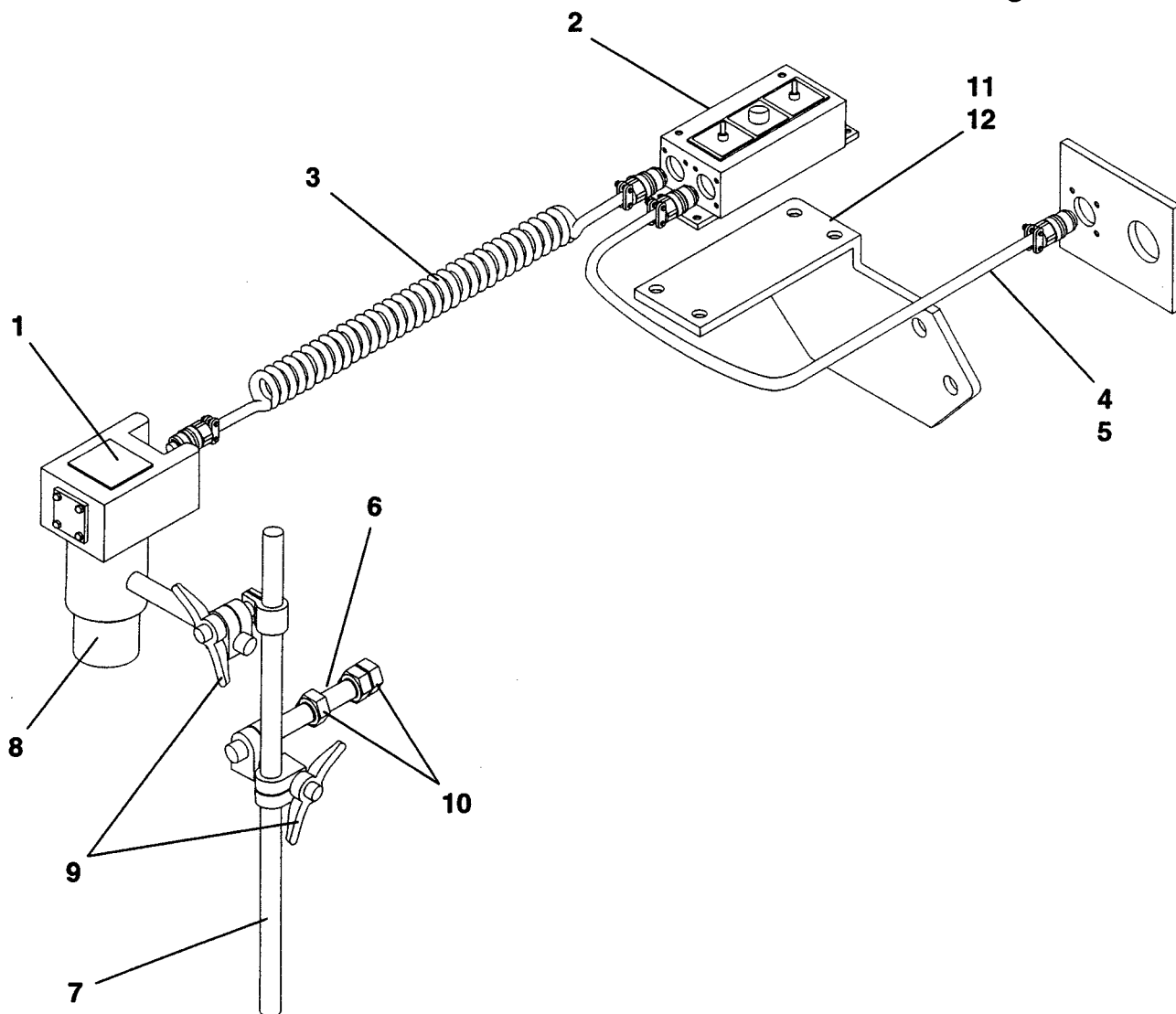
## Slat Conveyor Chain CR351 & CR361 Pavers



Ref. No.	Part Number	Description	Quantity
	9704-206-35	Chain Assembly - Complete	4
1	Consult Factory	Link, Roller - Plain (Includes Bushing & Roller)	As Req
2	Consult Factory	Link, Roller - Slotted (Includes Bushing & Roller)	As Req
3	Consult Factory	Link, Roller - Attaching (Includes Side Bars & Pins)	As Req
4	4430-028-06	Bar, Slat Conveyor	34
5	7238-125	Roll Pin, 5/16" x 1"	68

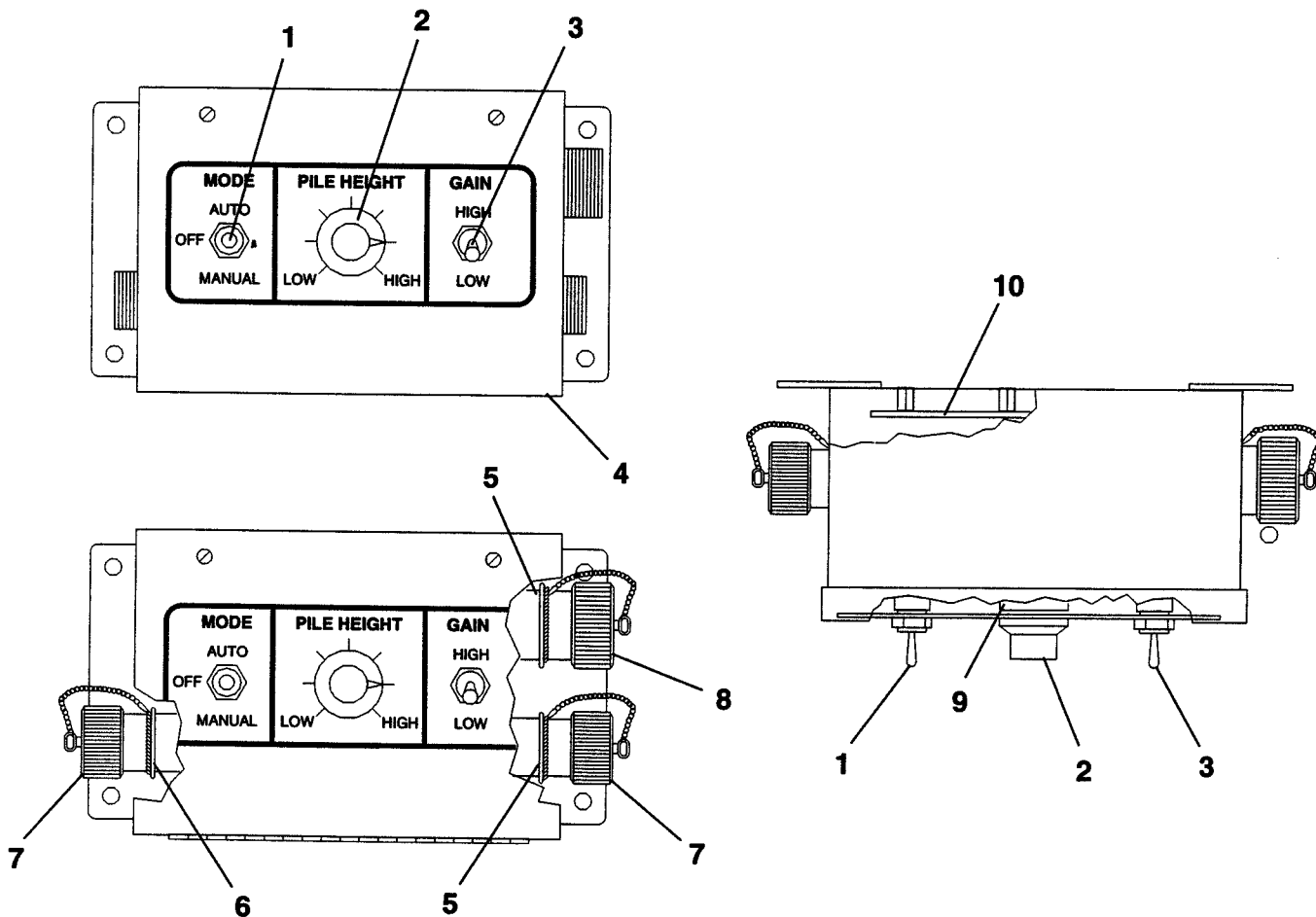


**Sonic Feed Control Mounting**



Ref. No.	Part Number	Description	Quantity
1	46061-100-20	Sensor, Ultrasonic - 6 Pin	2
2	46061-100-27	Controller, Feed - See Form #21912, This Section	2
3	46061-100-23	Cable, Coiled	2
4	9704-410-93	Cable, Power - Left Hand	1
5	9704-410-94	Cable, Power - Right Hand	1
6	9704-452-62	Stud, Gate Mounting	2
7	9704-452-63	Rod, Extension	2
8	9704-452-64	Mount, Sensor	2
9	46185-001-20	Clamp, Adjustable Swivel	4
10	7012-027	Hex Nut, 1/2" NC	4
11	9704-452-76	Mount, Sensor - Right Hand	1
12	9704-452-77	Mount, Sensor - Left Hand	1

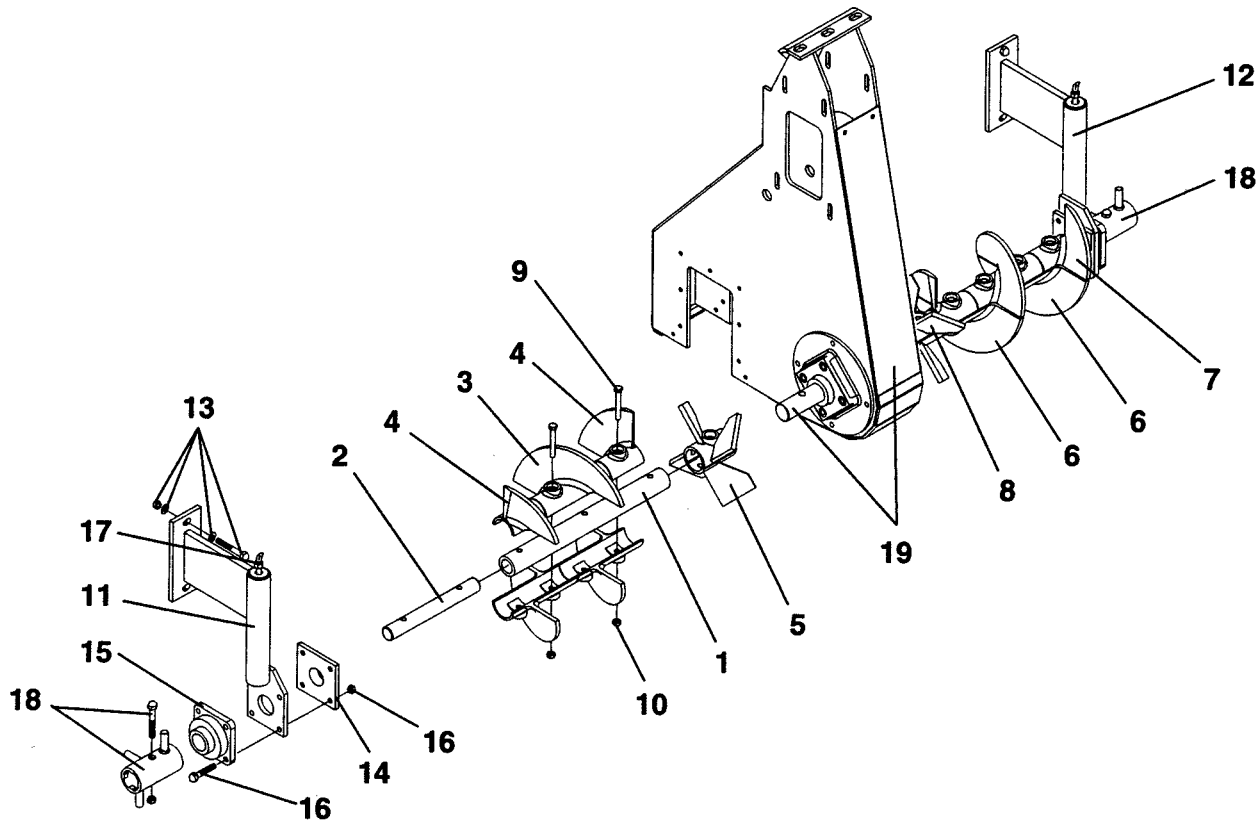
**Feed Controller**



Ref. No.	Part Number	Description	Quantity
	46061-100-27	Feed Controller - Complete	1
1	46200-009-61	Switch, Toggle	1
2	46061-550-11-01	Knob	1
3	46200-009-06	Switch, Toggle	1
4	46061-100-28	Box, Generation III	1
5	46313-001-26	Receptacle, 10 Pin	2
6	46313-010-11	Receptacle, 5 Pin Male	1
7	46313-002-27	Cap, with Chain Cover	2
8	46061-500-32	Cap, with Chain Cover	1
9	46061-100-31	Potentiometer	1
10	46061-100-22	Board, Circuit	1

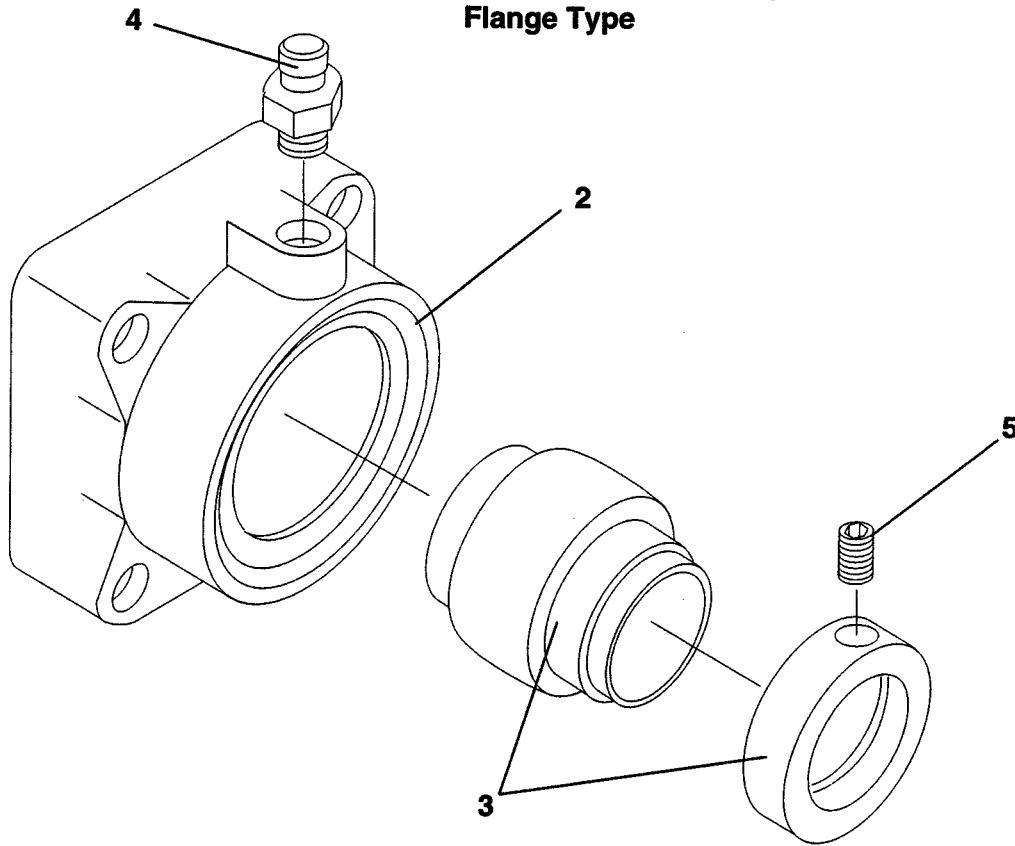


### Screw Conveyor Mounting



Ref. No.	Part Number	Description	Quantity
1	9704-251-75	Tube, Auger Shaft	2
2	9700-040	Shaft, Screw Conveyor	2
3	9704-251-68	Screw, 14" Left Half Section	3
4	9704-251-70	Screw, 14" Left Quarter Section	2
5	9704-251-97	Paddle, Left Reversing / Split	2
6	9704-251-67	Screw, 14" Right Half Section	3
7	9704-251-69	Screw, 14" Right Quarter Section	2
8	9704-251-98	Paddle, Right Reversing / Split	2
9	7383-112	Capscrew, 5/8" x 4-1/2"	10
10	45890-102-29	Locknut, 5/8"	10
11	9704-251-55	Hanger, Bearing - Left Hand	1
12	9704-251-56	Hanger, Bearing - Right Hand	1
13	7072-202	Carriage Bolt, 5/8" x 2-1/4"	4
	7465-002	Washer, 5/8" Hardened Flat	4
	7014-007	Lockwasher, 5/8"	4
	7012-029	Hex Nut, 5/8"	4
14	9704-251-74	Plate, Seal - Auger Bearing	2
15	45134-010-40	Flange Bearing, 1-15/16" Bore	2
16	7389-050	Capscrew, 1/2" x 2-1/2" Sockethead	8
	45890-102-28	Locknut, 1/2"	8
17	40500-015-00-01	Pipe, 1/8" x 15"	2
	7084-001	Coupling, 1/8"	2
	7051-002	Grease Fitting, 1/8" 45°	2
18	9704-251-62	Agitator	2
	7383-109	Capscrew, 5/8" x 3-3/4"	2
	45890-102-29	Locknut, 5/8"	2
19	Reference	See Conveyor & Auger Drive - Section 6	

**Anti-Friction Bearing  
Flange Type**



Ref. No.	Part Number	Description	Quantity
	F0100FGA	Flange Bearing, 1" Bore - Complete	
2	F0100FG	Housing, Bearing	1
3	7041-004	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-046	Setscrew, 1/4" x 1/4" Socket Head	1
	F0103FGA	Flange Bearing, 1-3/16" Bore - Complete	
2	F0103FG	Housing, Bearing	1
3	7041-007	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-046	Setscrew, 1/4" x 1/4" Socket Head	1
	F0106FGA	Flange Bearing, 1-3/8" Bore - Complete	
2	F0107FG	Housing, Bearing	1
3	7041-010	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0107FGA	Flange Bearing, 1-7/16" Bore - Complete	
2	F0107FG	Housing, Bearing	1
3	7041-011	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1

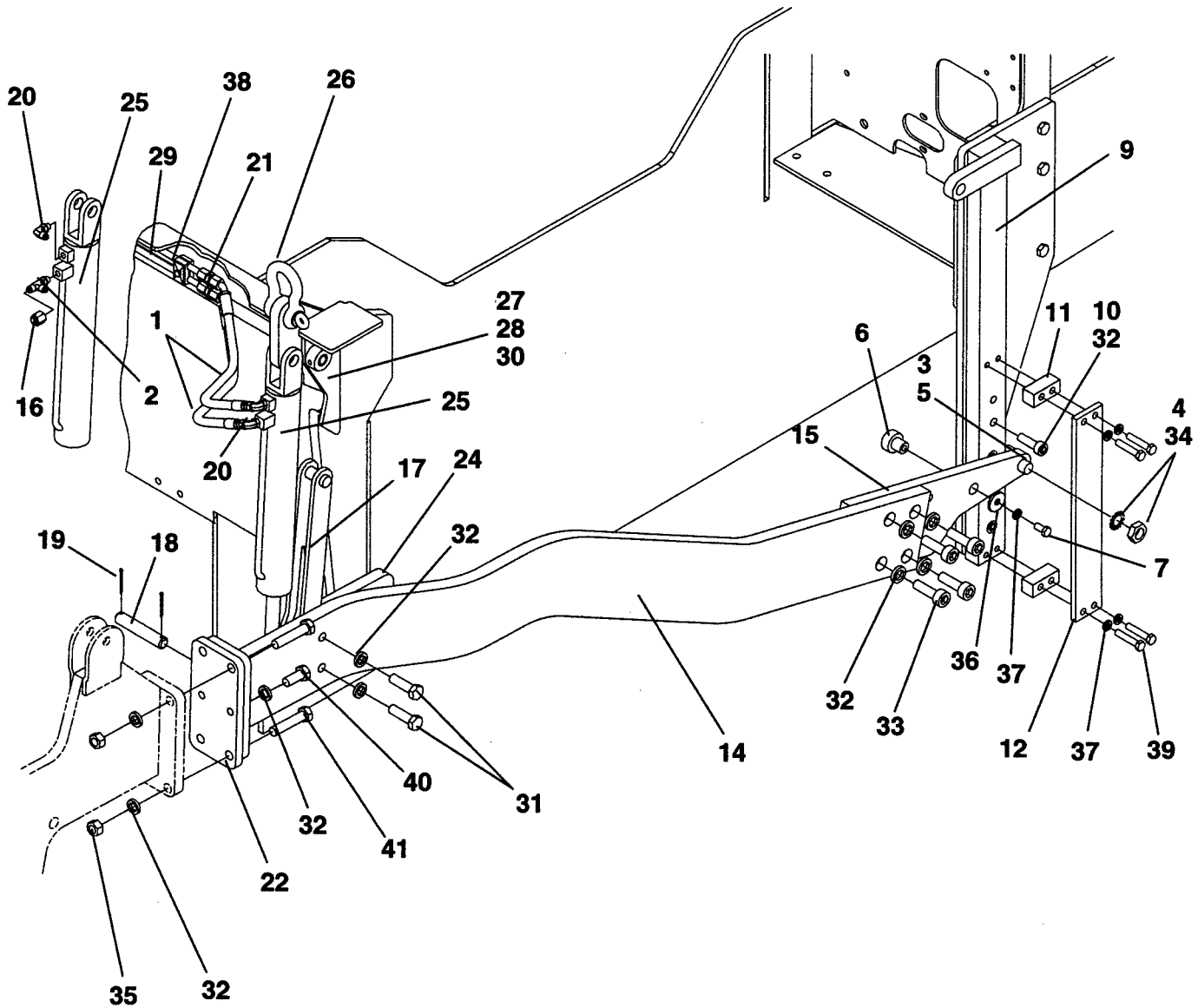


### Anti-Friction Bearing Flange Type

Ref. No.	Part Number	Description	Quantity
	<b>F0110FGA</b>	<b>Flange Bearing, 1-5/8" Bore - Complete</b>	
2	F0111FG	Housing, Bearing	1
3	7041-014	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	<b>F0111FGA</b>	<b>Flange Bearing, 1-11/16" Bore - Complete</b>	
2	F0111FG	Housing, Bearing	1
3	7041-015	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	<b>F0112FGA</b>	<b>Flange Bearing, 1-3/4" Bore - Complete</b>	
2	F0111FG	Housing, Bearing	1
3	7041-016	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	<b>F0115FGA</b>	<b>Flange Bearing, 1-15/16" Bore - Complete</b>	
2	F0115FG	Housing, Bearing	1
3	7041-019	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	<b>F0203FGA</b>	<b>Flange Bearing, 2-3/16" Bore - Complete</b>	
2	F0203FG	Housing, Bearing	1
3	7041-023	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-087	Setscrew, 7/16" x 7/16" Socket Head	1
	<b>F0207FGA</b>	<b>Flange Bearing, 2-7/16" Bore - Complete</b>	
2	F0207FG	Housing, Bearing	1
3	7041-024	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-087	Setscrew, 7/16" x 7/16" Socket Head	1
	<b>F0215FGA</b>	<b>Flange Bearing, 2-15/16" Bore - Complete</b>	
2	F0215FG	Housing, Bearing	1
3	7041-025	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-100	Setscrew, 1/2" x 1/2" Socket Head	1



**Screed Pull Arms**



NOTE: Illustration shows a typical application. Some arrangements may vary.

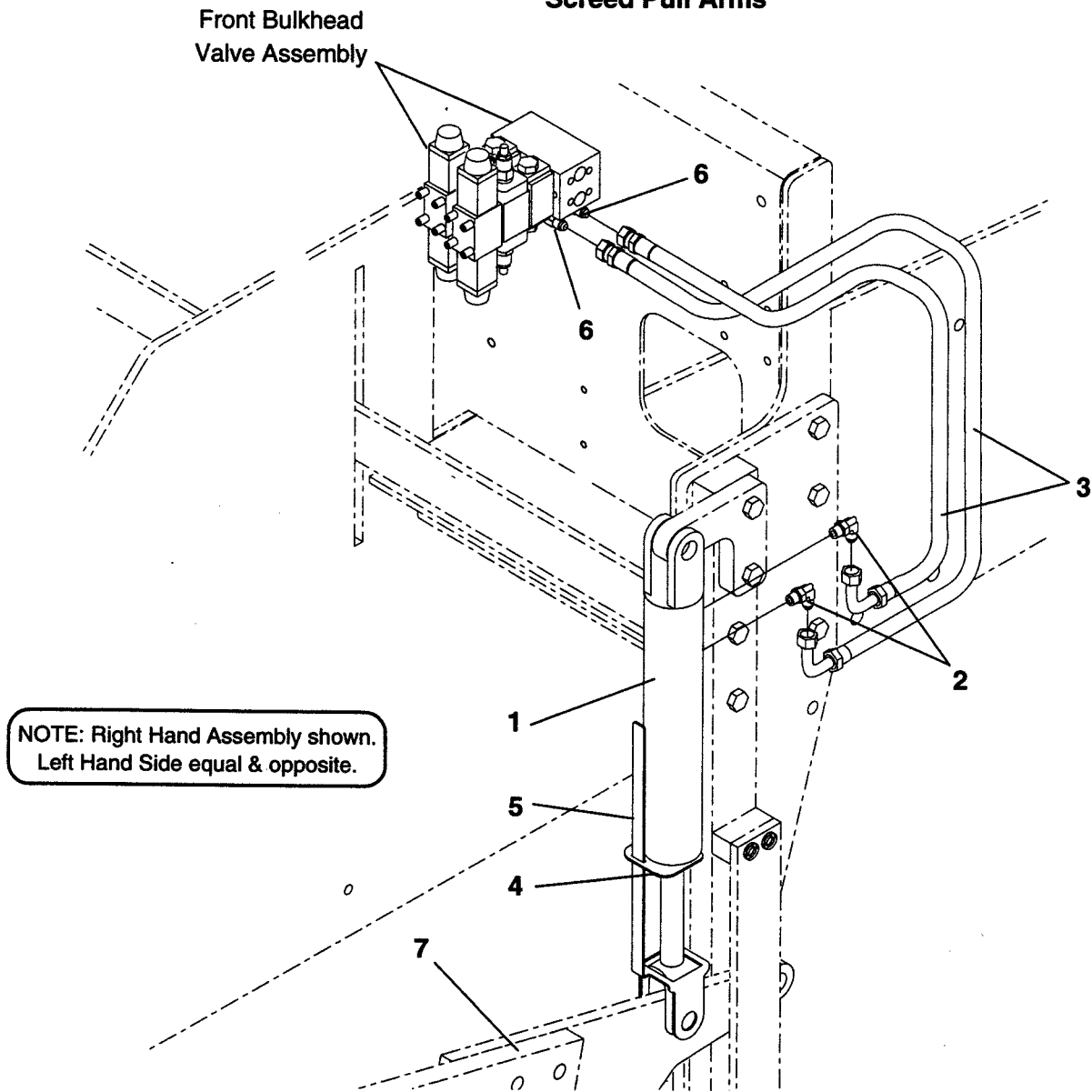


## Screed Pull Arms

Ref. No.	Part Number	Description	Quantity
1	7651-029-34-01	Hose Assembly	4
2	7430-291	Tee, 3/8" Run - with O-Ring	1
	45259-508-12	O-Ring, 7/16" (For above fitting)	As Req
3	45134-002-83	Cam, Follower	2
4	7017-054	Hex Nut, 1" NF Jam	2
5	45245-014-01	Fitting, Drive ( <i>Use tool 45245-015-01</i> )	2
6	9704-557-22	Bushing, Pull Arm	2
7	7394-068	Capscrew, 1/2" NF x 1"	2
8	9704-906-35	Mount, Cylinder - Left Hand ( <i>Not Shown</i> )	1
9	9704-906-36	Mount, Cylinder - Right Hand	1
10	7025-032	Capscrew, 5/8" NC x 1-1/2" - Sockethead	10
11	9704-551-28	Spacer	4
12	9704-560-46	Flat, Pull Arm Slide	2
13	9704-578-27	Arm, Pull - Left Hand ( <i>Not Shown</i> )	1
14	9704-578-28	Arm, Pull - Right Hand	1
15	9704-578-52	Plate, Pull Arm Nose	2
16	7430-228	Cap, 3/8"	1
17	9704-905-42	Lock, Screed	2
18	9704-312-49	Pin, Cylinder	2
19	7011-066	Cotter Pin, 5/32" x 2"	4
20	7430-275	Elbow, 90° 3/8" with O-Ring	3
	45259-508-13	O-Ring ( <i>For above fitting</i> )	As Req
21	7430-385	Fitting, Union 1/2"	2
22	Consult Factory	Bracket, Lift - Right Hand	1
23	Consult Factory	Bracket, Lift - Left Hand ( <i>Not Shown</i> )	1
24	9704-576-50	Buffer, Pull Arm - 300 Series	2
25	45090-007-86	Hydraulic Cylinder	2
	45090-007-85-01	Seal Kit ( <i>For above cylinder</i> )	As Req
26	7262-020	Shackle, 3-1/4"	2
27	9704-905-01	Lock, Screed Release - Left Hand ( <i>Not Shown</i> )	1
28	9704-905-02	Lock, Screed Release - Right Hand	1
29	9704-905-31	Rod, Screed Lock Release	1
30	7238-141	Roll Pin, 3/8" x 2"	2
31	7383-119	Capscrew, 3/4" NC x 2-1/4"	4
32	7014-009	Lockwasher, 3/4"	As Req
33	7025-042	Capscrew, 3/4" NC x 1-1/2" - Sockethead	8
34	7007-015	Washer, Shakeproof	2
35	7012-030	Hex Nut, 3/4" NC	8
36	9700-459	Washer	2
37	7014-005	Lockwasher, 1/2"	10
38	Reference	<i>See Basket Plumbing, Section 7</i>	
39	7383-074	Capscrew, 1/2" NC x 2-1/2"	8
40	7383-117	Capscrew, 3/4" NC x 1-3/4"	4
41	7383-124	Capscrew, 3/4" NC x 3-1/2"	8



**Front Bulkhead Plumbing  
Screed Pull Arms**



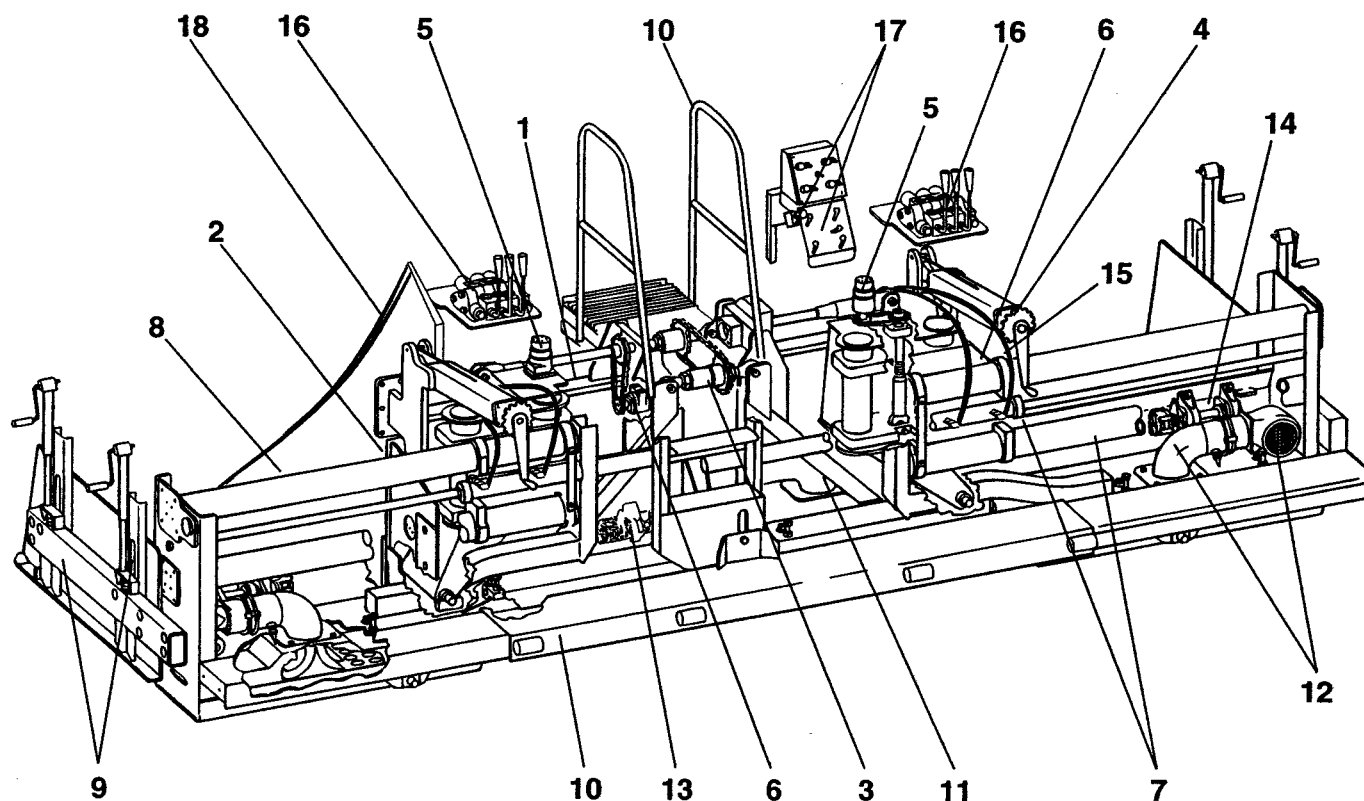
Ref. No.	Part Number	Description	Quantity
1	45090-007-85	Hydraulic Cylinder	2
	45090-007-85-01	Seal Kit (For above Cylinder)	As Req
2	7430-275	Elbow, 90° 3/8" - with O-Ring	4
	45259-508-12	O-Rings, 7/16" (For above fitting)	As Req
3	7651-032-35	Hose Assembly, <i>Cylinder to Front Bulkhead</i>	4
4	9704-903-70	Guide, Indicator	2
5	9704-903-47	Indicator, Slope	2
6	7430-383	Elbow, 90° 3/8" Swivel Nut	4
7	Reference	<i>See Screed Pull Arms, Section 5</i>	



**Model Stretch 16  
Hydraulic Extendable Screed**

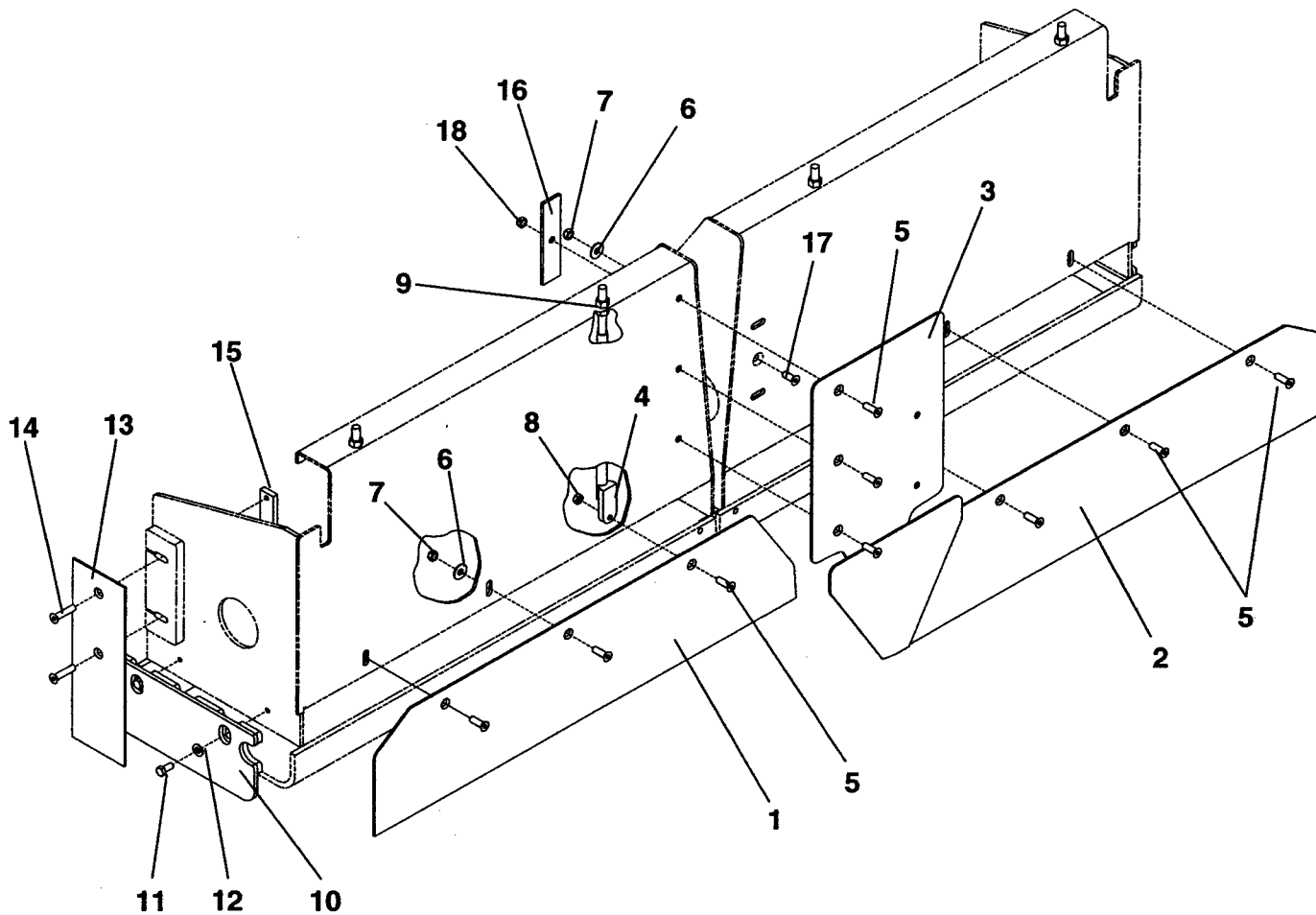
**Serial Number: 50460  
Screed Module: 0910940**

**Components**



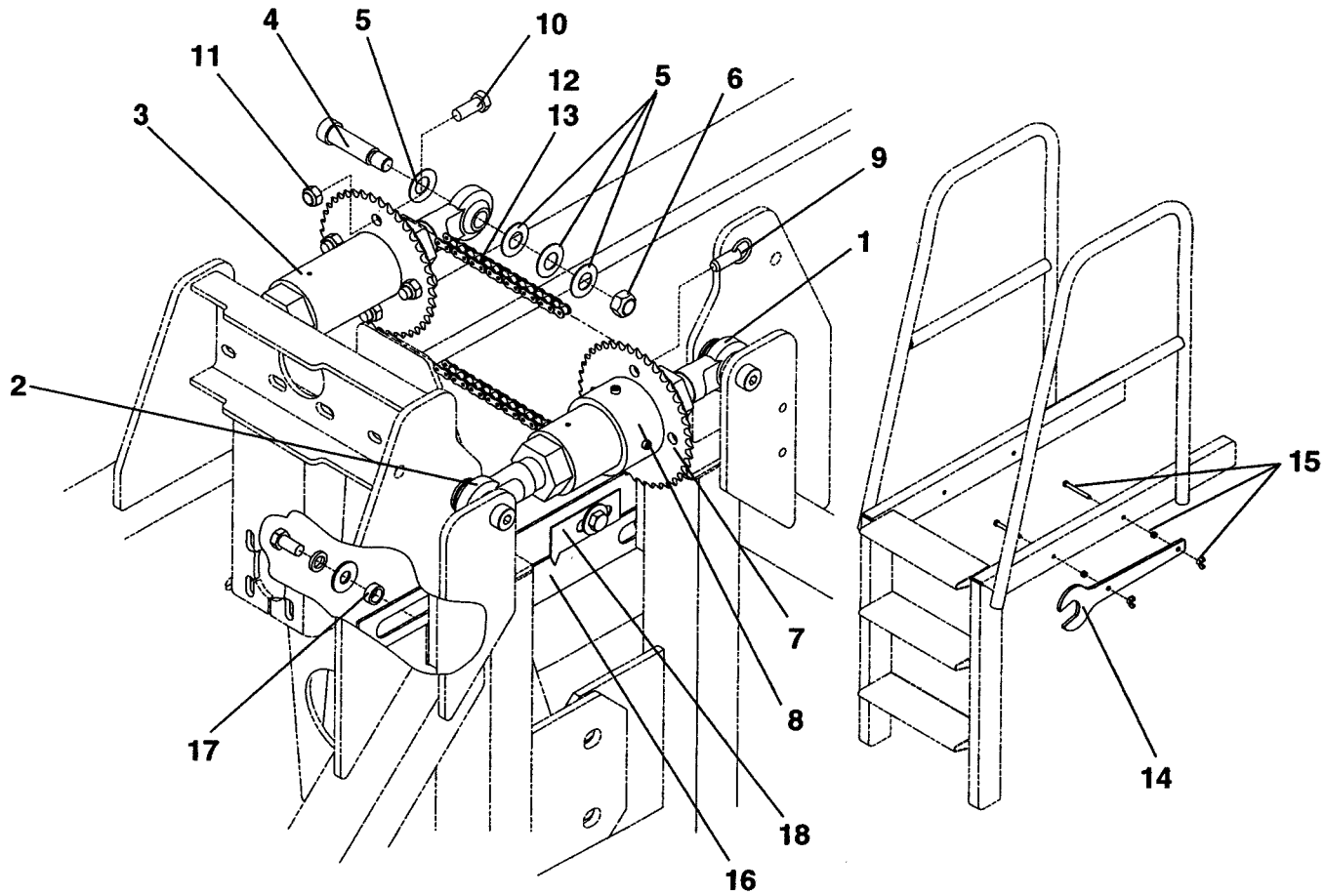
Ref. No.	Description
1	Front Screed
2	Front Screed Strike Off Plates
3	Crown Adjusting Mechanism
4	Pull Arms
5	Vertical Adjusting Parts
6	Tipping Frames
7	Rear Extending Screed Frame & Bottom
8	Rear Screed Strike Off Plates
9	End Gates
10	Screed Walkways and Ladders
11	Burners - Front Screed
12	Burners - Rear Extending Screed
13	Hydraulic Vibrators - Front Screed
14	Hydraulic Vibrators - Rear Extending Screed
15	Power Function Hydraulics
16	Control Valves & Hydraulic Fittings
17	Vibrator Functions & Fuel Supply
18	Vibrator & Fuel Lines Plumbing
19	Paver to Screed Hydraulic & Fuel Lines (Not Shown)
20	Decals & Accessories (Not Shown)

## Front Screed Strike Off Plates

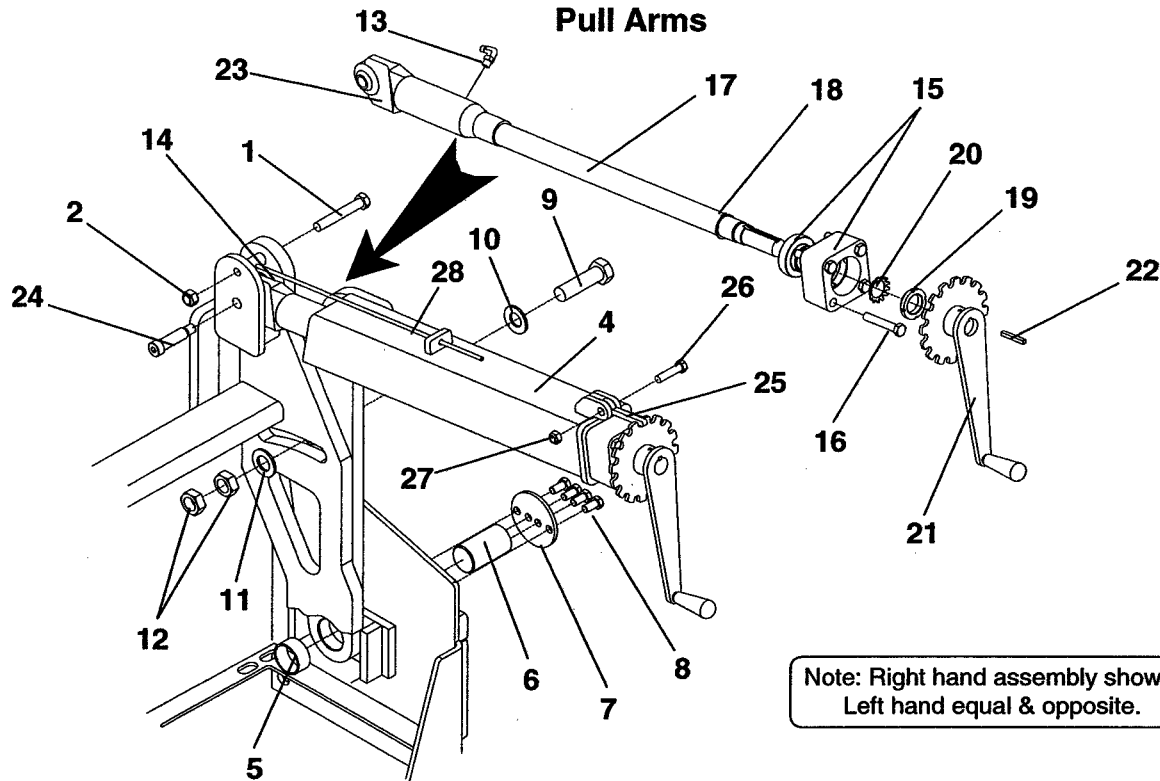


Ref. No.	Part Number	Description	Quantity
1	9704-572-38	Plate, Strike Off - Right Hand	1
2	9704-572-39	Plate, Strike Off - Left Hand	1
3	9704-572-64	Cover, Front Strike Off	1
4	9704-562-41	Plate, Adjusting - Strike Off	4
5	7389-046	Capscrew, 1/2" x 1-1/2" Sockethead	9
6	7014-020	Washer, 1/2"	5
7	45890-102-28	Locknut, 1/2"	5
8	7017-027	Hex Nut, 1/2" Jam	4
9	7012-029	Hex Nut, 5/8"	8
10	9704-573-15	End Plate, Main Screed	2
11	7383-068	Capscrew, 1/2" x 1"	4
12	7097-011	Washer, Flat	4
13	9704-573-16	Seal Plate	2
14	7383-073	Capscrew, 1/2" x 2-1/4"	4
15	9704-574-60	Nut, Seal Plate	2
16	9704-574-55	Cover, Left Hand Front Screed	1
17	7389-045	Capscrew, 1/2" x 1-1/4" Sockethead	1
18	45890-102-28	Locknut, 1/2"	1

**Crown Adjusting Mechanism**



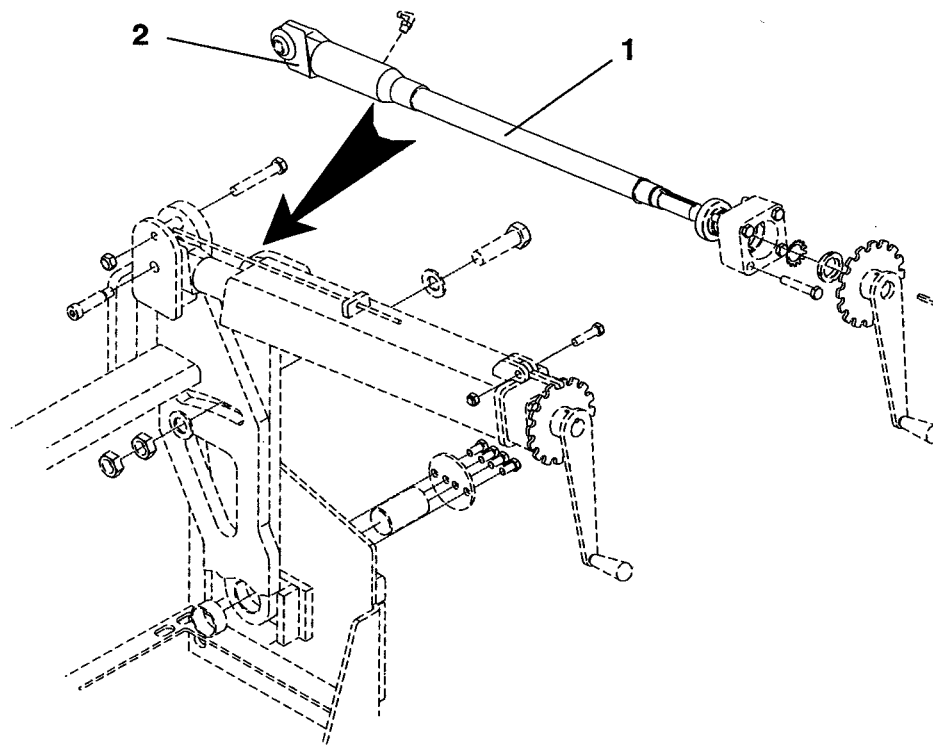
Ref. No.	Part Number	Description	Quantity
1	9704-561-15	Rod End, Left Hand Threads	2
2	9704-561-14	Rod End, Right Hand Threads	2
3	9704-567-32	Turnbuckle, Crown Adjust	2
4	7455-018	Shoulder Screw, 3/4" x 2-1/4"	4
5	7453-603	Washer, Bellville 3/4"	16
6	45890-102-29	Locknut, 5/8"	4
7	1383A40D	Sprocket, Adjusting	2
8	4460-214-02	Collar, Shaft	1
9	45890-750-08	Pin, Quick Release	2
10	7383-069	Capscrew, 1/2" x 1-1/4"	4
11	45890-102-28	Locknut, 1/2"	4
12	50005-020	Chain, #40 Roller	4..2'
13	50005-020-03	Link, #40 Chain	1
14	45500-750-11	Wrench, Crown Adjusting	1
15	7383-047	Capscrew, 3/8" x 3-1/4"	2
	7012-025	Hex Nut, 3/8"	2
	7056-011	Wing Nut, 3/8"	2
16	9704-563-60	Flat, Crown Indicator	2
17	9704-553-73	Spacer	4
18	9704-558-57	Pointer, Main Screed Crown	1



Note: Right hand assembly shown.  
Left hand equal & opposite.

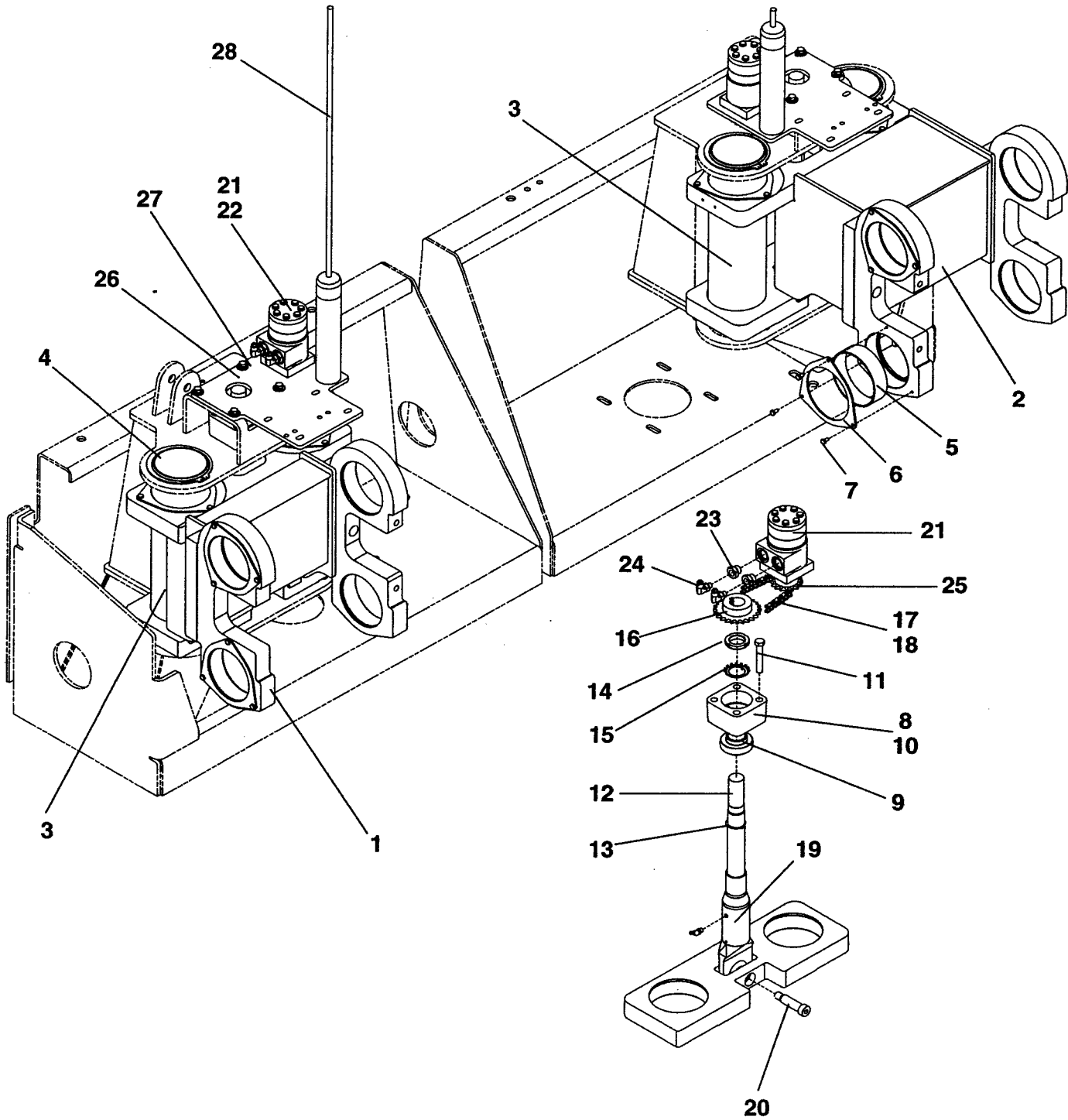
Ref. No.	Part Number	Description	Quantity
1	7383-110	Capscrew, 5/8" x 4"	2
2	45890-102-29	Locknut, 5/8"	2
3	9704-572-27	Pull Arm, Left Hand	1
4	9704-572-28	Pull Arm, Right Hand	1
5	45134-002-85	Bearing, Pivot	2
6	9704-563-86	Pin, Pivot - Pull Arm	2
7	9704-572-68	Cap, Pivot - Pull Arm	2
8	7383-068	Capscrew, 1/2" x 1"	8
9	7383-159	Capscrew, 1" x 3-1/2"	2
10	7453-251	Washer, 1" Bevel	2
11	7465-005	Washer, 1" Flat	2
12	7017-032	Hex Nut, 1" Jam	4
13	7051-004	Grease Fitting, 90° 1/8'	2
14	7014-023	Washer, 3/4"	4
15	4431-721-02	Bearing, Screed Adjust - Complete	2
	4431-721-01	Housing, Bearing	As Req
	7041-026	Ball Bearing	As Req
	7051-001	Grease Fitting, 1/8"	As Req
16	7383-076	Capscrew, 1/2" x 3"	8
17	Reference	Shaft, Mat Thickness - R.H. - (See Form # 22360)	2
17	Reference	Shaft, Mat Thickness - L.H. - (See Form # 22359)	2
18	7253-040	Retaining Ring	2
19	7030-008	Lock Nut, SKF	2
20	7033-008	Lockwasher	2
21	9704-569-62	Crank	2
22	40800-002	Key, 1/4" x 2"	2
23	Reference	Link, Right Hand ACME - (See Form # 22360)	2
23	Reference	Link, Left Hand ACME - (See Form # 22359)	2
24	7455-018	Screw, Shoulder 3/4" x 2-1/4"	2
25	9704-568-84	Flat, Locking	2
26	7383-072	Capscrew, 1/2" x 2"	2
27	45890-102-28	Locknut, 1/2"	2
28	9704-572-70	Indicator, Mat Thickness	2

**Shaft and Link - Pull Arms**



Ref. No.	Part Number	Description	Quantity
1	9704-572-43	Shaft, Mat Thickness - R. H. Threads ( <i>Standard Rotation</i> )	2
2	9704-565-64	Link, Right Hand ACME ( <i>Standard Rotation</i> )	2

### Vertical Adjusting Parts

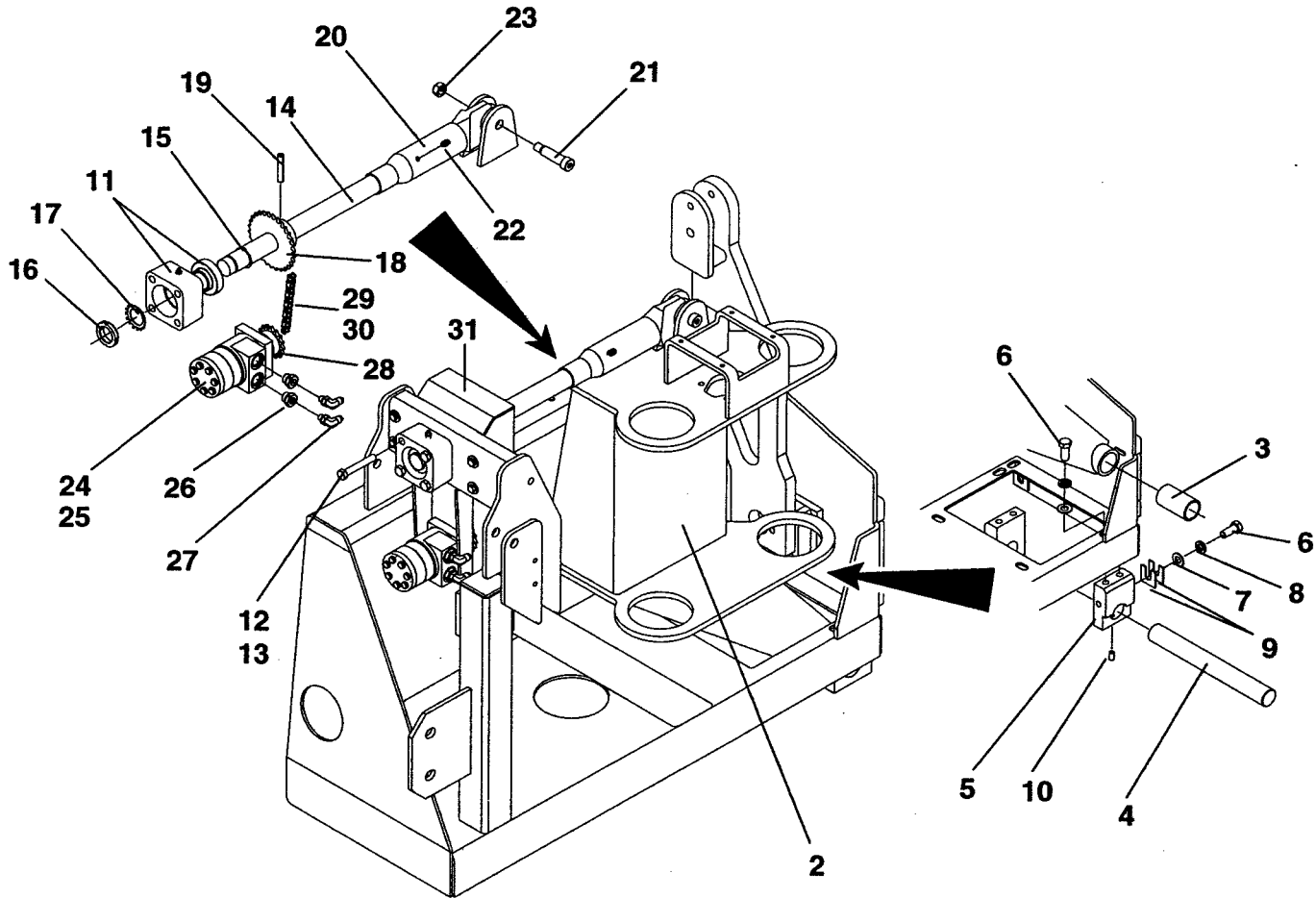




### Vertical Adjusting Parts

Ref. No.	Part Number	Description	Quantity
1	9704-572-93	Box, Vertical Adjust - Left Hand	1
2	9704-572-92	Box, Vertical Adjust - Right Hand	1
3	9704-572-65	Tube, Vertical	4
4	7253-084	Retaining Ring	8
5	45134-003-05	Bearing	16
6	9704-557-45	Retainer, Bearing	16
7	7383-002	Capscrew, 1/4" x 1/2"	48
	4431-721-02	Bearing, Screed Adjusting Screw - Complete	2
8	4431-721-01	Housing, Bearing	2
9	7041-026	Ball Bearing	2
10	7051-001	Grease Fitting, 1/8"	2
11	7383-076	Capscrew, 1/2" x 3"	8
12	9704-565-68	Shaft, Vertical Adjust	2
13	7253-040	Retaining Ring	2
14	7030-008	Locknut, SKF	2
15	7033-008	Lockwasher	2
	45065-003-74	Sprocket, Shaft	2
16	40801-001-50	Key, 5/16" Square	2
	7131-052	Setscrew, 1/4" x 3/4"	4
17	50005-020	Chain, #40	1.9'
18	50005-020-03	Link, #40 Chain	2
19	9704-565-62	Link, Shaft - Right Hand ACME	2
20	7455-018	Screw, Shoulder 3/4" x 2-1/4"	2
21	45080-006-01	Hydraulic Motor - Eaton	2
	45080-006-01-01	Seal Kit (For above motor)	As Req
	7383-039	Capscrew, 3/8" x 1-1/4"	8
22	7014-018	Washer, 3/8"	8
	7014-003	Lockwasher, 3/8"	8
23	45720-775-56	Reducer, Fitting	4
24	7430-275	Elbow, 3/8" 90° with O-Ring	4
	45259-508-13	O-Ring (for above fitting)	As Req
25	45065-003-53	Sprocket, Motor	2
26	9704-572-91	Mount, Motor & Valve	2
	7383-039	Capscrew, 3/8" x 1-1/4"	8
27	7014-018	Washer, 3/8"	8
	7014-003	Lockwasher, 3/8"	8
28	45191-508-03	Support, Hose & Spring	2

### Tipping Frames



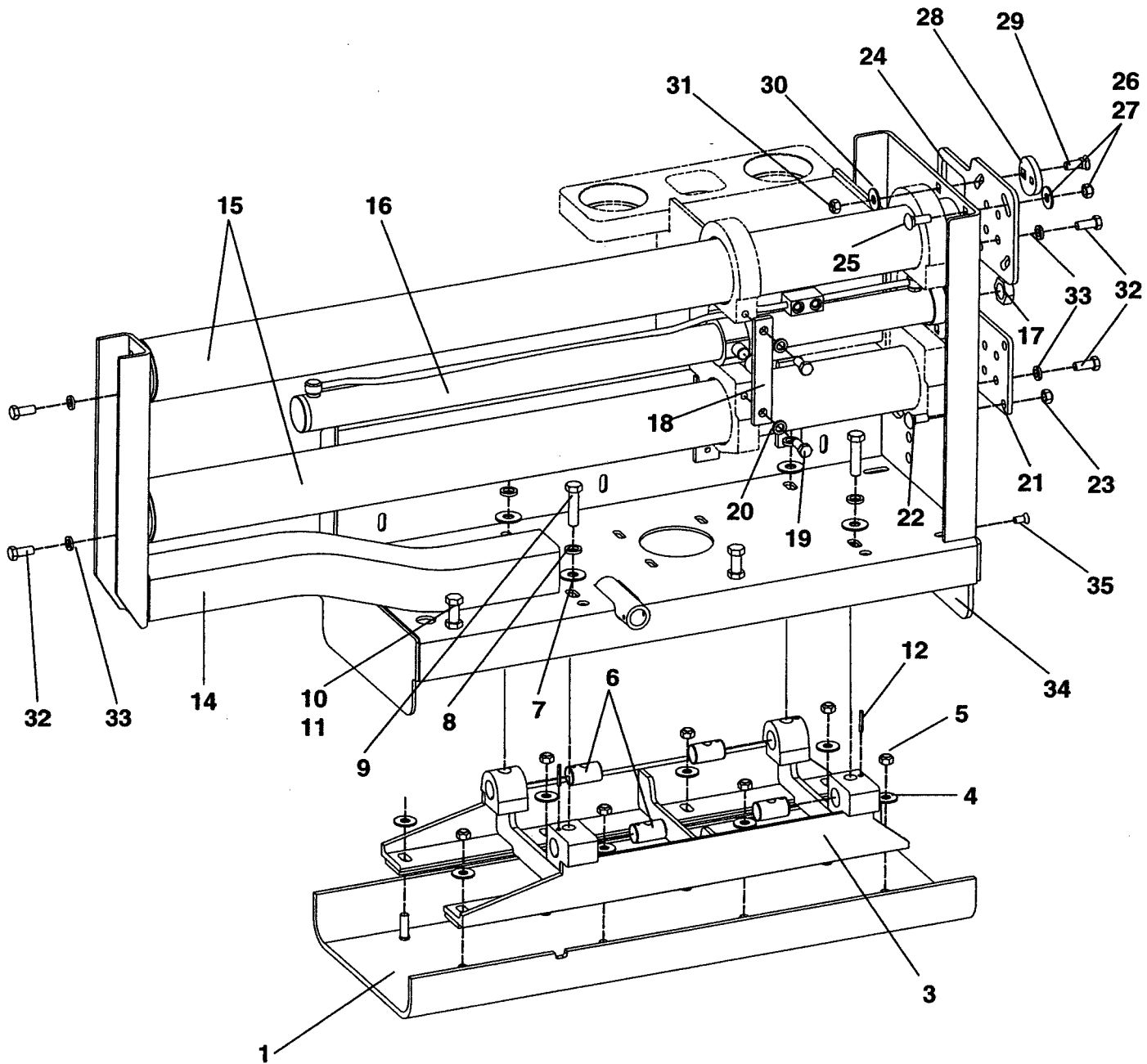
Note: Right hand assembly shown.  
Left hand equal & opposite.



## Tipping Frames

Ref. No.	Part Number	Description	Quantity
1	9704-572-51	Frame, Rear Screed - Left Hand	1
2	9704-572-50	Frame, Rear Screed - Right Hand	1
3	7254-019	Bearing	4
4	9704-572-89	Shaft, Pivot	2
5	9704-572-66	Block, Pivot - Tipping Frame	4
6	7383-117	Capscrew, 3/4" x 1-3/4"	12
7	7097-015	Washer, Flat	12
8	7014-009	Lockwasher, 3/4"	12
9	5202-500-38	Strip	12
10	7131-104	Set Screw, 1/2" x 1"	4
11	4431-721-02	Bearing, Screed Adjust - Complete	2
	4431-721-01	Housing, Bearing	As Req
	7041-026	Ball Bearing	As Req
	7051-001	Grease Fitting, 1/8"	As Req
12	7383-077	Capscrew, 1/2" x 3-1/4"	8
13	45890-102-28	Locknut, 1/2"	8
14	9704-572-71	Shaft, Slope Adjust	2
15	7253-040	Retaining Ring	2
16	7030-008	Locknut, SKF	2
17	7033-008	Lockwasher	2
18	1383A30C	Sprocket, Shaft	2
19	7238-170	Roll Pin	2
20	9704-565-64	Link, Right Hand ACME	2
21	7455-018	Screw, Shoulder 3/4" x 2-1/4"	2
22	7051-002	Grease Fitting, 45° 1/8"	2
23	45890-102-29	Locknut, 5/8"	2
24	45080-006-01	Hydraulic Motor - Eaton	2
	45080-006-01-01	Seal Kit (For above motor)	As Req
	7383-038	Capscrew, 3/8" x 1"	8
25	7014-003	Lockwasher, 3/8"	8
	7014-018	Washer, 3/8"	8
26	45720-775-56	Reducer Fitting	4
27	7430-275	Elbow, 90° 3/8"	4
28	45065-003-53	Sprocket, Motor	2
29	50005-020	Chain, #40	5'
30	50005-020-03	Link, Connector #40	2
31	9704-573-14	Guard, Power Slope	2

### Rear Extending Screed Frame & Bottom



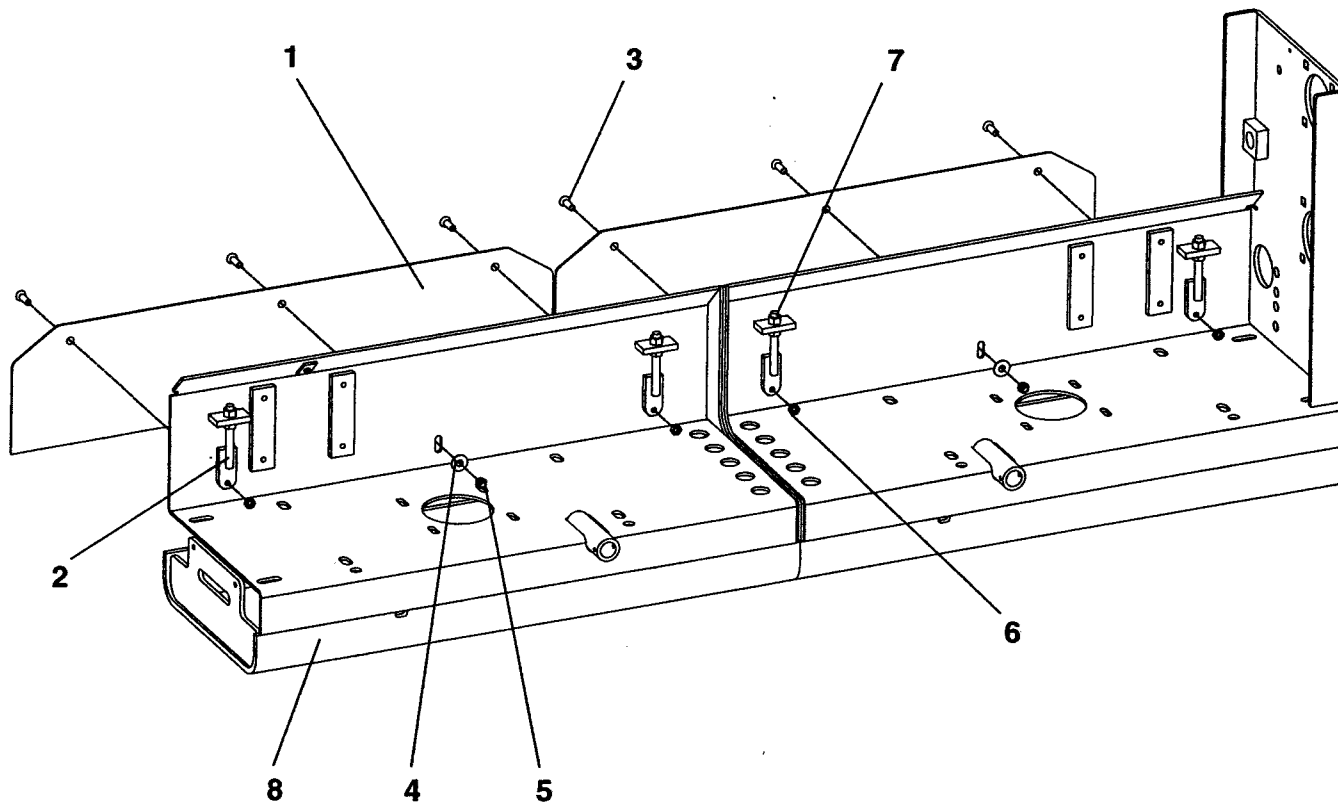
**Right Hand Assembly Shown.  
Left Hand Side Typical**



## Rear Extending Screed Frame & Bottom

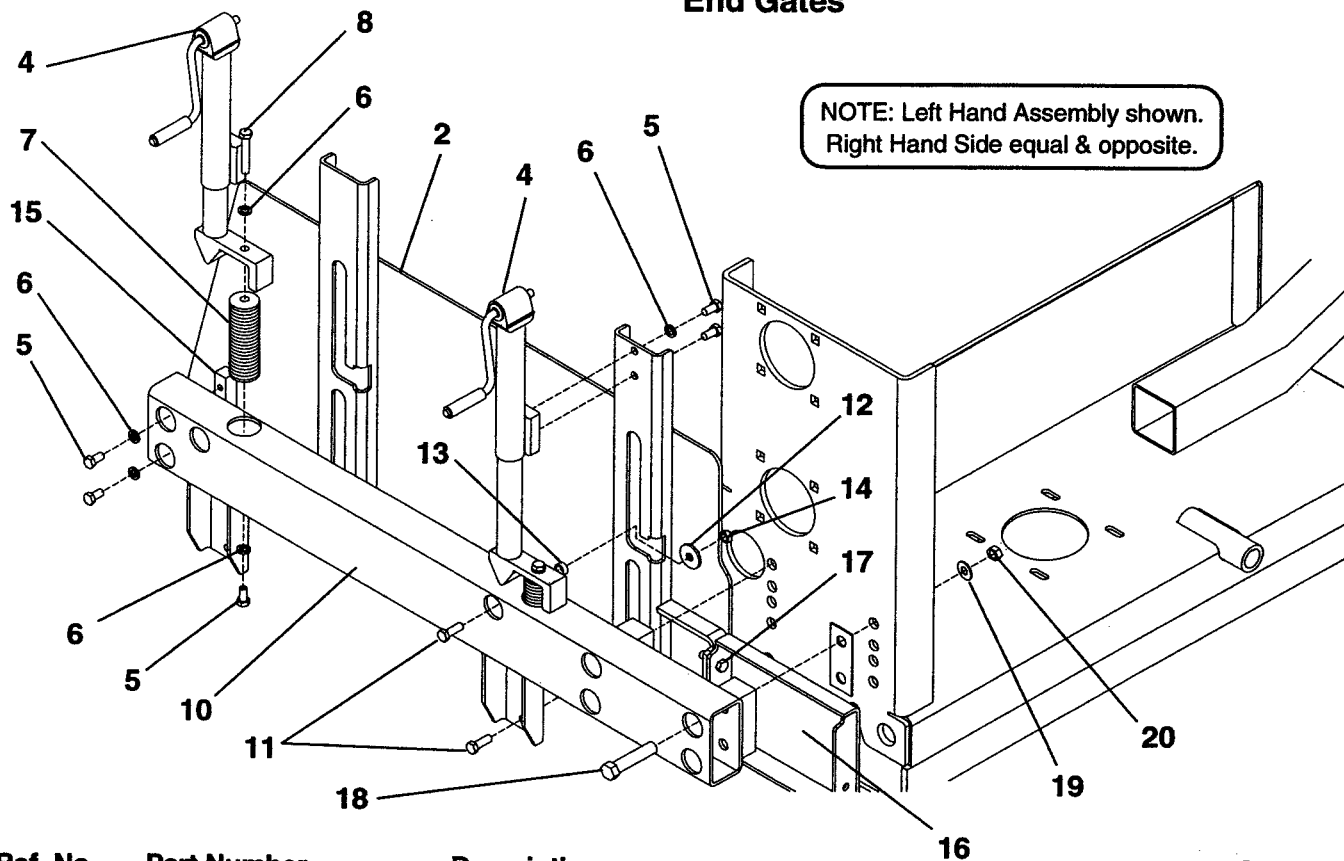
Ref. No.	Part Number	Description	Quantity
1	9704-572-47	Plate, Rear Screed Bottom - Grade "A"	2
2	9704-572-57	Sub Frame, Left Hand Screed Bottom (Not Shown)	1
3	9704-572-56	Sub Frame, Right Hand Screed Bottom	1
4	7014-022	Washer, 5/8"	16
5	45890-102-29	Locknut, 5/8"	16
6	9704-572-82	Pivot Nut, Sub Frame Lock	8
7	7097-015	Washer, Flat	8
8	7014-009	Lockwasher, 3/4"	8
9	7383-122	Capscrew, 3/4" x 3"	8
10	7153-005	Adjusting Bolt	4
11	7012-030	Hex Nut, 3/4"	4
12	7238-116	Roll Pin, 1/4" x 1-3/4"	8
13	9704-573-37	Frame, Screed - Left Hand (Not Shown)	1
14	9704-573-36	Frame, Screed - Right Hand	1
15	9704-572-01	Tube, Extension	4
16	45090-007-93	Hydraulic Cylinder	2
	Consult Factory	Seal Kit (For above Cylinder)	As Req
17	7017-056	Hex Nut, 1-1/4" Jam	4
18	9704-554-74	Support, Tube	2
19	7383-100	Capscrew, 5/8" x 1-1/2"	4
20	7014-007	Lockwasher, 5/8"	4
21	9704-573-78	End Cap	2
22	7072-148	Carriage Bolt, 5/8" x 1-1/2"	8
23	45890-102-29	Locknut, 5/8"	8
24	9704-573-79	Torque Cap	2
25	7072-197	Carriage Bolt, 5/8" x 1-3/4"	8
26	7014-022	Washer, 5/8"	8
27	45890-102-29	Locknut, 5/8"	8
28	9704-573-80	Cam	2
29	7445-020	Plow Bolt, 5/8" x 1-3/4"	2
30	7014-022	Washer, 5/8"	2
31	45890-102-29	Locknut, 5/8"	2
32	7383-100	Capscrew, 5/8" x 1-1/2"	32
33	7014-007	Lockwasher, 5/8"	32
34	9704-573-83	Plate, End	2
35	7389-044	Capscrew, 1/2" x 1" Sockethead	4

## Rear Screed Strike Off Plates



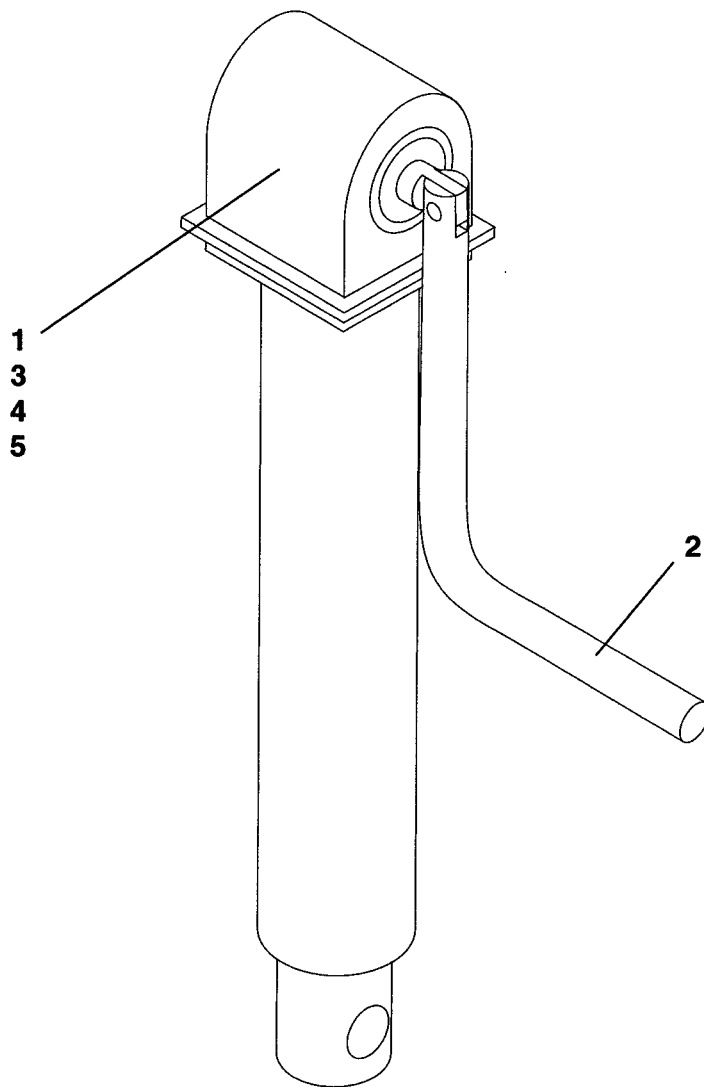
Ref. No.	Part Number	Description	Quantity
1	9704-573-38	Plate, Strike Off - Rear Screed	2
2	9704-554-34	Plate, Adjusting	4
3	7389-046	Capscrew, 1/2" x 1-1/2" Sockethead	6
4	7014-020	Washer, 1/2"	2
5	45890-102-28	Locknut, 1/2"	2
6	7017-027	Hex Nut, 1/2" Jam	4
7	7012-029	Hex Nut, 5/8"	8
8	Reference	See Rear Screed Frame & Bottom - This Section	

## End Gates



Ref. No.	Part Number	Description	Quantity
1	9704-574-24	End Gate, Right Hand (Not Shown)	1
2	9704-574-25	End Gate, Left Hand	1
3	9704-577-78	Jack, Right Hand (Not Shown)	2
4	9704-577-77	Jack, Left Hand	2
	45500-033-77	Jack, Side Wide - Quantity for One Jack	1
	9704-574-47	Mount, Jack - Quantity for One Jack	1
	9704-574-48	Block, Spring - Quantity for One Jack	1
5	7383-068	Capscrew, 1/2" NC x 1"	16
6	7014-005	Lockwasher, 1/2"	20
7	9704-574-37	Spring	4
8	7285-005	Adjusting Bolt, 1/2" NC x 3"	4
9	9704-574-26	Support, End Gate - Right Hand (Not Shown)	1
10	9704-574-27	Support, End Gate - Left Hand	1
11	7383-070	Capscrew, 1/2" NC x 1-1/2"	8
12	9700-459	Washer	8
13	9704-555-07	Spacer, Standoff	8
14	45890-102-28	Locknut, 1/2"	8
15	9704-574-38	Retainer, Block	2
16	9704-577-91	Bracket, Bleed Out	2
17	7383-071	Capscrew, 1/2" NC x 1-3/4"	4
	7014-005	Lockwasher, 1/2"	4
	7012-027	Hex Nut, 1/2" NC	4
	9704-577-81	Hardware Package, End Gate - Complete	
18	7383-125	Capscrew, 3/4" NC x 3-3/4"	8
19	7014-023	Washer, 3/4"	8
20	45890-102-26	Hex Nut, 3/4" Self Locking	8

**End Gate Jack**

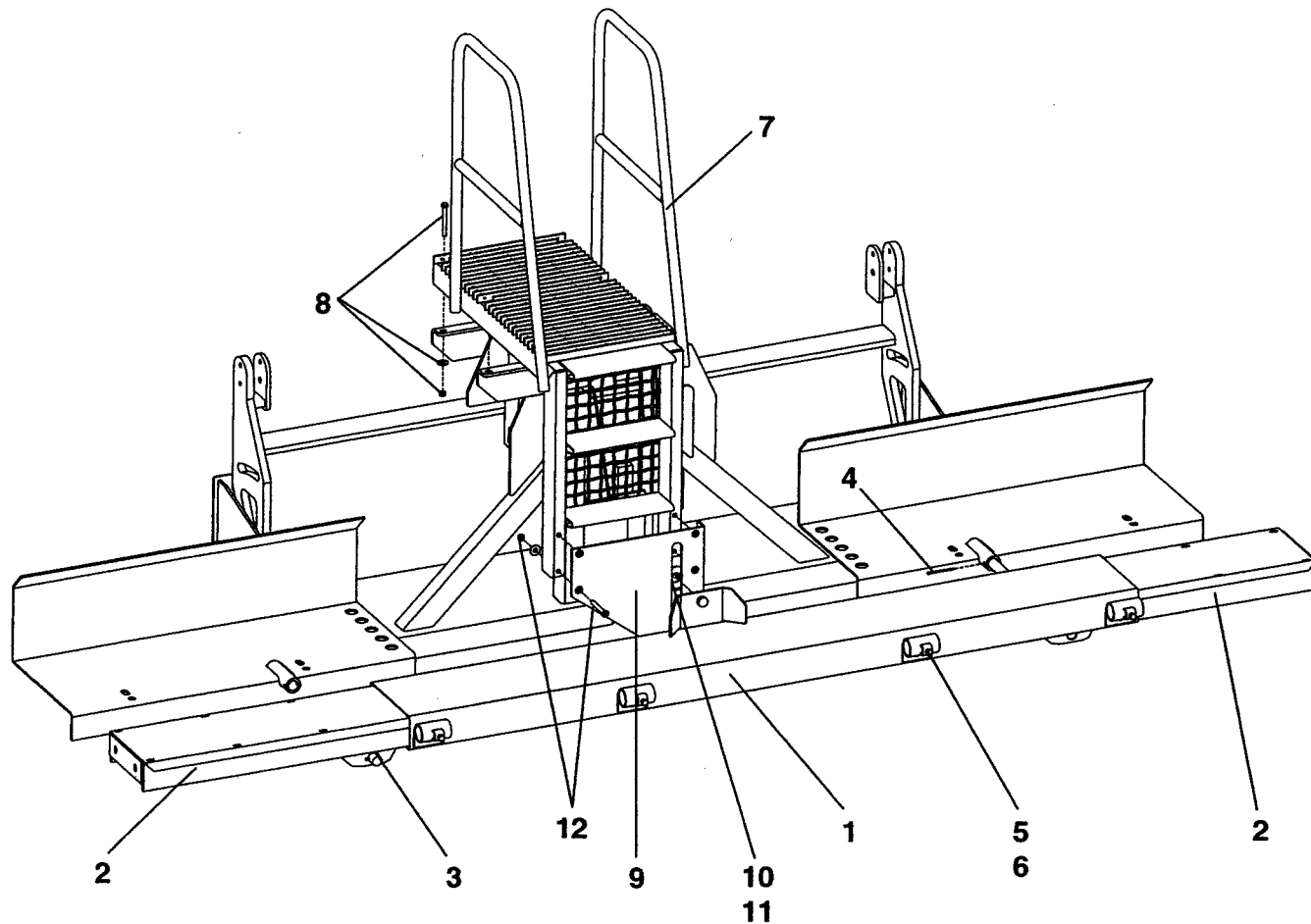


Ref. No.	Part Number	Description	Quantity
	45500-033-77	End Gate Jack - Complete	1
1	45500-033-77-01	Cover Replacement Kit	As Req
2	45500-033-77-02	Handle, Jack	As Req
3	45500-033-77-03	Gear	As Req
4	45500-033-77-04	Roll Pin	As Req
5	45500-033-77-05	Gear Kit	As Req

**NOTE: See End Gates parts list for total number of Jacks required.**

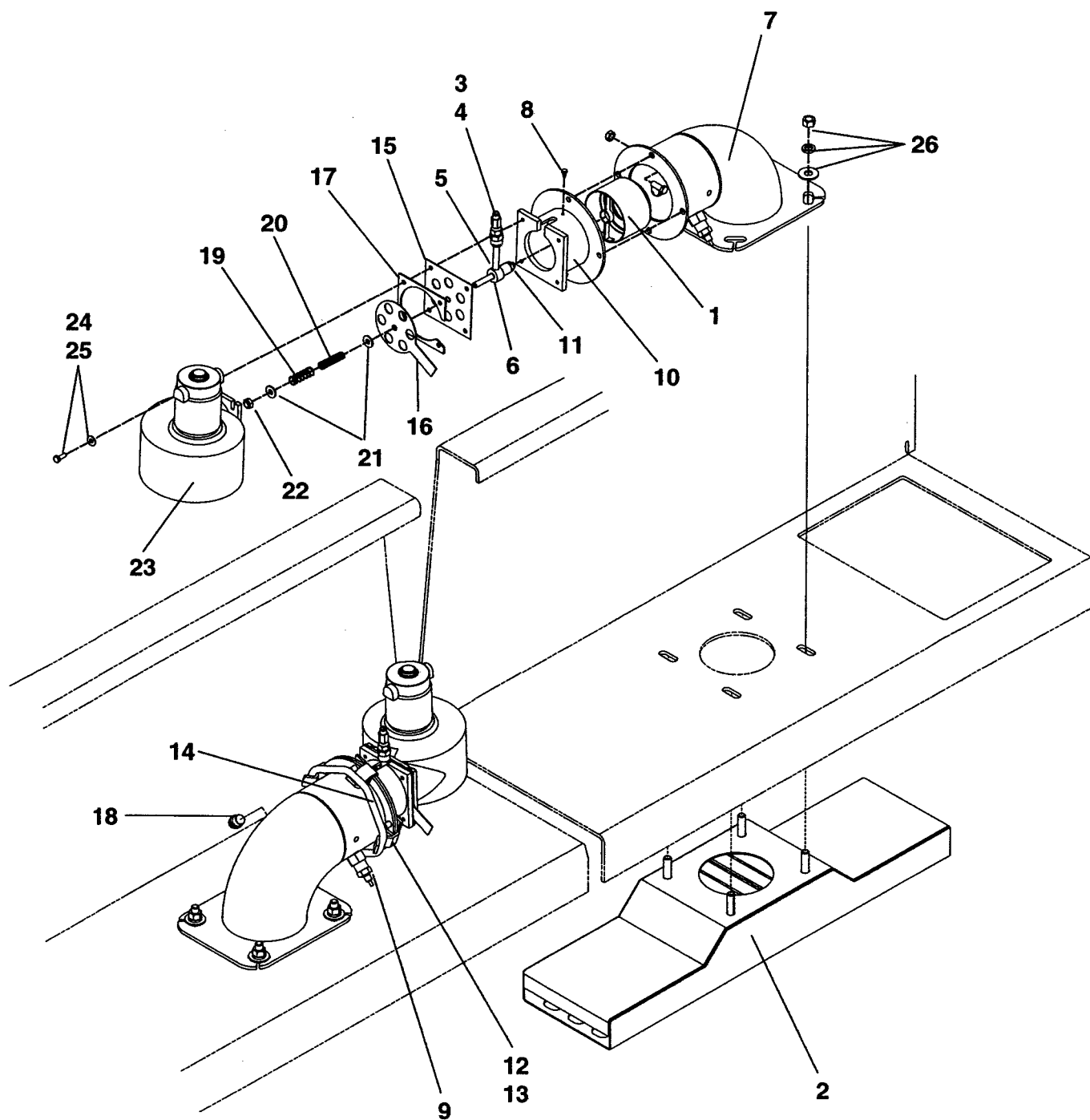


## Screed Walkways



Ref. No.	Part Number	Description	Quantity
1	9704-573-61	Walkway, Screed - Outer	1
2	9704-573-70	Walkway, Screed - Inner	2
3	9704-573-68	Shaft, Walkway Mounting	2
4	7011-108	Cotter Pin, 3/16"	6
5	7012-005	Nut, Square 1/2"	4
6	7383-069	Nut, Square 1/2"	4
7	9704-573-45	Walkway, Upper	1
8	7383-080	Capscrew, 1/2" x 4"	4
	7014-020	Washer, 1/2"	4
	45890-102-28	Locknut, 1/2"	4
9	9704-573-52	Plate, Screed	1
10	7011-108	Cotter Pin, 3/16"	1
11	7014-027	Washer, 1-1/4"	1
12	7389-094	Capscrew, Sockethead 1/2" x 4"	4
	7014-020	Washer, 1/2"	4
	45890-102-28	Locknut,, 1/2"	4

**Burners - Front Scred**

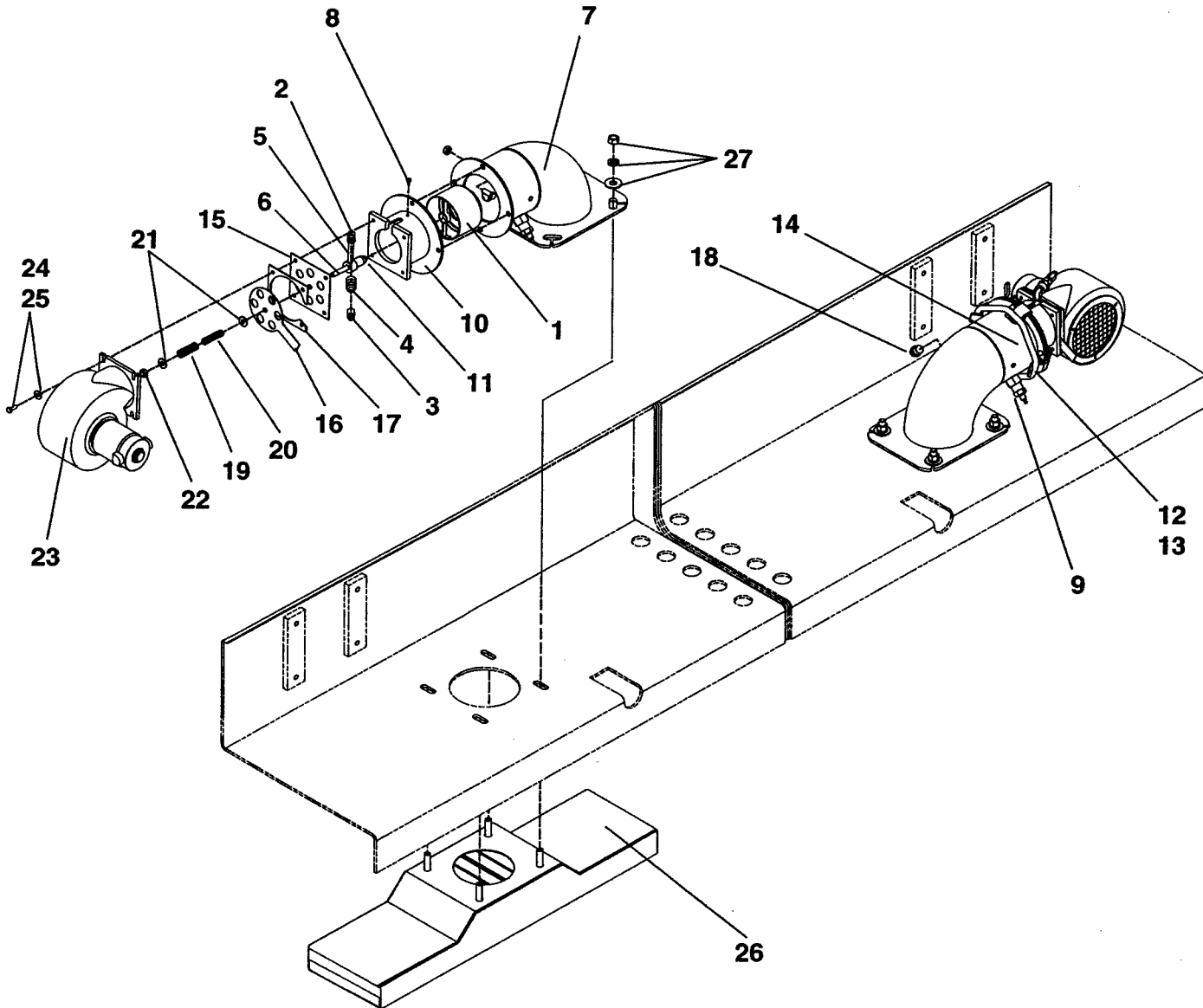




## Burners - Front Screed

Ref. No.	Part Number	Description	Quantity
1	45652-513-06	Cone, Flame	2
2	9704-573-33	Duct, Heat	2
3	7430-008	Connector, 1/8" x 1/4"	2
4	45252-010-17	Valve, Ball Check 1/8"	2
5	40500-002-50-01	Pipe, 1/8" x 2-1/2"	2
6	9704-574-53	Adapter, Screed Burner	2
7	9704-574-58	Duct, Blower	2
8	45890-257-03	Screw, Teks #2	2
9	45652-553-05	Plug, Glow	2
10	9704-562-16	Burner, Nozzle Section	2
11	45251-005-59	Nozzle, Screed Extension	2
12	9704-557-85	Latch	8
13	7383-038	Capscrew, 3/8" x 1"	8
14	45870-001-29	Spring	2
15	9704-558-12	Plate, Orifice - Fixed	2
16	9704-558-13	Plate, Orifice - Rotating	2
17	9704-558-14	Spacer	2
18	5222-751-09	Plug, M18	2
19	45870-001-27	Spring	2
20	1000-317	Spring, 12#/In Rate	2
21	7014-017	Washer, 5/16"	4
22	7386-003	Hex Nut, 3/8"	2
23	45652-504-12	Blower Assembly - See Form # 19563, This Section	2
24	7383-004	Capscrew, 1/4" x 3/4"	8
25	7014-016	Washer, 1/4"	8
26	{ 7014-020	Washer, 1/2"	8
	{ 7014-005	Lockwasher, 1/2"	8
	{ 7012-027	Hex Nut, 1/2"	8

**Burners - Rear Extending Screenshot**

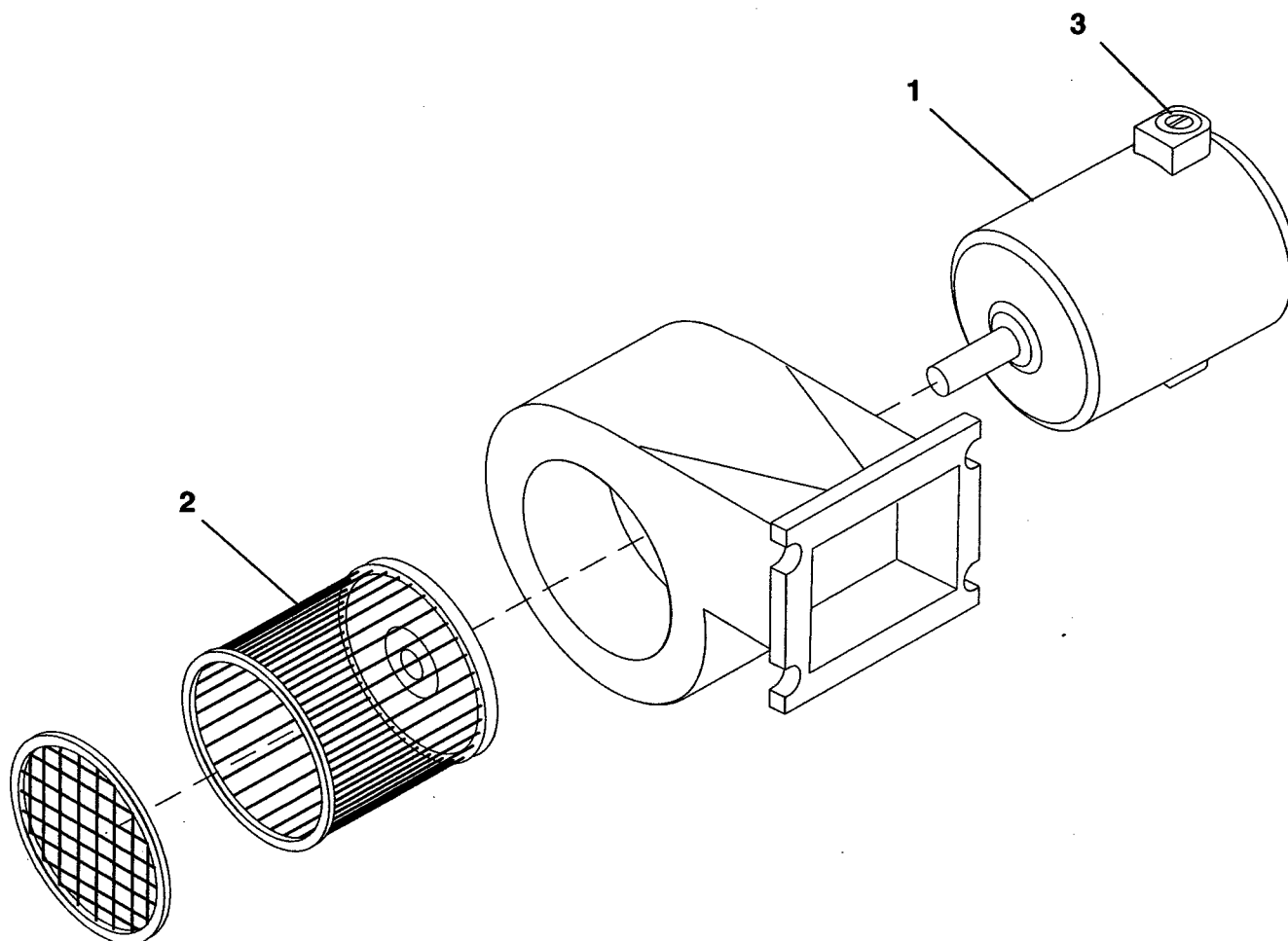




## Burners - Rear Extending Screed

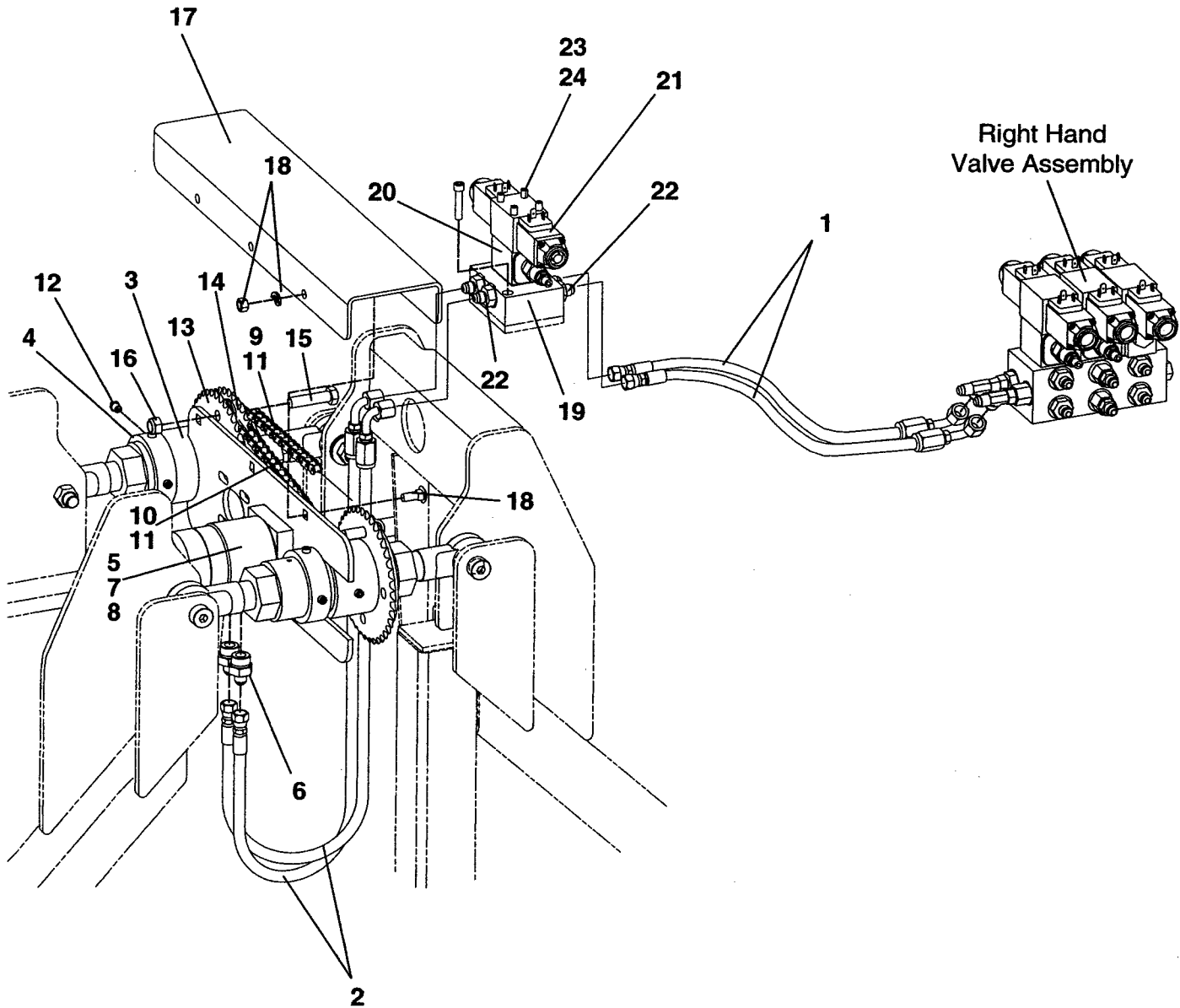
Ref. No.	Part Number	Description	Quantity
1	45652-513-06	Cone, Flame	2
2	45720-770-01	Elbow, Fitting	2
3	7430-008	Connector, 1/8" x 1/4"	2
4	45252-010-17	Valve, Ball Check 1/8"	2
5	40500-002-50-01	Pipe, 1/8" x 2-1/2"	2
6	9704-574-53	Adapter, Screed Burner	2
7	9704-574-58	Duct, Blower	2
8	45890-257-03	Screw, Teks #2	2
9	45652-553-05	Plug, Glow	2
10	9704-562-16	Burner, Nozzle Section	2
11	45251-005-59	Nozzle, Screed Extension	2
12	9704-557-85	Latch	8
13	7383-038	Capscrew, 3/8" x 1"	8
14	45870-001-29	Spring	2
15	9704-558-12	Plate, Orifice - Fixed	2
16	9704-558-13	Plate, Orifice - Rotating	2
17	9704-558-14	Spacer	2
18	5222-751-09	Plug, M18	2
19	45870-001-27	Spring	2
20	1000-317	Spring, 12#/In Rate	2
21	7014-017	Washer, 5/16"	4
22	7386-003	Hex Nut, 3/8"	2
23	45652-504-12	Blower Assembly - See Form # 19563, This Section	2
24	7383-004	Capscrew, 1/4" x 3/4"	8
25	7014-016	Washer, 1/4"	8
26	9704-573-33	Duct, Heat	2
27	7014-020	Washer, 1/2"	8
	7014-005	Lockwasher, 1/2"	8
	7012-027	Hex Nut, 1/2"	8

**Blower Assembly**



Ref. No.	Part Number	Description	Quantity
	45652-504-12	Blower Assembly - Complete	1
1	45652-504-12-01	Motor	1
2	45652-504-12-02	Impeller	1
3	45652-504-12-03	Brush Kit (For Motor)	1

**Power Crown Option**



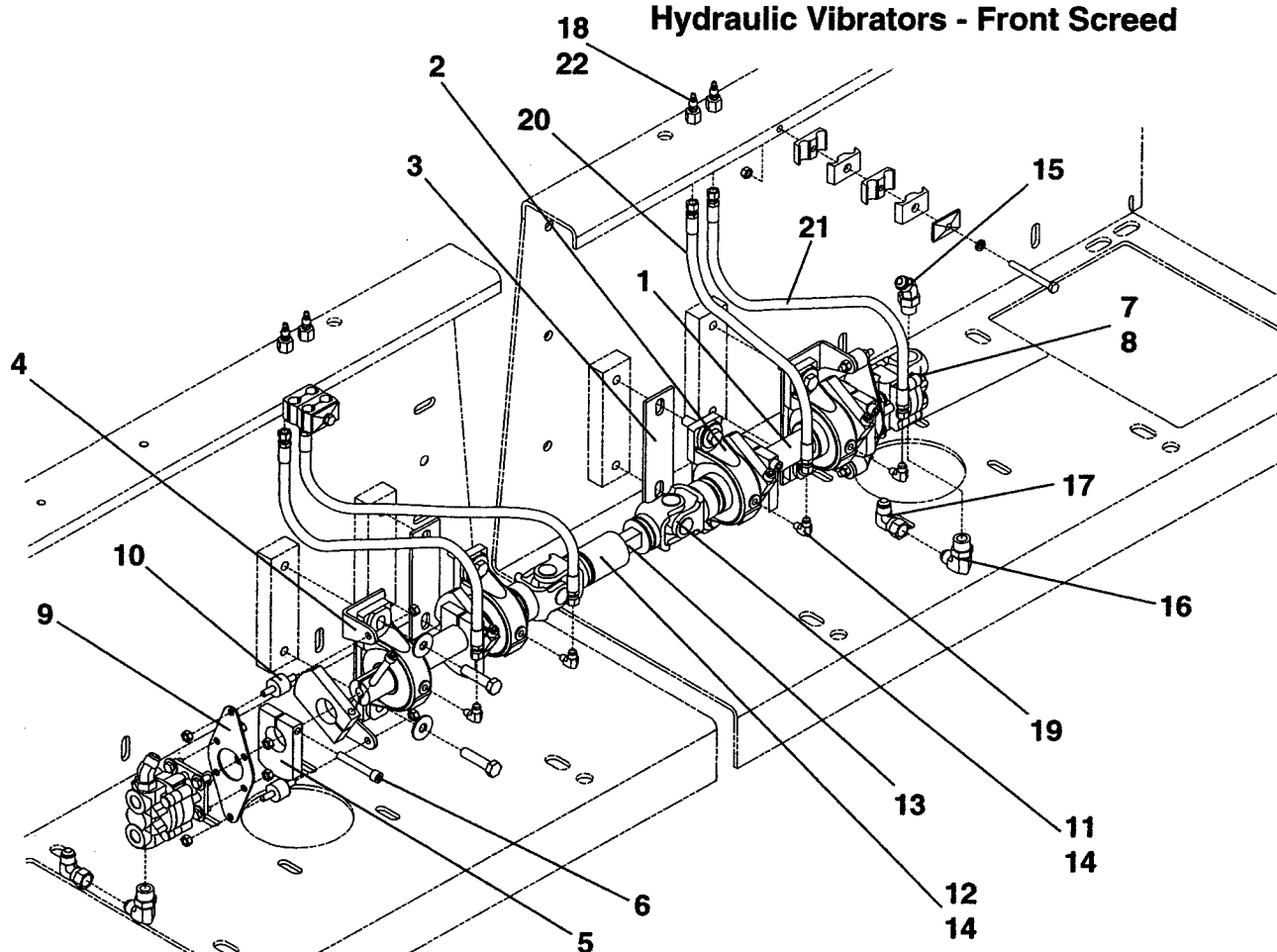


## Power Crown Option

Ref. No.	Part Number	Description	Quantity
1	7650-034-35-02	Hose Assembly, Crown Valve to Valve Assembly	2
2	7650-024-35-01	Hose Assembly, Motor to Valve	2
3	9704-569-28	Mount, Power Crown	1
4	4460-214-01	Collar, Shaft	2
5	45080-006-01	Hydraulic Motor	1
6	7430-373	Connector, 3/8" x 7/8" - with O-Ring	2
	45259-508-71	O-Ring (For above fitting)	As Req
7	{ 7383-038	Capscrew, 3/8" NC x 1"	4
	{ 7014-003	Lockwasher, 3/8"	4
	{ 7014-018	Washer, 3/8"	4
8	45065-003-53	Sprocket, Motor	1
9	50005-020	Chain, #40	4.6'
10	50005-020	Chain, #40	3'
11	50005-020-03	Link, Chain #40	2
12	7051-001	Fitting, Grease 1/8"	1
13	1383A40D	Sprocket, Crown - 40T40	1
14	7014-020	Washer, 1/2"	20
15	7383-072	Capscrew, 1/2" NC x 2"	4
16	45890-102-28	Locknut, 1/2" NC	4
17	9704-575-01	Guard, Power Crown	1
18	{ 7072-052	Carriage Bolt, 3/8" NC x 1"	3
	{ 7014-003	Lockwasher, 3/8"	3
	{ 7012-025	Hex Nut, 3/8" NC	3
	9704-661-52	Valve Assembly, Power Crown - Complete	
19	45252-501-13	Block, Valve	1
20	45252-007-17	Valve, Needle - with O-Ring	1
	45259-508-08	O-Ring (For above valve)	As Req
21	45252-005-51	Valve, Directional Control	1
22	7430-253	Connector, 3/4" x 3/8" - with O-Ring	4
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
23	45890-501-21	Stud, #10 x 3-1/8"	4
24	45890-100-23	StudNut, #10	4
25	45191-509-28	Caplug (Not Shown)	4



### Hydraulic Vibrators - Front Screenshot

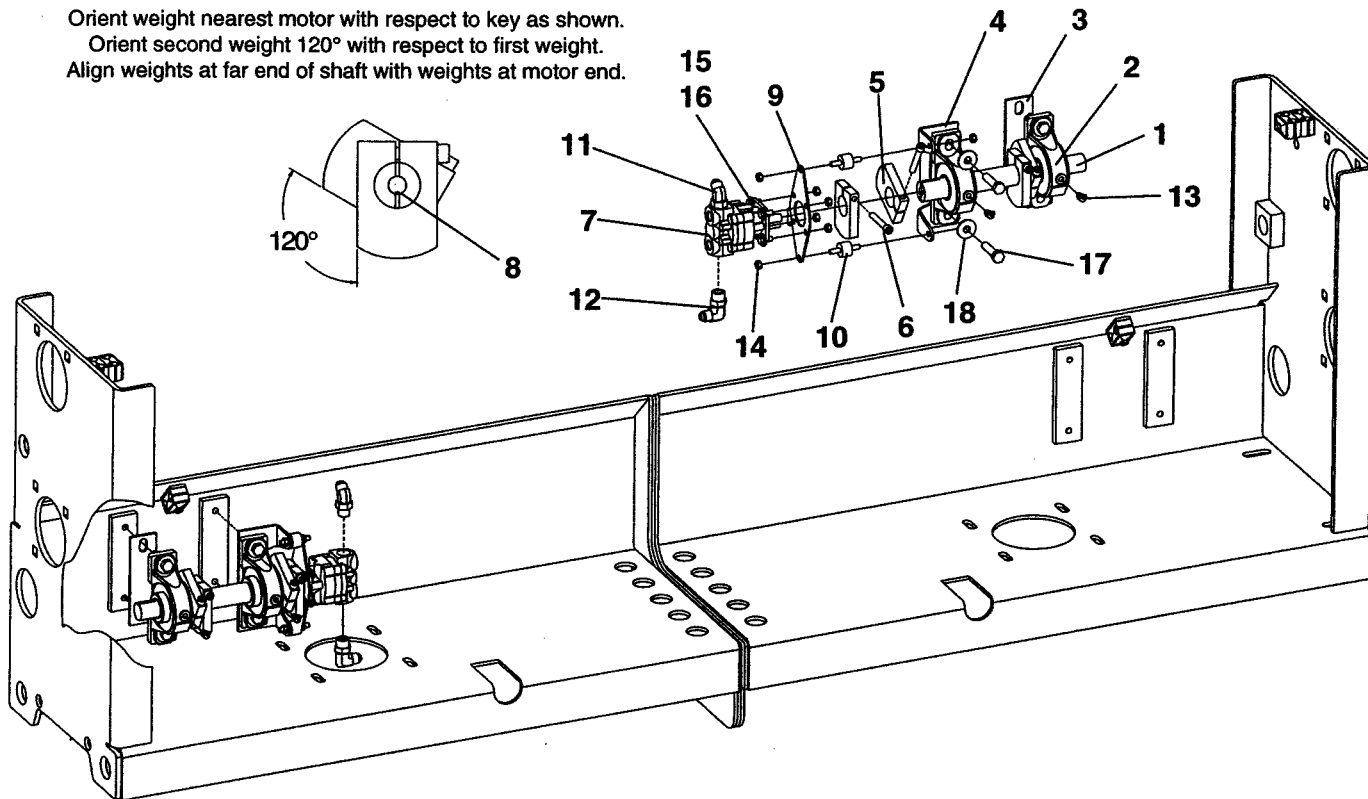


Ref. No.	Part Number	Description	Quantity
1	9704-576-16	Shaft, Vibrator	2
2	FO107PGA	Pillow Block Bearing, 1-7/16" - See Form 1003	4
3	9704-557-15	Shim, Plate	2
4	9704-557-17	Plate, Tube Assembly	2
5	9704-557-11	Weight, Vibrator	8
6	7025-018	Capscrew, 3/8" x 2-1/2" Sockethead	8
7	45080-006-25	Hydraulic Motor	2
	Consult Factory	Seal Kit (for above motor)	2
8	40831-001	Key, 1/8" x 1/2"	2
9	9704-557-14	Mount, Motor	2
10	45395-001-22	Mount, Rubber	4
11	45378-001-07	Universal Joint, 1-1/4"	1
12	45378-001-08	Universal Joint, with Slip Sleeve	1
13	40832-006-25	Key, 7/8" x 6-1/4"	1
14	40800-001-01	Key, 1/4" Square	2
15	7430-315	Elbow, 45° 7/8" x 1/2"	2
16	7430-279	Elbow, 90° 5/8" x 1/2"	2
17	7430-405	Elbow, 90° 1/2" Swivel	2
18	7430-333	Connector	4
19	7430-016	Connector, 1/8" x 1/4"	4
20	7650-018-33	Hose Assembly, Bearing Grease	2
21	7650-016-33-01	Hose Assembly, Bearing Grease	2
22	7051-001	Grease Fitting, 1/8" Straight	4



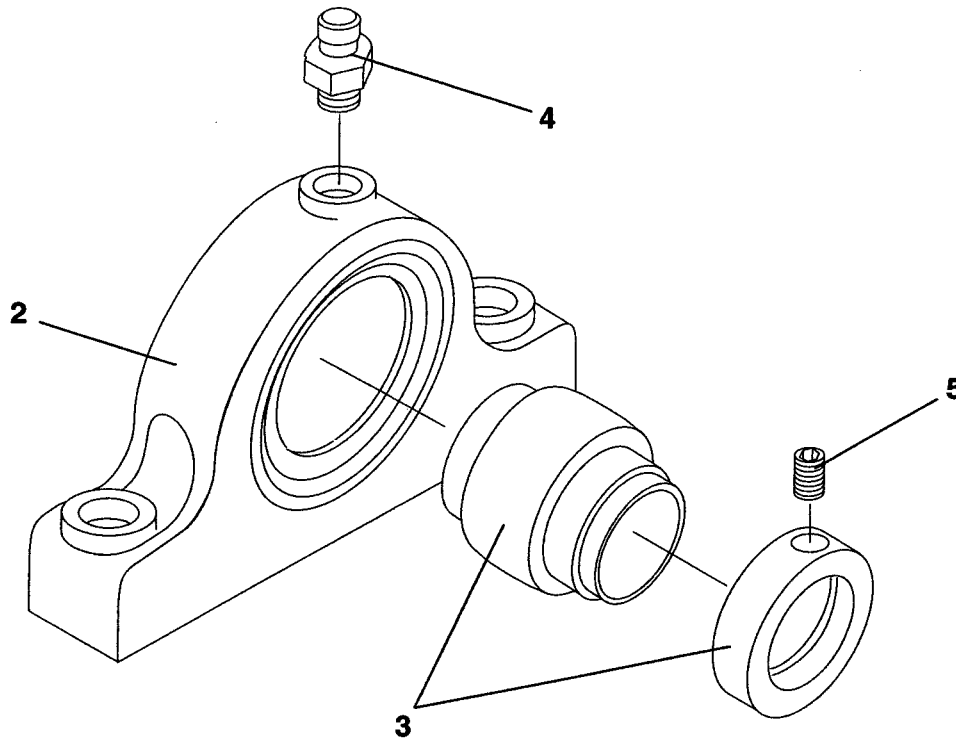
## Hydraulic Vibrators - Rear Extending Screed

Orient weight nearest motor with respect to key as shown.  
 Orient second weight 120° with respect to first weight.  
 Align weights at far end of shaft with weights at motor end.



Ref. No.	Part Number	Description	Quantity
1	9704-576-16	Shaft, Vibrator	2
2	FO107PGA	Pillow Block Bearing, 1-7/16" - See Form 1003	4
3	9704-557-15	Shim, Plate	2
4	9704-557-17	Plate, Tube Assembly	2
5	9704-557-11	Weight, Vibrator	8
6	7025-018	CapscREW, 3/8" x 2-1/2" Sockethead	8
7	45080-006-25	Hydraulic Motor	2
	Consult Factory	Seal Kit (for above motor)	2
8	40831-001	Key, 1/8" x 1/2"	2
9	9704-557-14	Mount, Motor	2
10	45395-001-22	Mount, Rubber	4
11	7430-315	Elbow, 45° 7/8" x 1/2"	2
12	7430-279	Elbow, 90° 5/8" x 1/2"	2
13	7051-003	Grease Fitting, 1/8"	4
14	7012-024	Hex Nut, 5/16"	16
15	7014-017	Washer, 5/16"	8
16	7383-020	CapscREW, 5/16" x 3/4"	8
17	7383-072	CapscREW, 1/2" x 2"	8
18	7014-020	Washer, 1/2"	8

### Anti-Friction Bearing Pillow Block Type



Ref. No.	Part Number	Description	Quantity
	<b>F0100PGA</b>	<b>Pillow Block Bearing, 1" Bore - Complete</b>	
2	F0100PG	Housing, Bearing	1
3	7041-004	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-046	Setscrew, 1/4" x 1/4" Socket Head	1
	<b>F0103PGA</b>	<b>Pillow Block Bearing, 1-3/16" Bore - Complete</b>	
2	F0103PG	Housing, Bearing	1
3	7041-007	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-046	Setscrew, 1/4" x 1/4" Socket Head	1
	<b>F0106PGA</b>	<b>Pillow Block Bearing, 1-3/8" Bore - Complete</b>	
2	F0107PG	Housing, Bearing	1
3	7041-010	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	<b>F0107PGA</b>	<b>Pillow Block Bearing, 1-7/16" Bore - Complete</b>	
2	F0107PG	Housing, Bearing	1
3	7041-011	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1

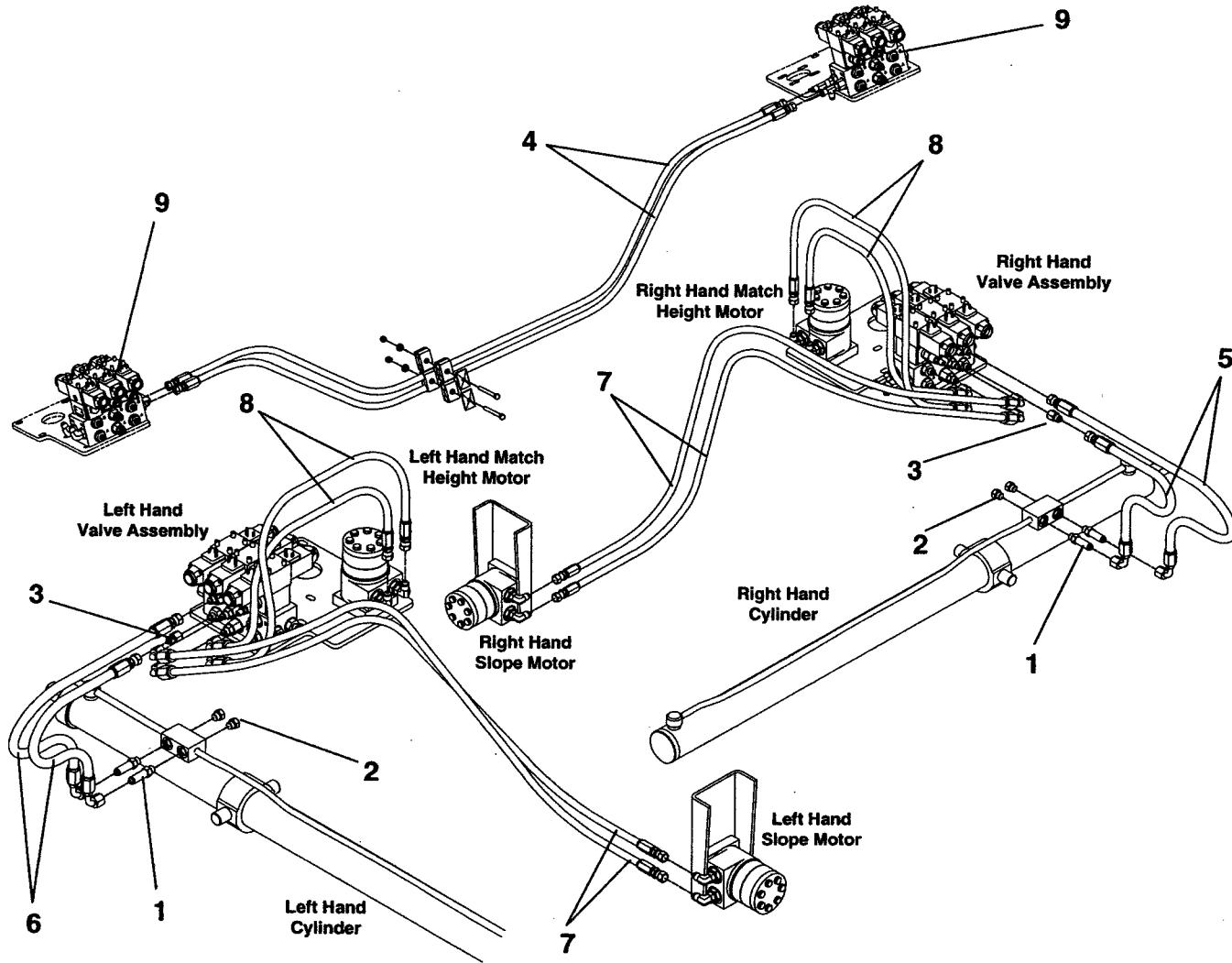


## Anti-Friction Bearing Pillow Block Type

Ref. No.	Part Number	Description	Quantity
	F0110PGA	Pillow Block Bearing, 1-5/8" Bore - Complete	
2	F0111PG	Housing, Bearing	1
3	7041-014	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0111PGA	Pillow Block Bearing, 1-11/16" Bore - Complete	
2	F0111PG	Housing, Bearing	1
3	7041-015	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0112PGA	Pillow Block Bearing, 1-3/4" Bore - Complete	
2	F0111PG	Housing, Bearing	1
3	7041-016	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0115PGA	Pillow Block Bearing, 1-15/16" Bore - Complete	
2	F0115PG	Housing, Bearing	1
3	7041-019	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-074	Setscrew, 3/8" x 3/8" Socket Head	1
	F0203PGA	Pillow Block Bearing, 2-3/16" Bore - Complete	
2	F0203PG	Housing, Bearing	1
3	7041-023	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-087	Setscrew, 7/16" x 7/16" Socket Head	1
	F0207PGA	Pillow Block Bearing, 2-7/16" Bore - Complete	
2	F0207PG	Housing, Bearing	1
3	7041-024	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-087	Setscrew, 7/16" x 7/16" Socket Head	1
	F0215PGA	Pillow Block Bearing, 2-15/16" Bore - Complete	
2	F0215PG	Housing, Bearing	1
3	7041-025	Bearing & Collar	1
4	Variable	Grease Fitting	1
5	7131-100	Setscrew, 1/2" x 1/2" Socket Head	1



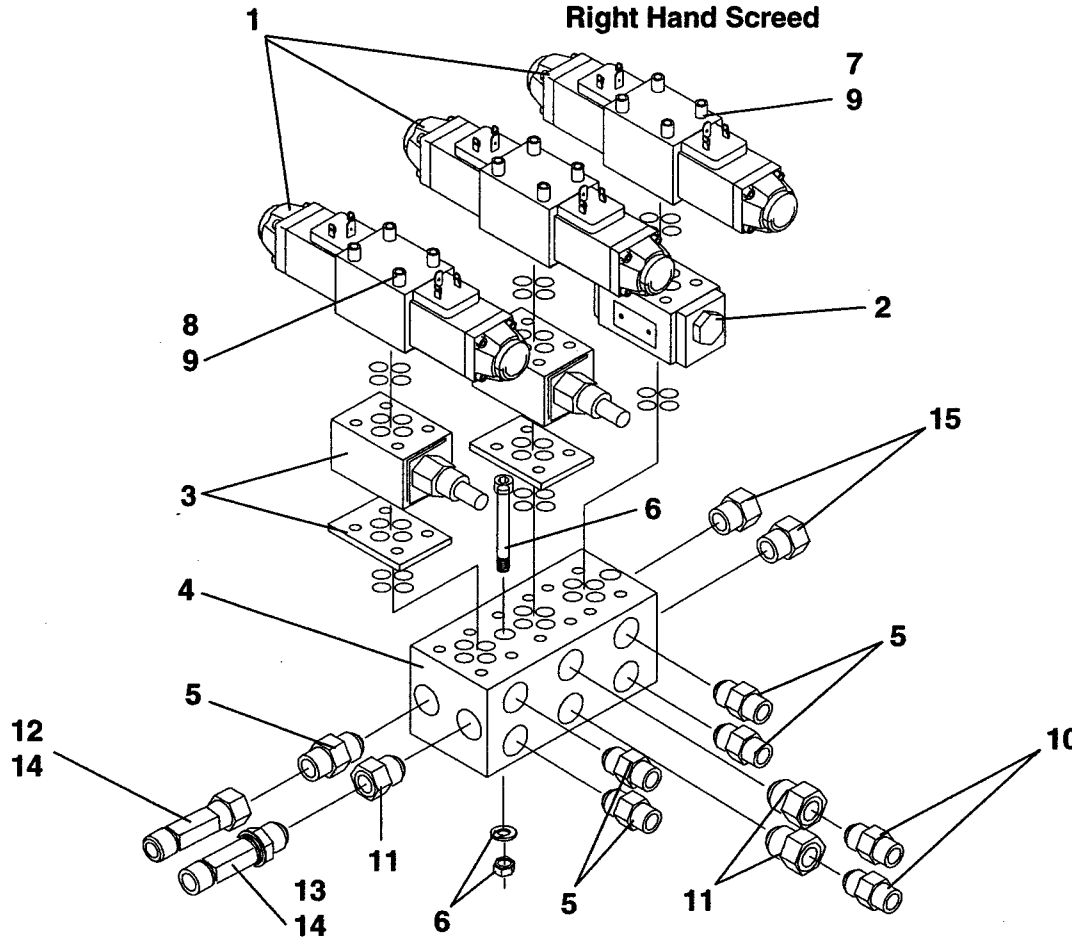
Power Function Hydraulics



Ref. No.	Part Number	Description	Quantity
1	45720-776-03	Adapter, 3/8"	4
2	7430-381	Plug, 3/8"	4
3	45259-012-03	Fitting, 5/64" Orifice	2
4	7651-085-33	Hose Assembly, Valve to Valve Crossover	2
5	7651-024-35	Hose Assembly, Right Hand Extend	2
6	7651-018-35	Hose Assembly, Left Hand Extend	2
7	7650-050-35-01	Hose Assembly, Right & Left Hand Slope Motors	4
8	7650-024-35-01	Hose Assembly, Right & Left Hand Match Height Motors	4
9	Reference	See Control Valves & Hydraulic Fittings - This Section	



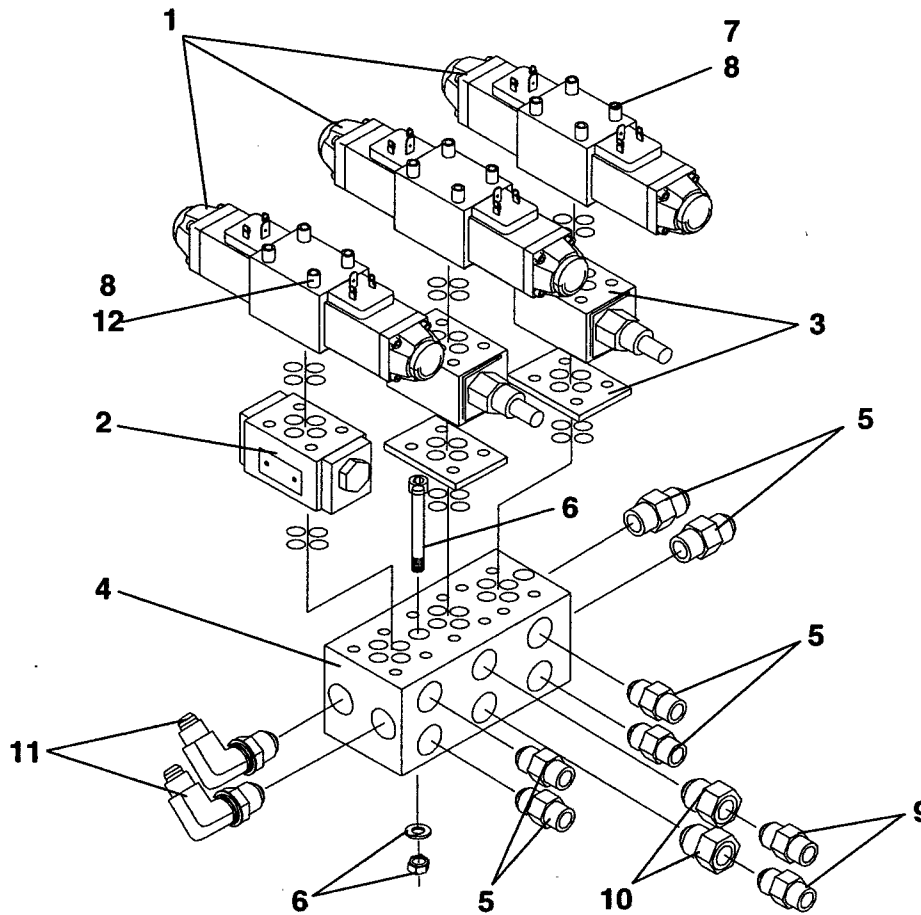
**Valve Assembly  
Right Hand Screen**



Ref. No.	Part Number	Description	Quantity
	9704-661-54	Valve Assembly - Complete	
1	45252-005-51	Valve, Solenoid	3
2	45252-014-10	Valve, Holding	1
3	45252-007-17	Valve, Needle - Includes Plates & O-Rings	2
4	45252-501-14	Block, Valve	1
5	7430-253	Connector, 3/4" x 3/8" - with O-Ring	5
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
6	7025-088	Capscrew, 5/16" NC x 3" - Sockethead	2
	7014-002	Lockwasher, 5/16"	2
	7012-024	Hex Nut, 5/16"	2
7	45890-501-23	Stud, #10 x 2-7/8"	4
8	45890-501-21	Stud, #10 x 3-1/8"	8
9	45890-100-23	Studnut, #10	12
10	7430-252	Connector, 9/16" x 3/8" - with O-Ring	2
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
11	45720-775-55	Reducer, 3/4" x 9/16"	3
12	7430-344	Tee, 3/8" Swivel Nut - Male Branch	1
13	7430-291	Tee, 3/8" Run - with O-Ring	1
	45259-508-12	O-Ring, 7/16" (for above fitting)	As Req
14	7430-228	Plug, 3/8"	2
15	7430-382	Plug, 3/4" - with O-Ring	2
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req



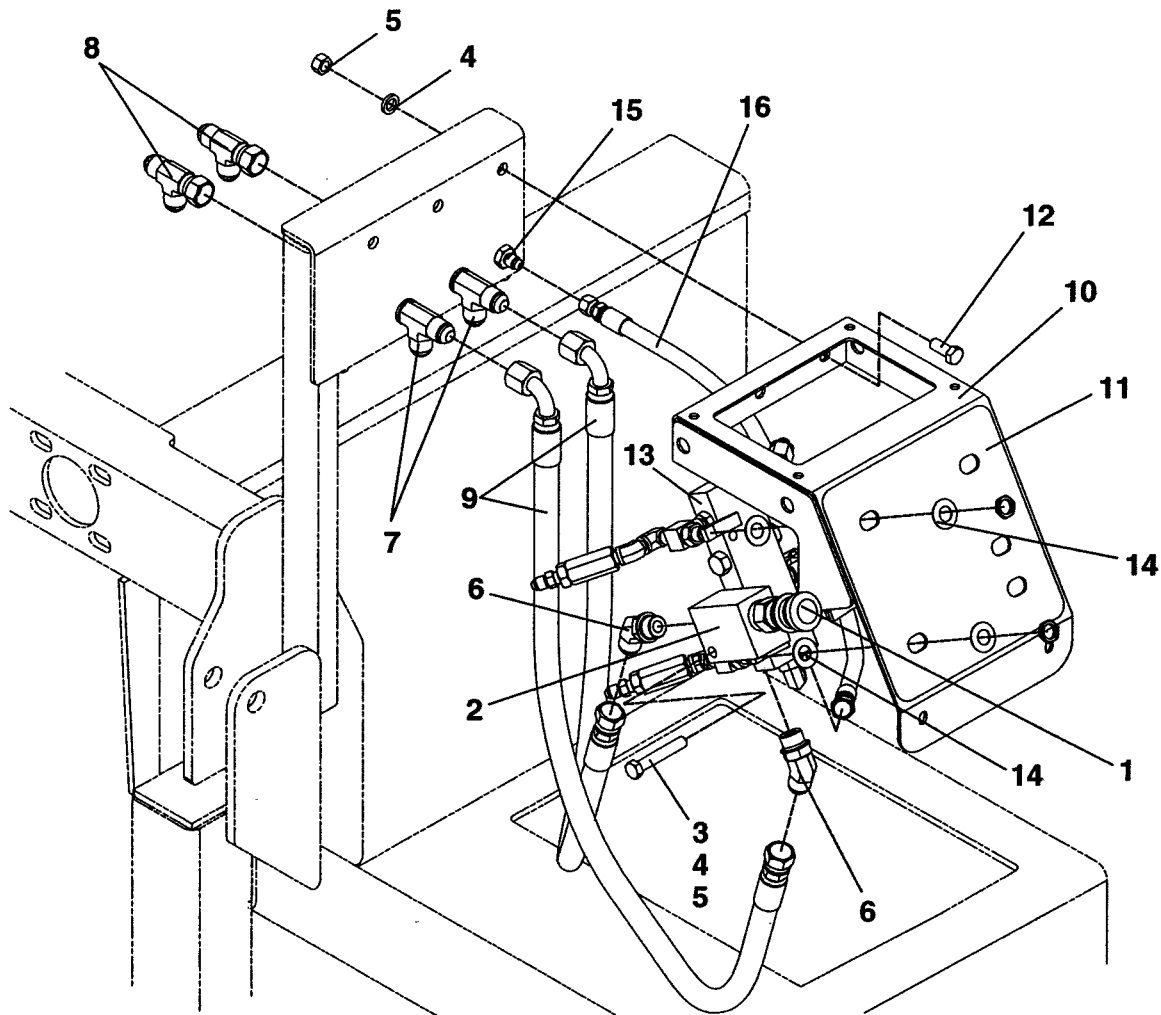
**Valve Assembly  
Left Hand Scribed**



Ref. No.	Part Number	Description	Quantity
	9704-661-53	Valve Assembly - Complete	
1	45252-005-51	Valve, Solenoid	3
2	45252-014-10	Valve, Holding	1
3	45252-007-17	Valve, Needle - Includes Plates & O-Rings	2
4	45252-501-14	Block, Valve	1
5	7430-253	Connector, 3/4" x 3/8" - with O-Ring	6
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
6	7025-088	Capscrew, 5/16" NC x 3" - Sockethead	2
	7014-002	Lockwasher, 5/16"	2
	7012-024	Hex Nut, 5/16" NC	2
7	45890-501-21	Stud, #10 x 3-1/8"	8
8	45890-100-23	Studnut, #10	12
9	7430-252	Connector, 9/16" x 3/8" - with O-Ring	2
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
10	45720-775-55	Reducer, 3/4" x 9/16"	2
11	7430-276	Elbow, 90° 3/4" x 3/8" - with O-Ring	2
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req
12	45890-501-23	Stud, #10 x 2-7/8"	4



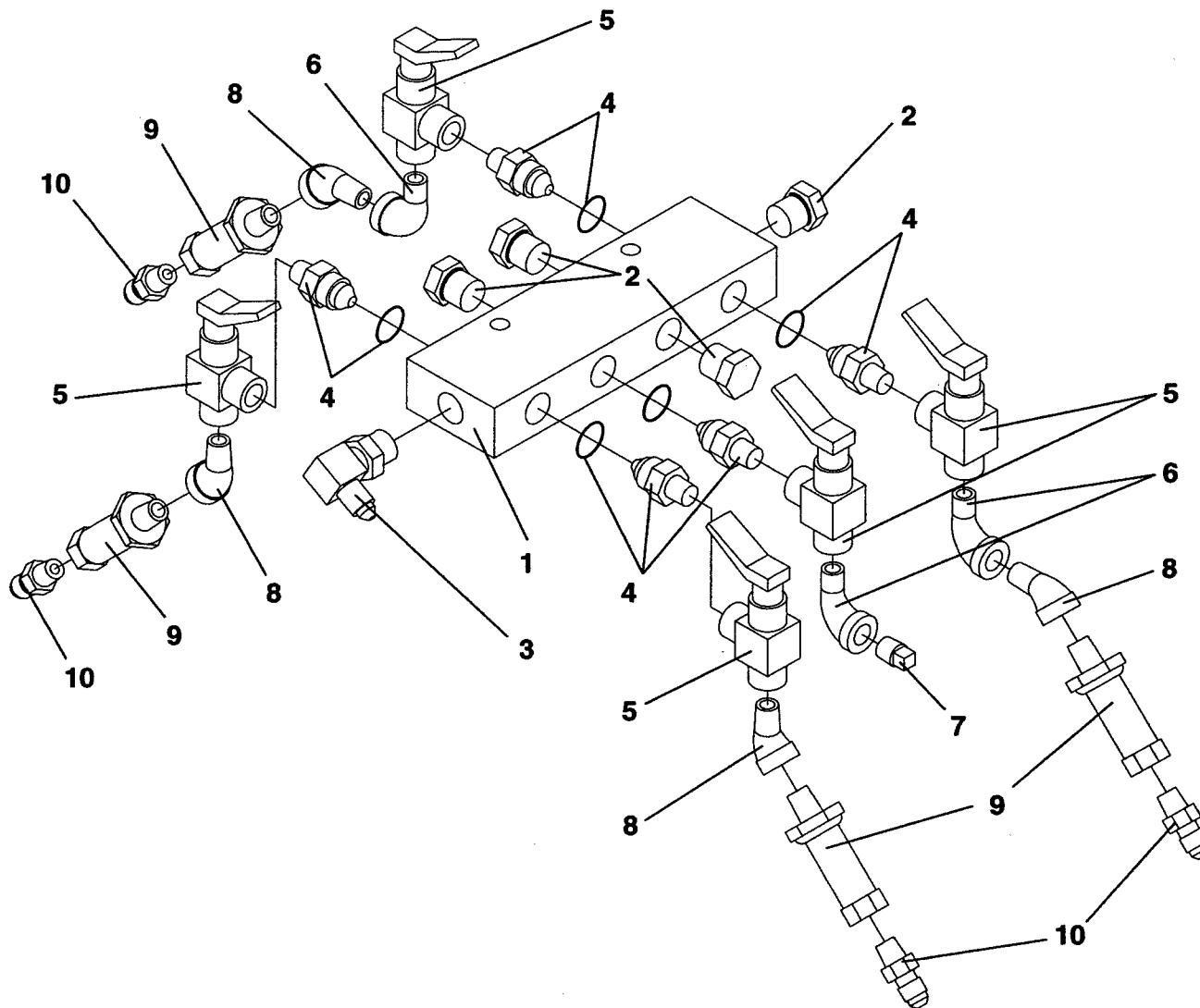
## Vibrator Functions & Fuel Supply



Ref. No.	Part Number	Description	Quantity
1	45252-007-13	Valve, Orifice	1
2	45252-004-60	Body, Line Mounted	1
3	7383-043	Capscrew, 3/8" x 2-1/4"	1
4	7014-003	Lockwasher, 3/8"	4
5	7012-025	Hex Nut, 3/8"	4
6	7430-314	Elbow, 1/2" x 3/4"	2
7	7430-437	Tee, 1/2" Bulkhead	2
8	7430-345	Tee, 1/2" Swivel Nut	2
9	7652-018-35	Hose Assembly	2
10	9704-562-83	Mount, Screed Control	1
11	4418-589	Emblem, Fuel Panel	1
12	7383-037	Capscrew, 3/8" x 7/8"	3
13	9704-564-27	Manifold, Fuel Supply - See Form 18505, This Section	1
14	45890-225-45	Washer, 1/2" Compression	10
15	7430-364	Union, 1/4" Bulkhead	1
16	7650-014-33-01	Hose Assembly, Fuel Supply	1

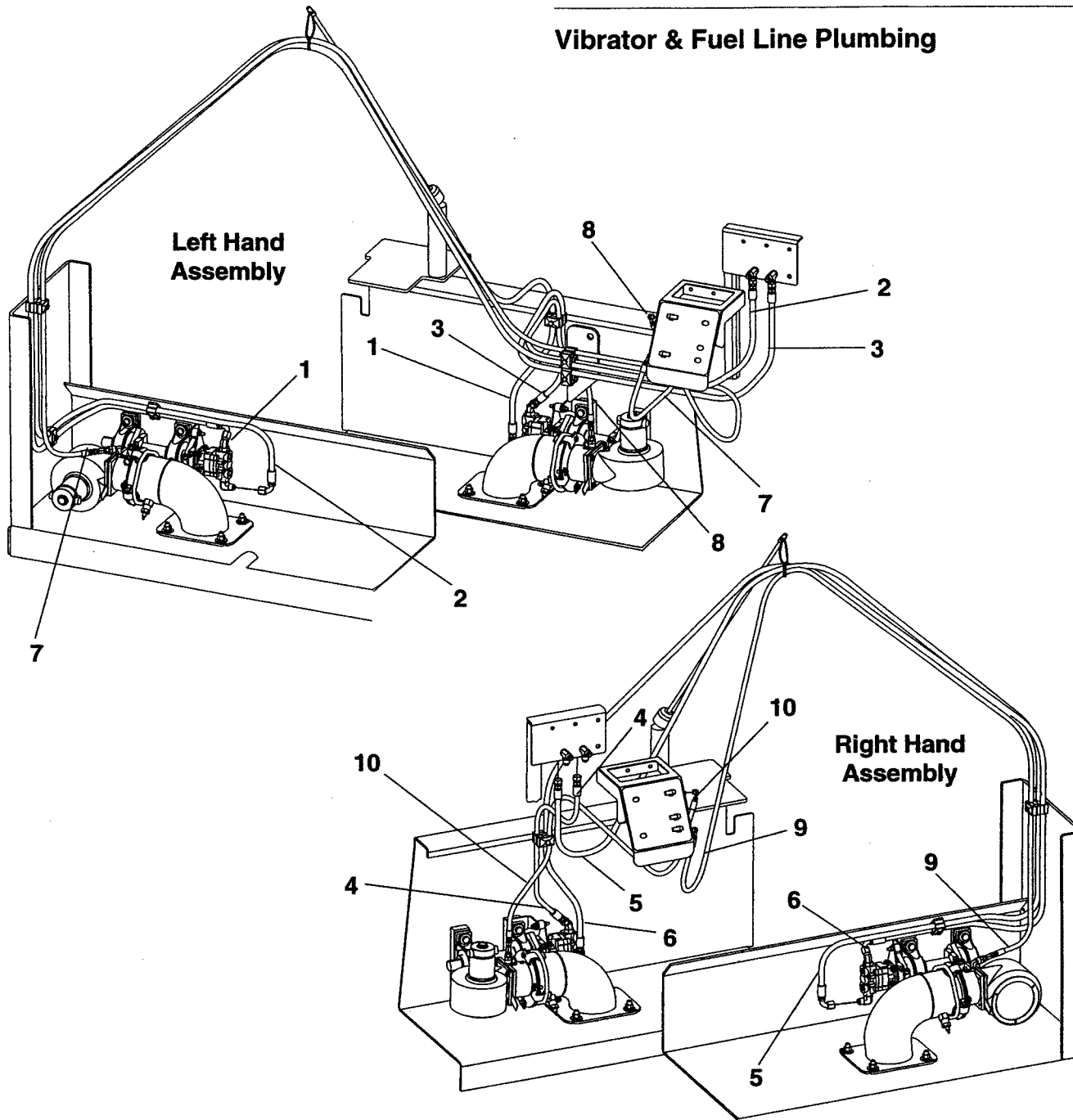


**Fuel Supply Manifold**



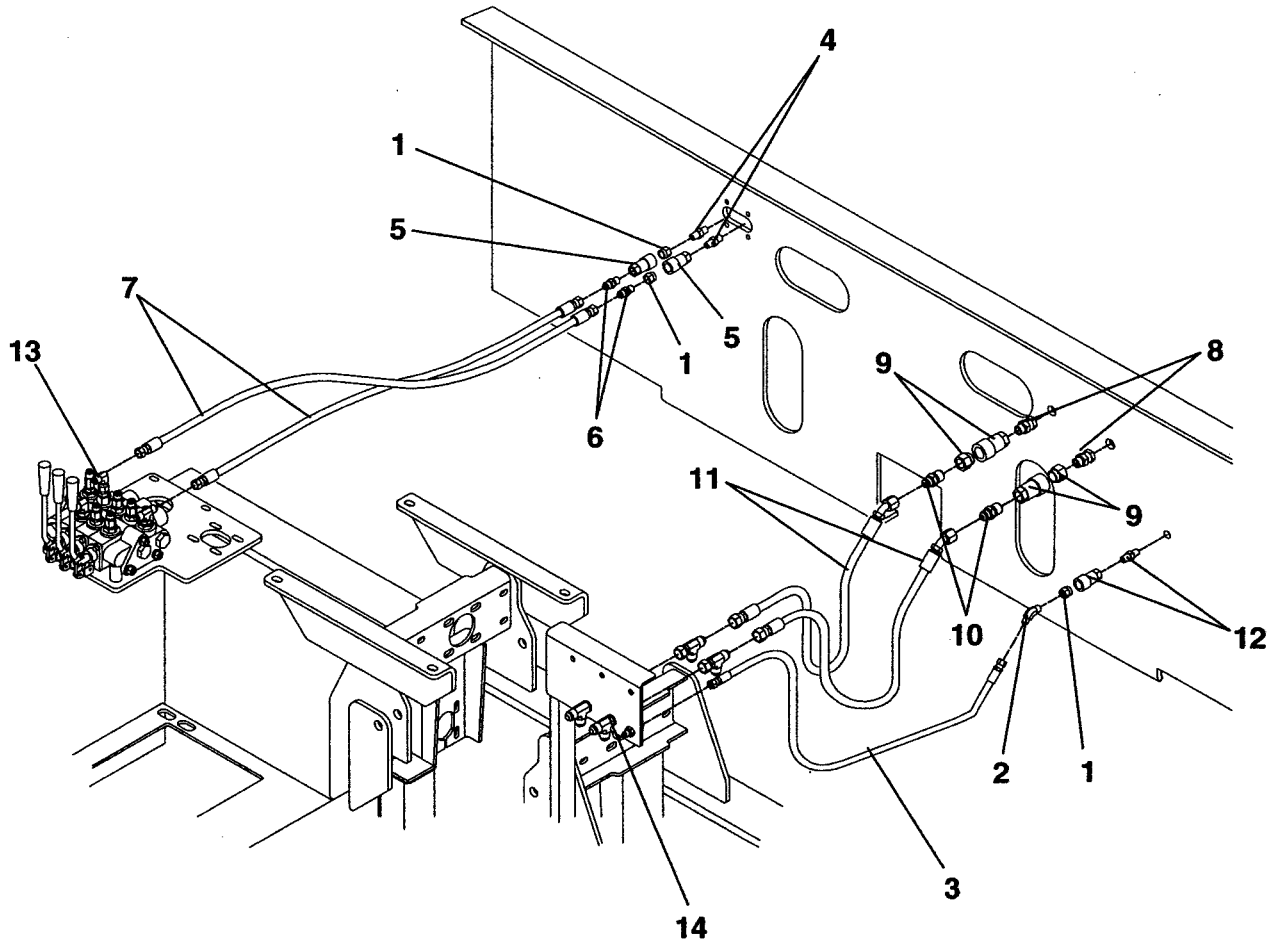
Ref. No.	Part Number	Description	Quantity
	9704-564-27	Manifold Assembly - Complete	
1	9704-653-72	Manifold	1
2	7430-381	Plug, with O-Ring	4
	45259-508-13	O-Ring (for above fitting)	4
3	7430-275	Elbow, with O-Ring	1
	45259-508-13	O-Ring (for above fitting)	1
4	7430-043	Connector, 3/8" x 1/8"	5
	45259-508-13	O-Ring (for above fitting)	5
5	45252-004-64	Valve, Shut-Off	5
6	45720-770-01	Elbow, 90° 1/8"	3
7	45720-770-59	Plug, 1/8"	1
8	45720-770-40	Elbow, 45° 1/8"	4
9	45175-001-40	Filter, Fuel	4
10	7430-001	Fitting, 1/8" x 1/4"	4

**Vibrator & Fuel Line Plumbing**



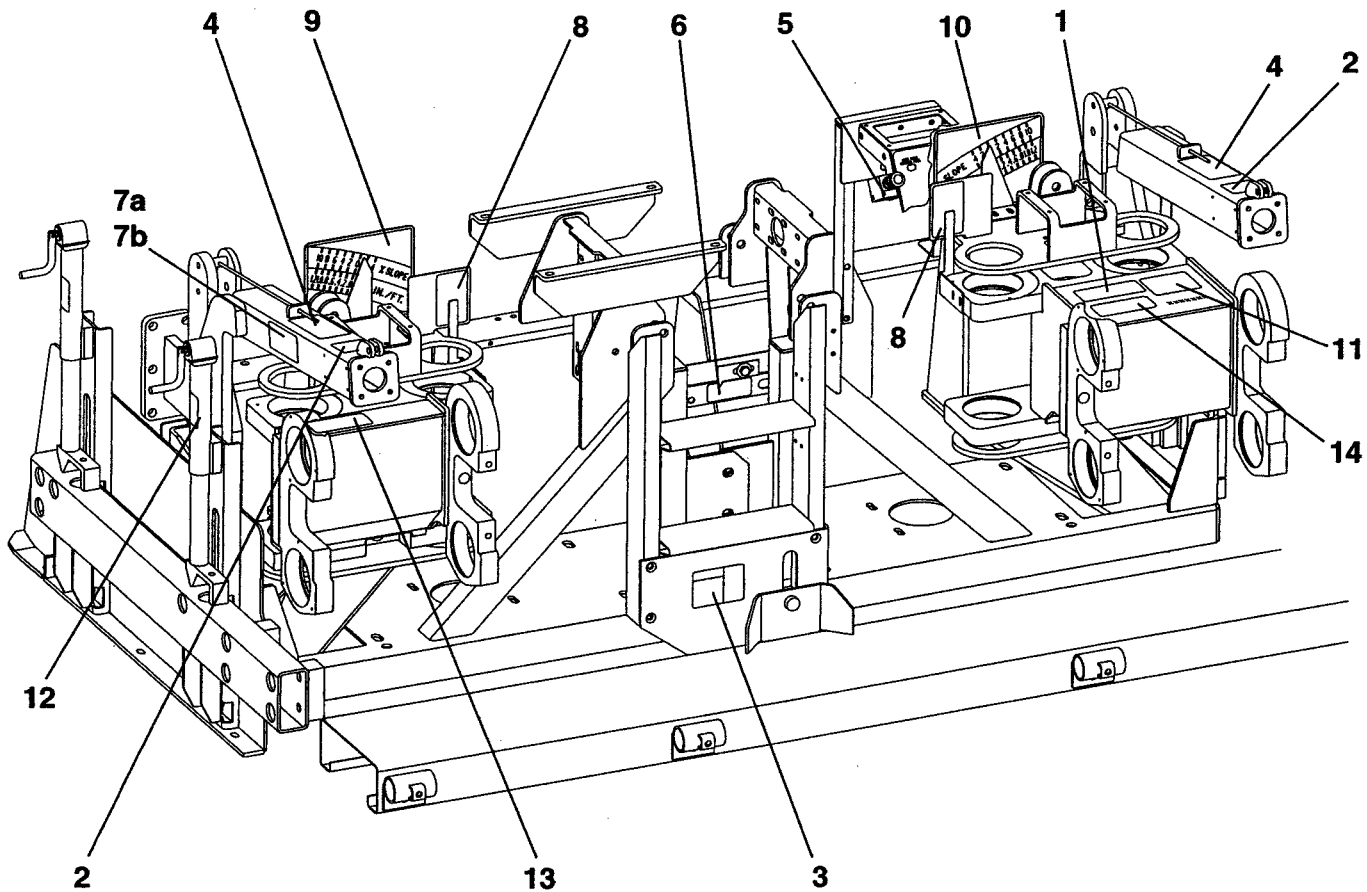
Ref. No.	Part Number	Description	Quantity
1	7651-187-35-01	Hose Assembly - Left Vibrator Crossover	1
2	7651-208-35-01	Hose Assembly - Left Vibrator Return	1
3	7651-082-33-02	Hose Assembly - Left Vibrator Pressure	1
4	7651-040-33-01	Hose Assembly - Right Vibrator Pressure	1
5	7651-163-35-01	Hose Assembly - Right Vibrator Return	1
6	7651-175-35-01	Hose Assembly - Right Vibrator Crossover	1
7	7650-178-34	Hose Assembly, Fuel Supply - Left Rear Screed	1
8	7650-083-35	Hose Assembly, Fuel Supply - Left Front Screed	1
9	7650-131-35	Hose Assembly, Fuel Supply - Right Rear Screed	1
10	7650-047-35	Hose Assembly, Fuel Supply - Right Front Screed	1

**Paver to Screed Hydraulic & Fuel Lines**



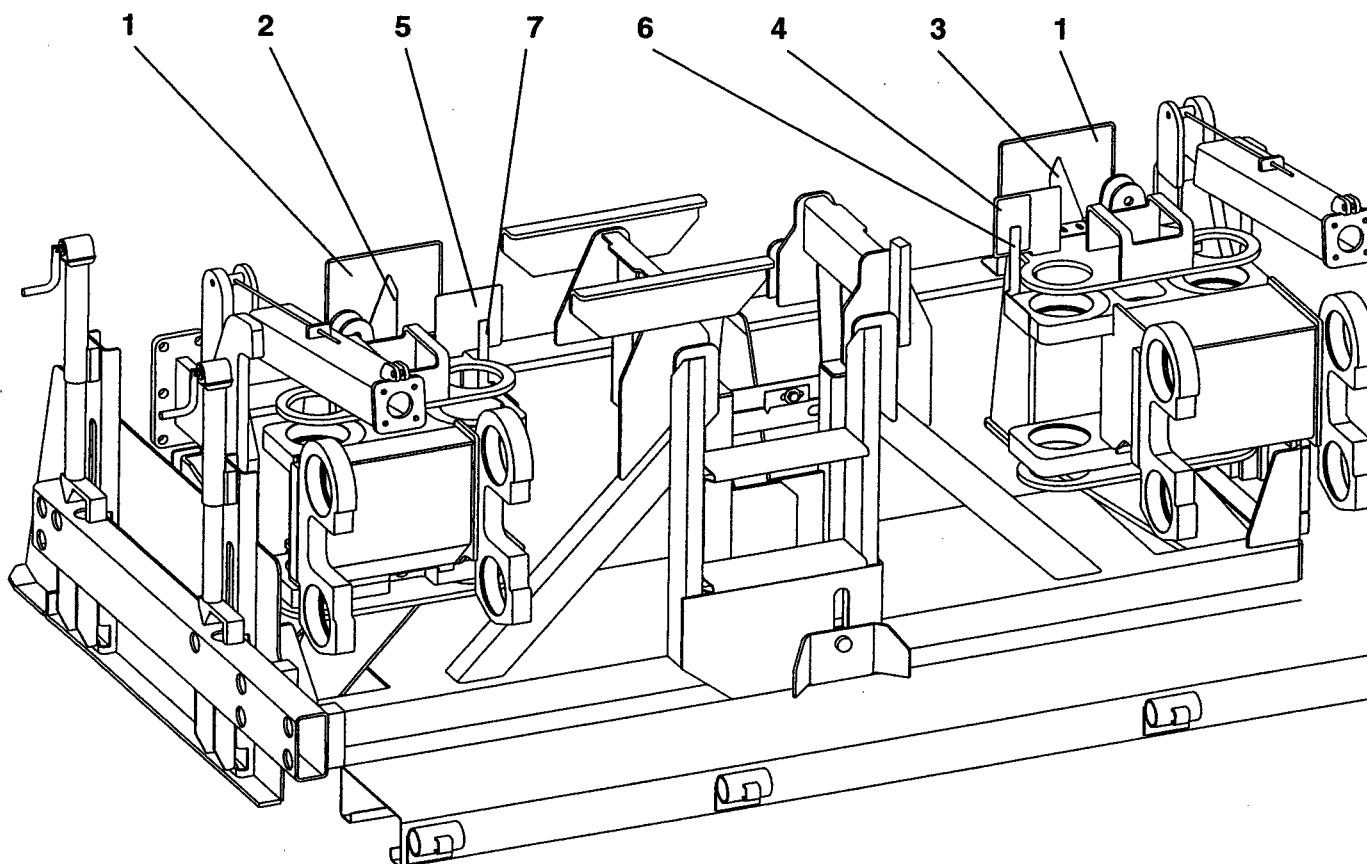
Ref. No.	Part Number	Description	Quantity
1	45191-504-14-02	Nipple, Coupling	3
2	7430-172	Elbow, 45° 1/4"	1
3	7650-054-33	Hose Assembly, Fuel Supply	1
4	45720-770-21	Nipple, Adapter	2
5	45191-504-14-01	Coupler, 1/4" QD	2
6	7430-004	Connector, 1/4" x 3/8"	2
7	7651-055-33	Hose Assembly, Auxilliary Supply	2
8	7430-413	Connector, 1/2"	2
9	45191-504-01	Coupler, 1/2"	2
10	7430-007	Connector, 1/2"	2
11	7652-054-34	Hose Assembly, Vibrator Supply	2
12	Reference	See Fuel System - Section 6	
13	Reference	See Control Valves & Hydraulic Fittings - This Section	
14	Reference	See Vibrator Functions & Fuel Supply - This Section	

**Decals & Accessories**



Ref. No.	Part Number	Description	Quantity
1	4418-278	Emblem, Engine Off	1
2	4418-503	Emblem, Material Thickness	2
3	4418-509	Emblem, Pinch Point	1
4	4418-535	Gauge, Mat Thick-Thin	2
5	4418-591	Emblem, Vibrator Speed	1
6	4418-600	Emblem, Crown	1
7a	4418-781	Emblem, Model (Stretch 16 Only)	2
7b	4418-780	Emblem, Model (Stretch 18 Only)	2
8	4418-786	Decal, Match Height Gauge	2
9	4418-787	Decal, Left Slope Gauge	1
10	4418-788	Decal, Right Slope Gauge	1
11	4418-760	Emblem, Screed I.D.	1
12	4418-823	Emblem, End Gate	4
13	4418-821	Emblem, Left Controls (Stretch 16 Only)	1
14	4418-822	Emblem, Right Controls (Stretch 16 Only)	1

### Indicators & Miscellaneous Parts

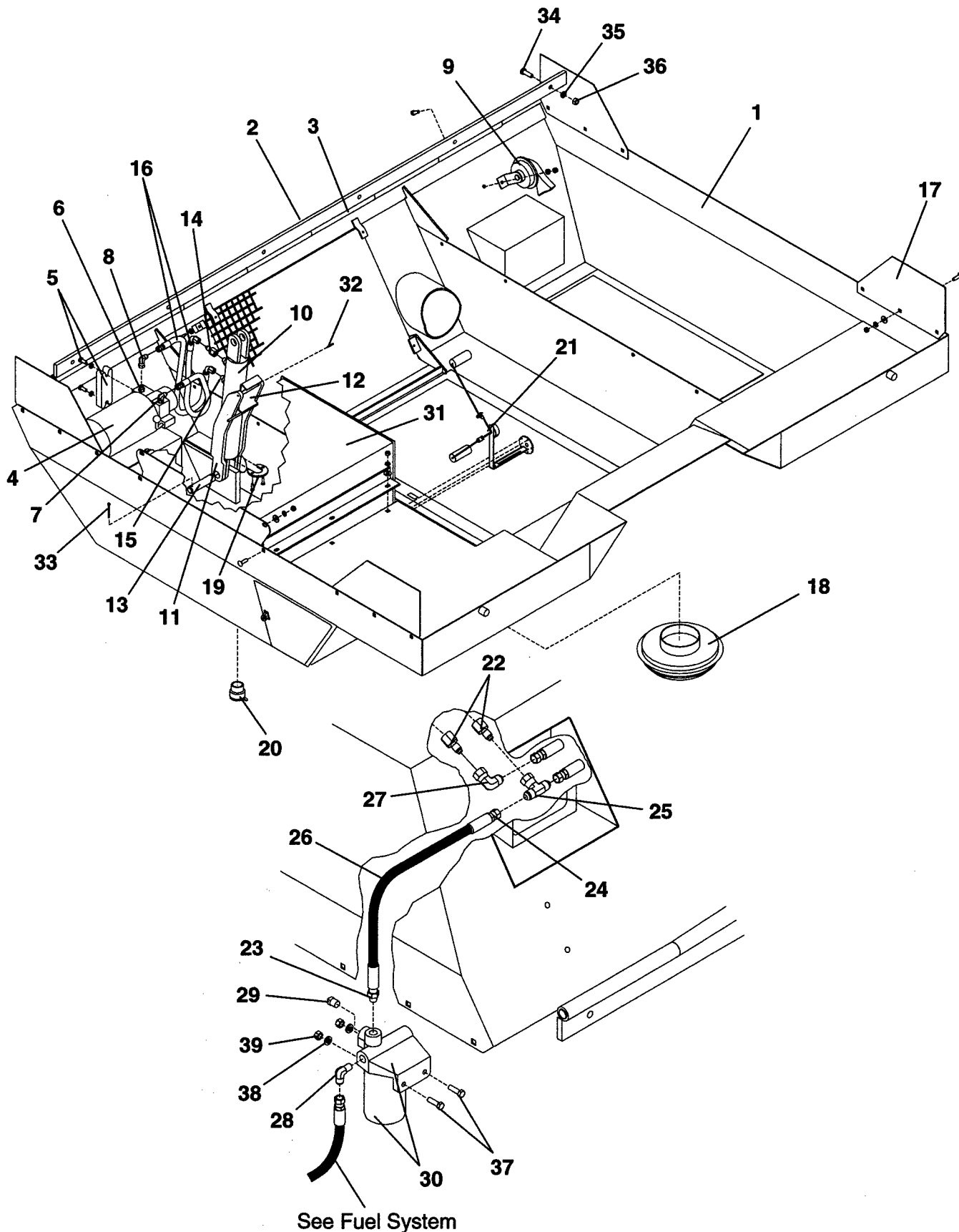


Ref. No.	Part Number	Description	Quantity
1	9704-574-18	Support, Slope Gauge	2
2	9704-574-17	Pointer, Slope Gauge - Left Hand	1
3	9704-574-16	Pointer, Slope Gauge - Right Hand	1
4	9704-574-20	Bracket, Match Height - Right Hand	1
5	9704-574-21	Bracket, Match Height - Left Hand	1
6	9704-574-22	Pointer, Match Height - Right Hand	1
7	9704-574-23	Pointer, Match Height - Left Hand	1
8	45500-036-16	Gauge, Strike Off Adjust ( <i>Not Shown</i> )	1





### Hood & Accessories



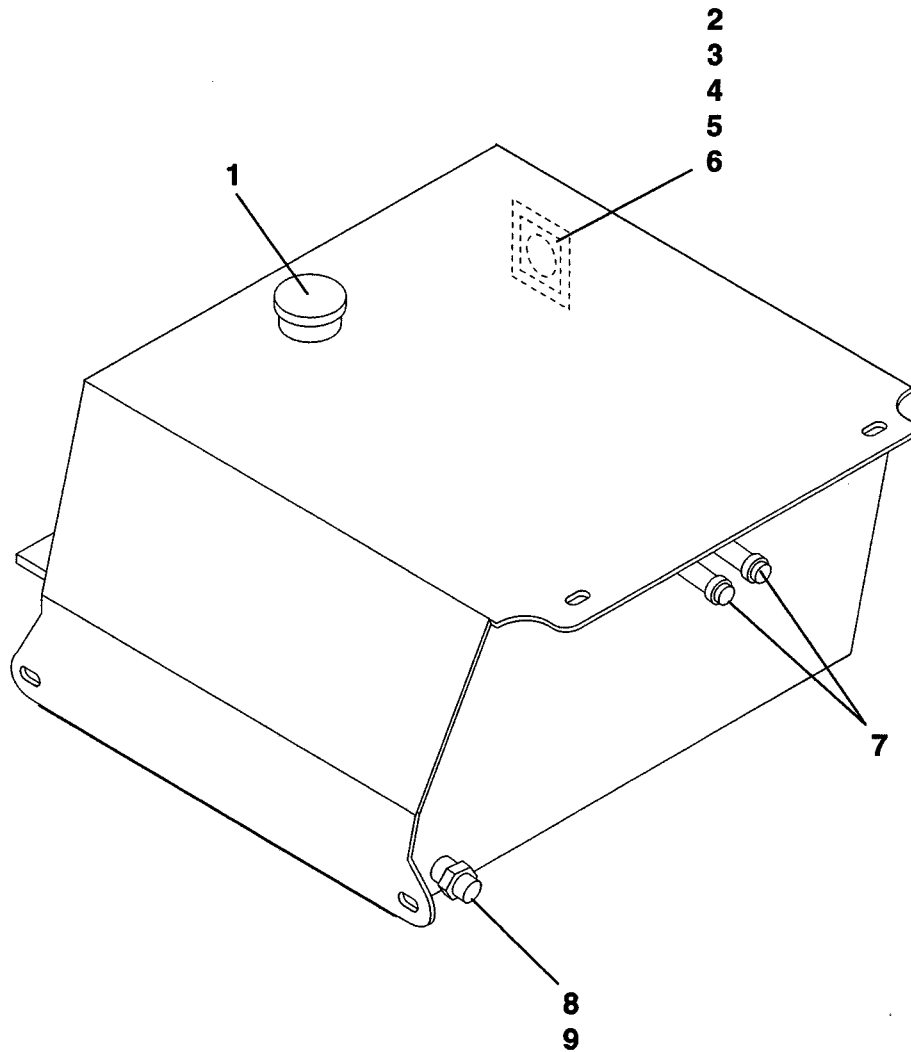
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**Hood & Accessories**

Ref. No.	Part Number	Description	Quantity
1	9704-321-09	Hood - Complete	1
	4418-070	Handle (Not Shown)	1
	9704-318-22	Door, Electrical (Not Shown)	1
2	9704-314-48	Hinge, Lower	1
3	41005-084	Hinge Rod, Front	1
4	45080-001-81	Power Unit, Hydraulic	1
	9704-410-98	Cable, Starter to Hood Raise (Not Shown)	1
	9704-410-32	Wire, Ground - Hood Raise	1
5	7383-041	Capscrew, 3/8" NCx 1-3/4"	2
	7014-003	Lockwasher, 3/8"	2
	9704-315-29	Block, Spacer	1
6	7430-416	Fitting, 3/8" x 1/4"	1
7	7430-275	Elbow, 90° 9/16" x 3/8" - with O-Ring	1
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
8	7430-383	Elbow, 90° 3/8" Swivel Nut	1
9	46010-001-12	Horn, 12 VAC	1
10	45090-007-85	Cylinder, Hydraulic	1
	45090-007-85-01	Seal Kit (For above Cylinder)	As Req
11	9704-317-97	Frame, Hood Latch	1
12	9704-312-37	Release, Hood Latch	1
13	9704-312-49	Pin, Cylinder	1
14	45259-012-03	Fitting, 5/64" Orifice	2
15	7430-252	Connector, 9/16" x 3/8" - with O-Ring	2
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
16	7651-027-35	Hose Assembly	2
17	9704-312-88	Hood Extension	4
18	Reference	<i>See Miscellaneous Paver Parts</i>	
19	9704-316-43	Trip, Cylinder Hood Latch	1
20	45215-501-05	Cap, Fuel Tank	1
21	45215-512-01	Sender, Fuel Level	1
22	7430-012	Connector, 3/8" x 3/8"	2
23	7431-004	Hose End, Fitting 3/8"	1
24	7431-008	Hose End, Fitting 3/8" - Swivel	1
25	7430-355	Tee, 3/8" Swivel Nut - Male Run	1
26	50030-002-02	Hose, 3/8"	As Req
27	7430-383	Elbow, 90° 3/8" Swivel Nut	1
28	7430-020	Elbow, 90° 3/8" x 3/8"	1
29	7024-003	Pipe Plug, 3/8"	1
30	45175-001-43-01	Element, Fuel Filter	1
	45175-001-43-02	Head, Fuel Filter	1
31	9704-315-24	Fuel Tank - <i>See Form #22375, This Section</i>	1
32	7238-087	Roll Pin, 3/16" x 1"	2
33	7011-066	Cotter Pin, 5/32" x 2"	2
34	7383-070	Capscrew, 1/2" NC x 1-1/2"	6
35	7014-005	Lockwasher, 1/2"	6
36	7012-027	Hex Nut, 1/2" NC	6
37	7383-039	Capscrew, 3/8" NC x 1-1/4"	2
38	7014-003	Lockwasher, 3/8"	2
39	7012-025	Hex Nut, 3/8" NC	2

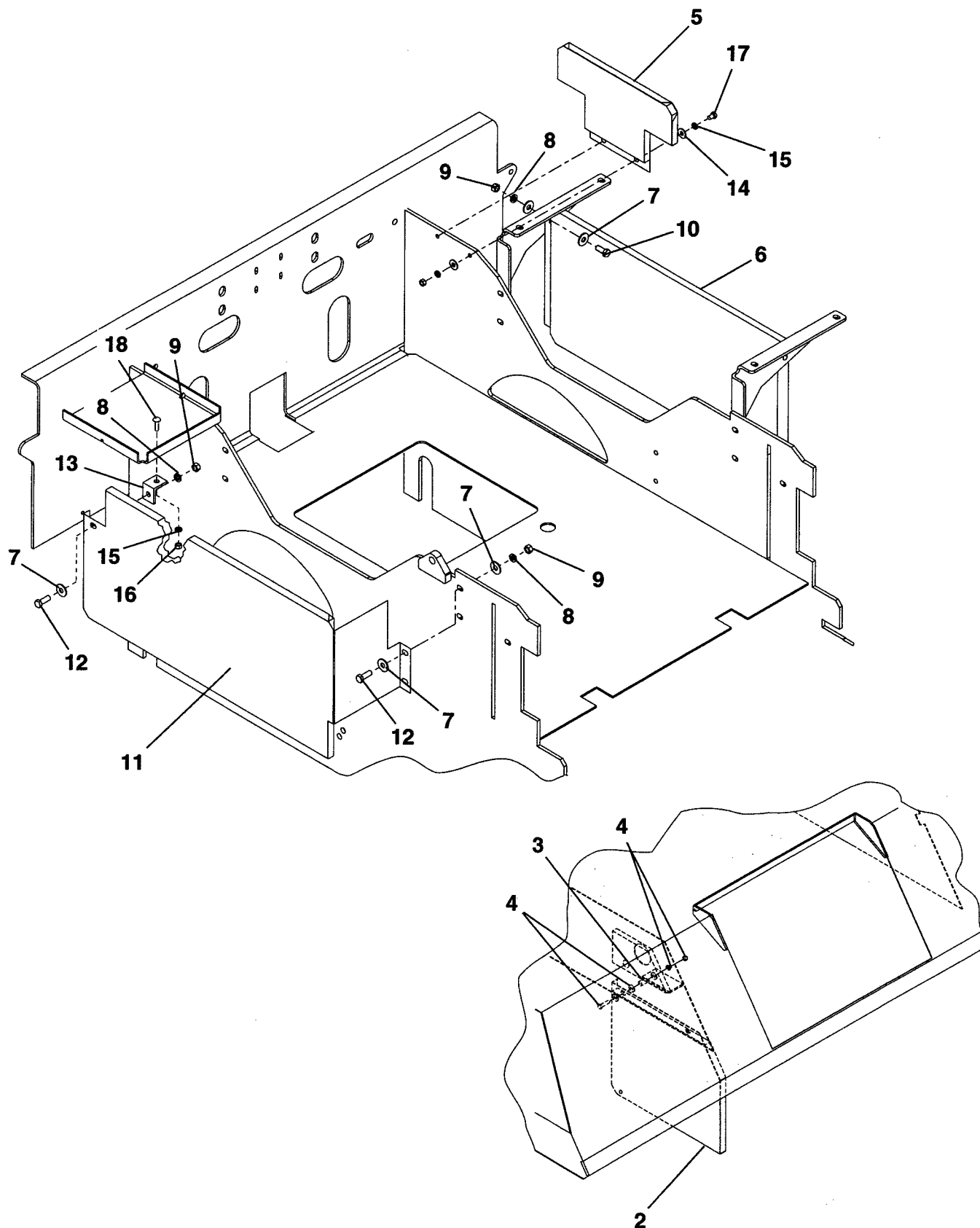


**Fuel Tank**



Ref. No.	Part Number	Description	Quantity
	9704-315-24	Fuel Tank - Complete	1
1	45215-504-02	Flange, Filler	1
2	5204-800-19	Plate, Bolting	1
3	45915-009-02	Gasket	1
4	5204-800-23	Cover	1
5	7435-073	Machine Screw, #8 x 3/8"	5
6	7439-002	Lockwasher, #8	5
7	7192-002	Cap, 3/8" Pipe	2
8	7054-005	Coupling, Half	1
9	7027-003	Plug, 3/4" - Magnetic Drain	1

### Noise Baffles





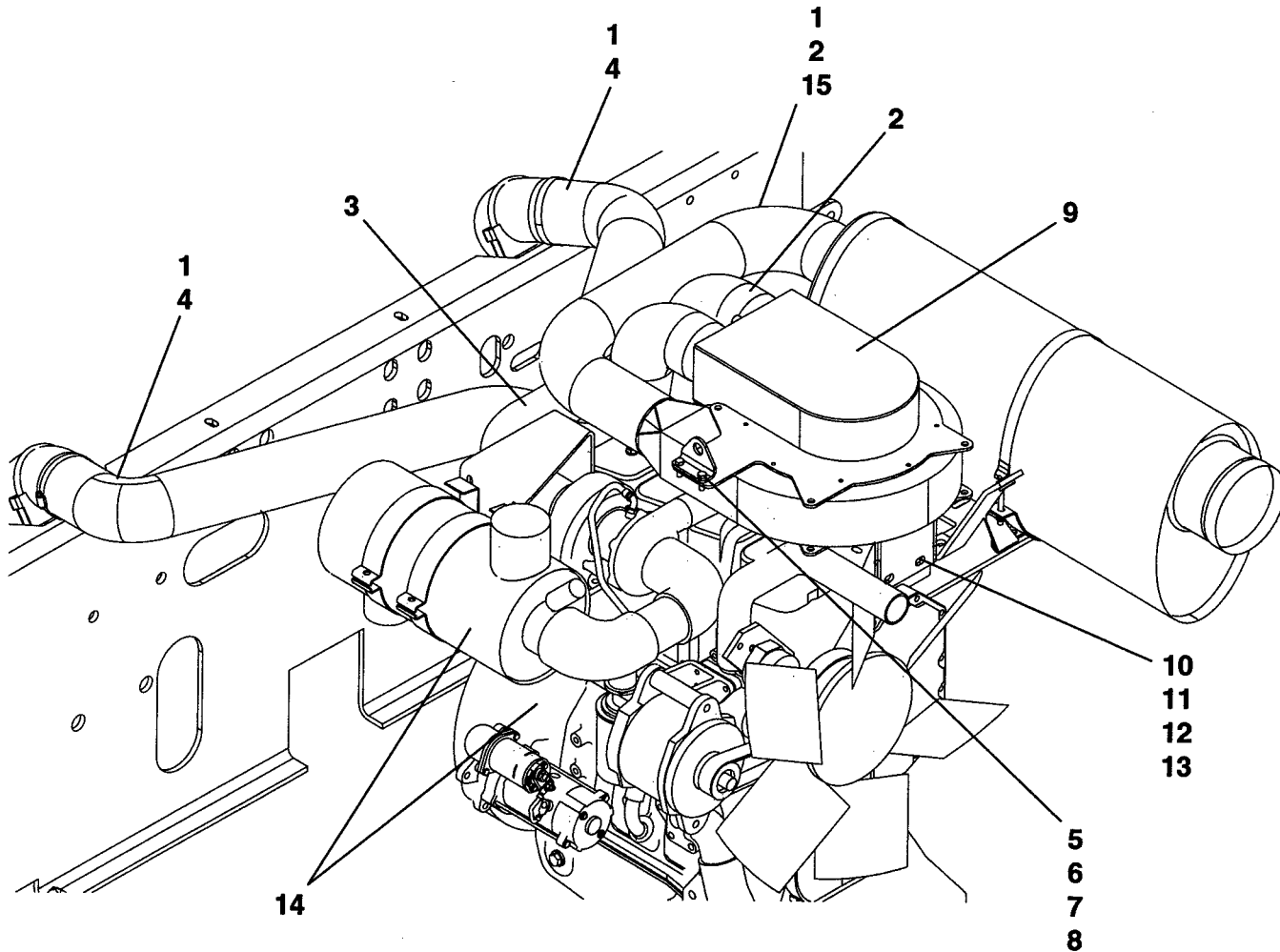
## Noise Baffles

Ref. No.	Part Number	Description	Quantity
1	9704-505-84	Kit, Acoustic Material (Not Shown)	1
2	*9704-951-96	Baffle, Right Hand Hood (Acoustic Form No. 1, found in kit)	1
3	9704-952-29	Pipe, Spacer	2
4	7014-018	Washer, 3/8"	6
	7014-003	Lockwasher, 3/8"	2
	7012-025	Hex Nut, 3/8" NC	2
	7383-042	Capscrew, 3/8" NC x 2"	2
5	*9704-951-97	Baffle, Left Hand Rear (Acoustic Form No. 2, found in kit)	1
6	*9704-952-21	Baffle, Left Hand Side (Acoustic Form No. 4, found in kit)	1
7	7014-022	Washer, 5/8"	9
8	7014-007	Lockwasher, 5/8"	5
9	7012-029	Hex Nut, 5/8" NC	5
10	7383-100	Capscrew, 5/8" NC x 1-1/2"	2
11	*9704-952-01	Baffle, Right Hand Side (Acoustic Form No. 3, found in kit)	1
12	7383-101	Capscrew, 5/8" NC x 1-3/4"	3
13	9704-952-39	Angle	1
14	7014-020	Washer, 1/2"	2
15	7014-005	Lockwasher, 1/2"	3
16	7012-027	Hex Nut, 1/2" NC	1
17	7383-066	Capscrew, 1/2" NC x 3/4"	2
18	7072-101	Carriage Bolt, 1/2" NC x 1-1/4"	1

\*NOTE: 1" thick Acoustic Forms with Urethane film facing (in Acoustic Kit 9704-505-84) attached to items marked (\*) with 3M Neoprene contact adhesive.

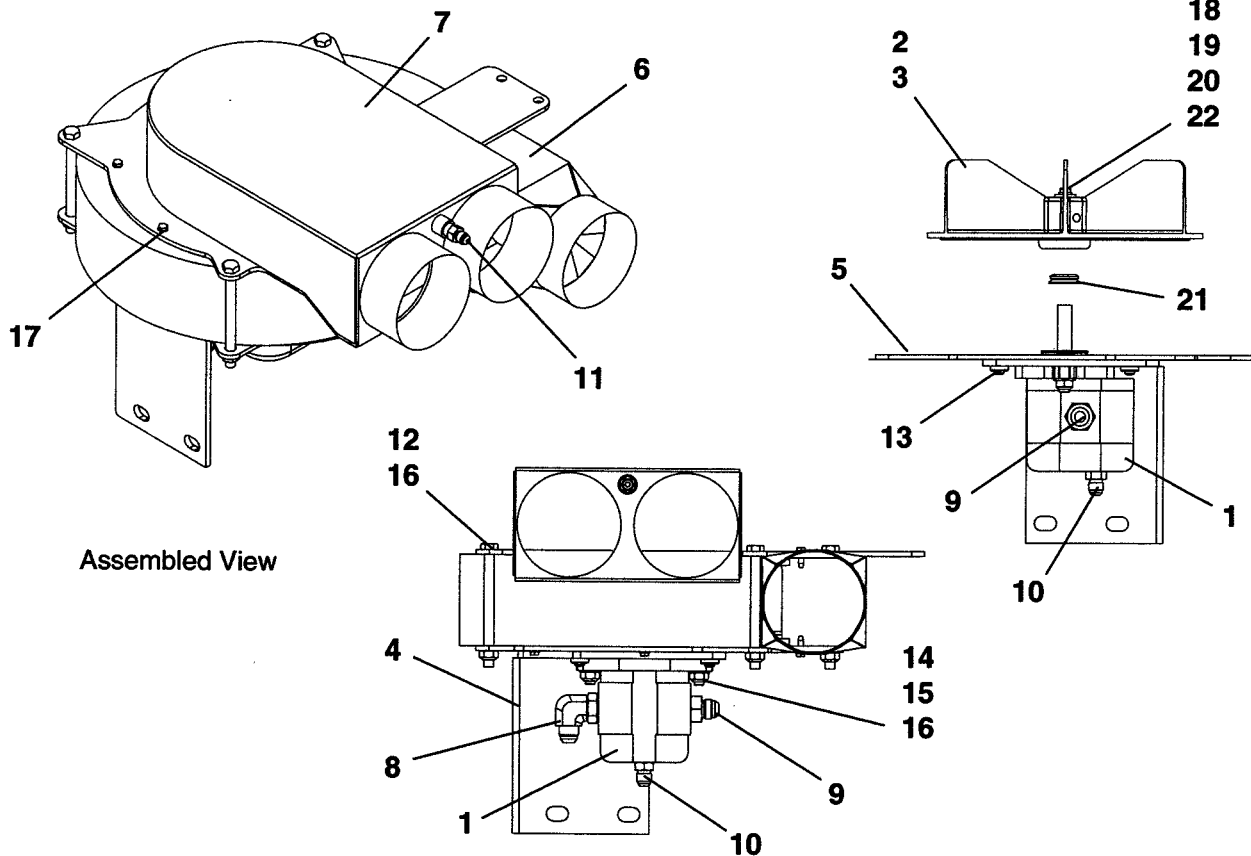


Fume Controls & Fan Parts



Ref. No.	Part Number	Description	Quantity
1	45335-003-15	Ducting, 4" Flexible	13.4
2	45191-004-29	Clamp, 4" Max Hose	4
3	45263-001-03	Insulation, 3" Wide Wrap	12.0'
4	45191-004-29	Clamp, 4" Hose	2
5	9704-319-74	Bracket, Bulkhead Fitting	1
6	7383-022	Capscrew, 5/16" NC x 1"	2
7	7014-002	Lockwasher, 5/16"	2
8	7012-024	Hex Nut, 5/16"	2
9	9704-320-97	Fan, Fume Collection - See Form #22230, This Section	1
10	7072-102	Carriage Bolt, 1/2" NC x 1-1/2"	4
11	7014-020	Washer, 1/2"	8
12	7014-005	Lockwasher, 1/2"	4
13	7012-027	Hex Nut, 1/2" NC	4
14	Reference	See Power Mounting, This Section	
15	45345-001-15	Tape, Aluminum	As Req

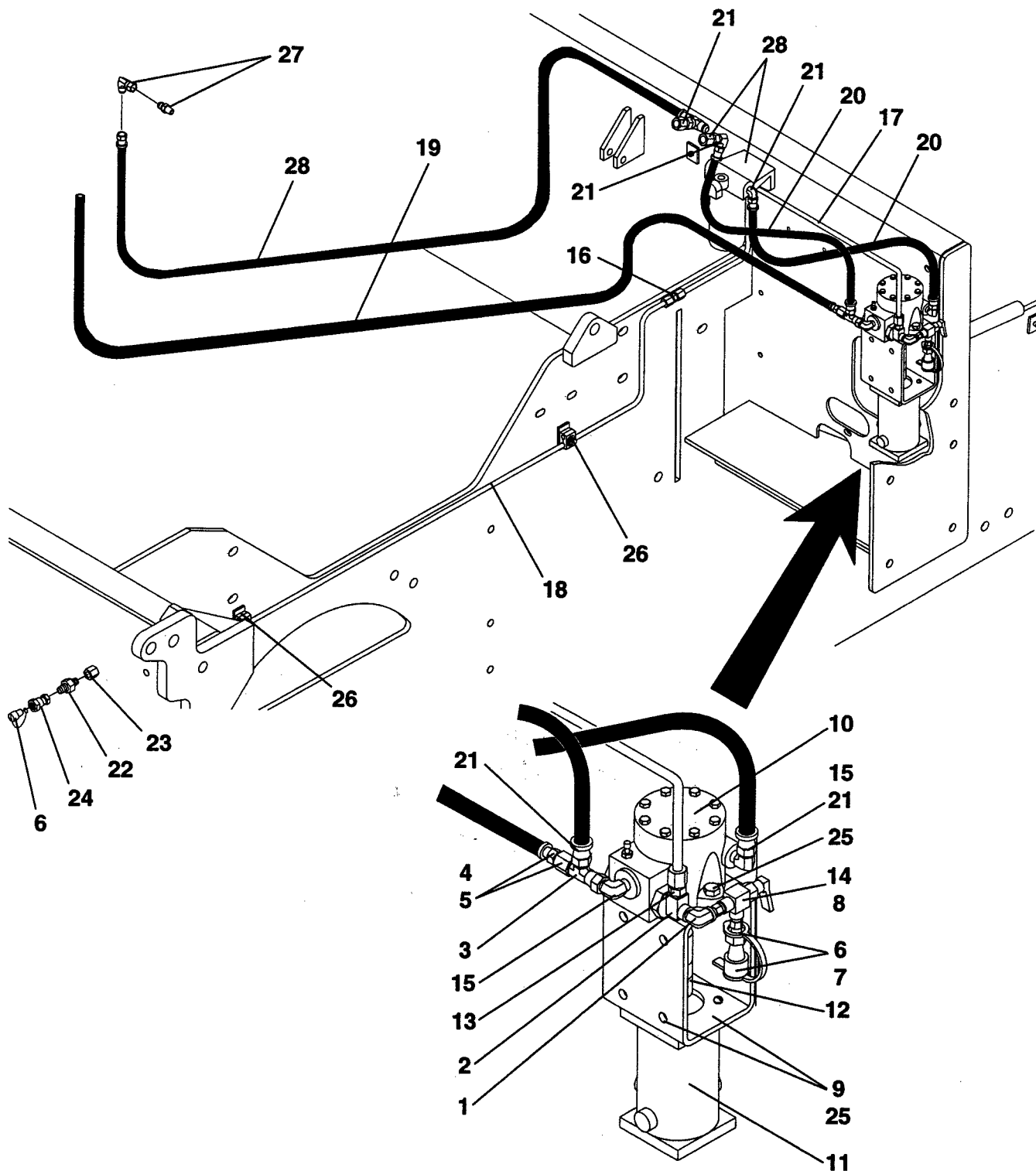
**Fume Collection Fan**



Assembled View

Ref. No.	Part Number	Description	Quantity
	9704-320-97	Fume Fan - Complete	1
1	45080-006-21	Hydraulic Motor	1
2	9704-319-49	Key, Step (Supplied with motor)	1
3	9704-320-92	Wheel, Fan	1
4	9704-320-05	Mount, Motor	1
5	9704-319-27	Plate, Housing	1
6	9704-319-23	Housing, Fan	1
7	9704-320-08	Box, Inlet	1
8	7430-279	Elbow, 90° 7/8" x 1/2" - with O-Ring	1
	45259-508-71	O-Ring, 7/8" (For above fitting)	As Req
9	7430-256	Connector, 7/8" x 1/2" - with O-Ring	1
	45259-508-71	O-Ring, 7/8" (For above fitting)	As Req
10	7430-252	Connector, 9/16" x 3/8" - with O-Ring	1
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
11	7430-002	Connector, 1/4" x 1/4"	1
12	7383-271	Cap screw, 3/8" NC x 4-1/2"	4
13	7389-023	Cap screw, 3/8" NC x 3/4" - Flat Head	4
14	7383-039	Cap screw, 3/8" NC x 1-1/4"	2
15	7465-014	Washer, 3/8" Hardened Flat	2
16	45890-102-30	Locknut, 3/8" NC	6
17	7472-010	Screw, #10 NC x 5/8" - Self-Tapping	14
18	45890-255-46	Washer, 1/4" Flat Oversize	1
19	7014-001	Lockwasher, 1/4"	1
20	45890-300-62	Cap screw, M6 x 20 Hex Head - Grade 10.9	1
21	45210-001-18	Seal	1
22	45890-255-32	Washer, 5/8" High Strength	1
23	45995-001-30	Sealant	As Req

### Fuel System

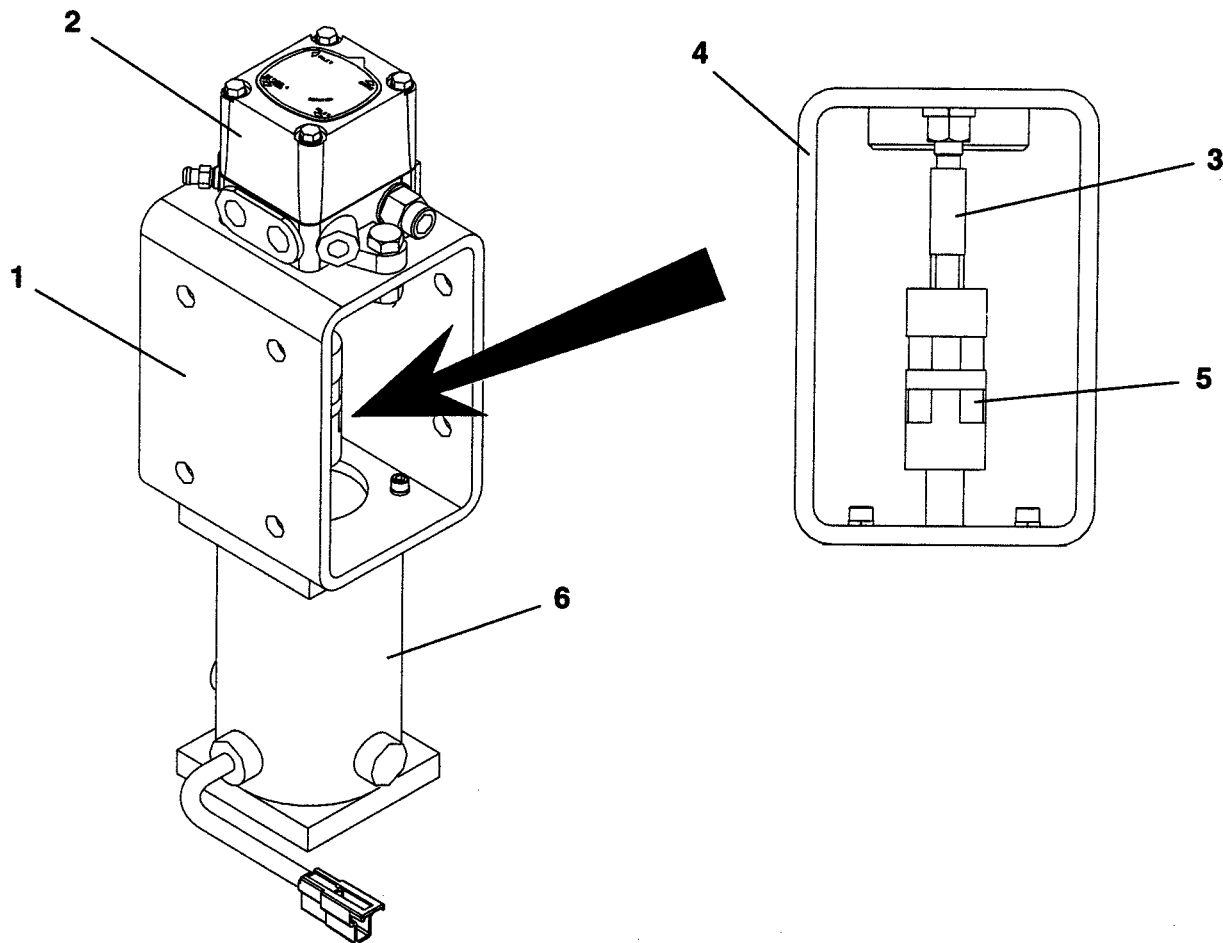




## Fuel System

Ref. No.	Part Number	Description	Quantity
1	45720-770-01	Elbow, 1/8"	1
2	45720-776-14	Tee, 1/8"	1
3	7430-344	Tee, 3/8"	1
4	7430-323	Reducer, 1/4" x 3/8"	1
5	7430-206	Nut, 3/8"	1
6	45191-504-29-01	Plug, Dust	2
7	45191-504-29-03	Coupling, Quick Disconnect	1
8	45720-770-54	Nipple, 1/8"	2
9	9704-555-80	Mount	1
10	45652-528-11	Pump, Fuel ( See Form # 21900 This Section )	1
11	9704-316-07	Motor, Fuel Pump - Complete	1
	46098-400-14	Motor, Electric	1
	9704-316-08	Washer, Motor Seal	1
	45210-001-14	V-Seal - V12S	1
12	45652-511-06	Coupling	1
13	7430-043	Connector, 1/8" x 3/8"	1
14	45252-004-64	Valve	1
15	7430-019	Elbow, 90° 1/4" x 3/8"	2
16	7430-377	Union, 3/8"	1
17	9704-661-45	Tube Assembly	1
18	9704-658-71	Tube Assembly, Pump to Bulkhead	1
19	Reference	See Power Mounting, This Section	
20	50030-002-02	Hose, 3/8"	As Req
21	7431-008	Fitting, Hose 3/8"	5
22	45191-504-14-01	Coupling, 1/4"	1
23	7430-335	Connector, 3/8"	1
24	45720-770-21	Nipple, 1/4"	1
25	{ 7383-039	Capscrew, 3/8" NC x 1-1/4"	4
	{ 7014-003	Washer, 1/4" Lock	4
	{ 7012-025	Hex Nut, 3/8" NC	4
26	{ 45080-529-22	Clamp Half, for 3/8" Tube	4
	{ 7383-023	Capscrew, 5/16" x 1-1/4"	2
	{ 7014-017	Washer, 5/16"	2
	{ 7014-002	Washer, 5/16" Lock	2
27	Reference	See Power Mounting, This Section	
28	Reference	See Hood & Accessories, This Section	

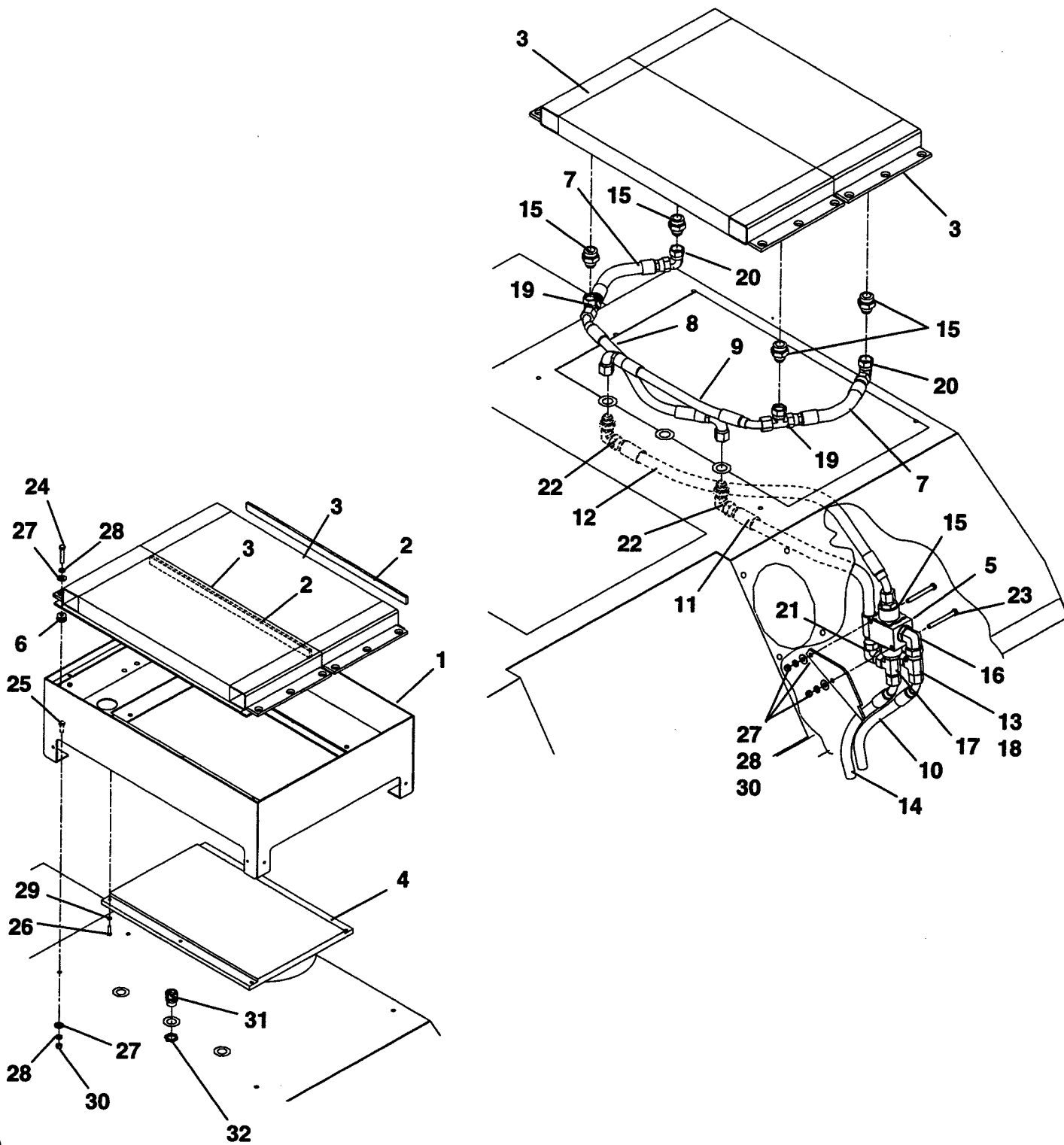
**Fuel Pump**



Ref. No.	Part Number	Description	Quantity
1	45652-528-11	Pump, Fuel - Complete	1
2	45652-528-11-01	Pump, Fuel	1
3	45652-528-11-02	Adapter, Shaft	1
4	9704-555-80	Mount, Fuel Pump	1
5	45652-511-06	Coupling, 7/16" x 1/2"	1
6	9704-316-07	Motor, Fuel Pump w/Seal	1
	46098-400-14	Motor, Electric	1
	9704-316-08	Washer, Motor Seal	.1
	45210-001-14	V-Seal - V-12S	1



### Remote Oil Cooler & Plumbing

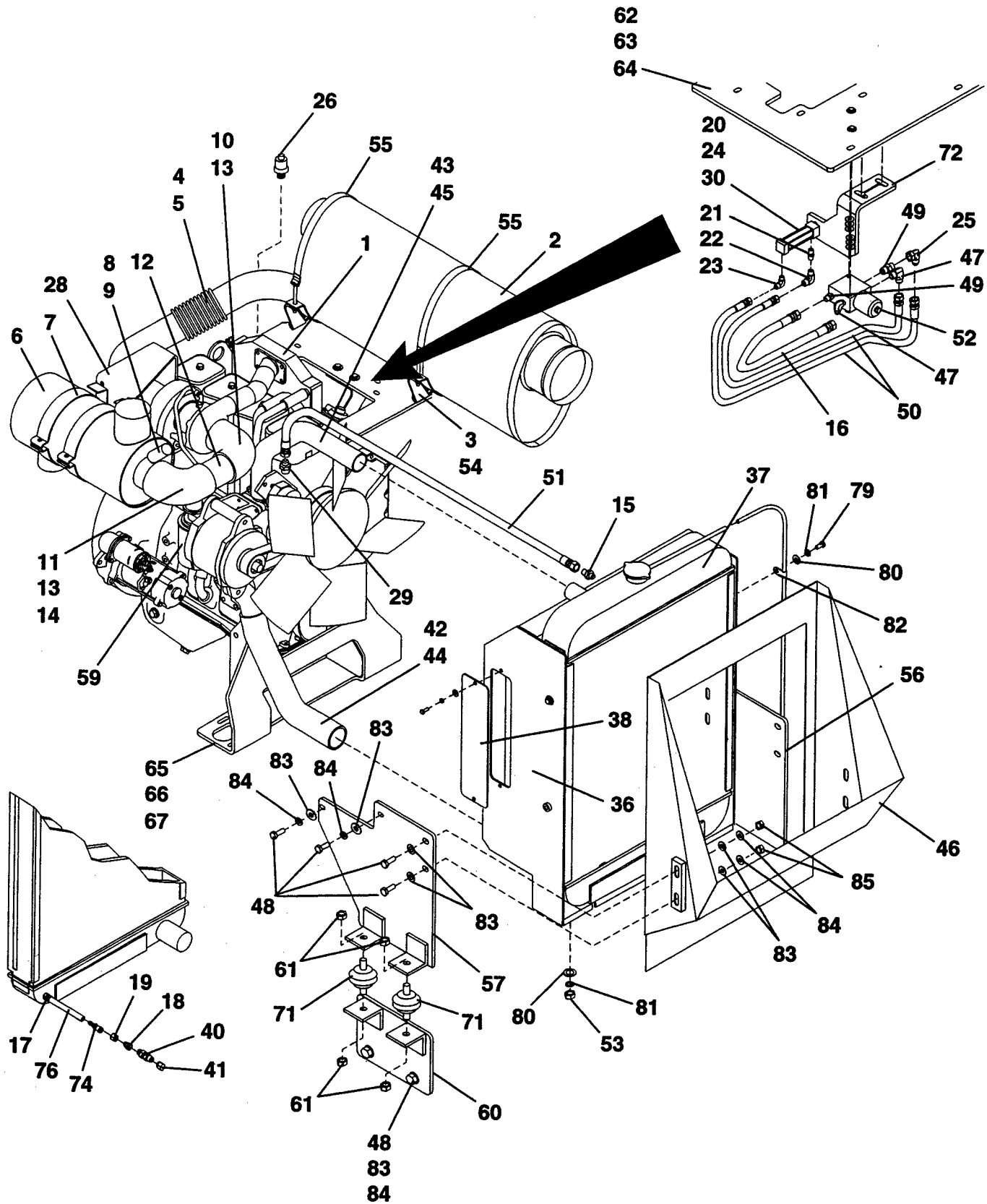




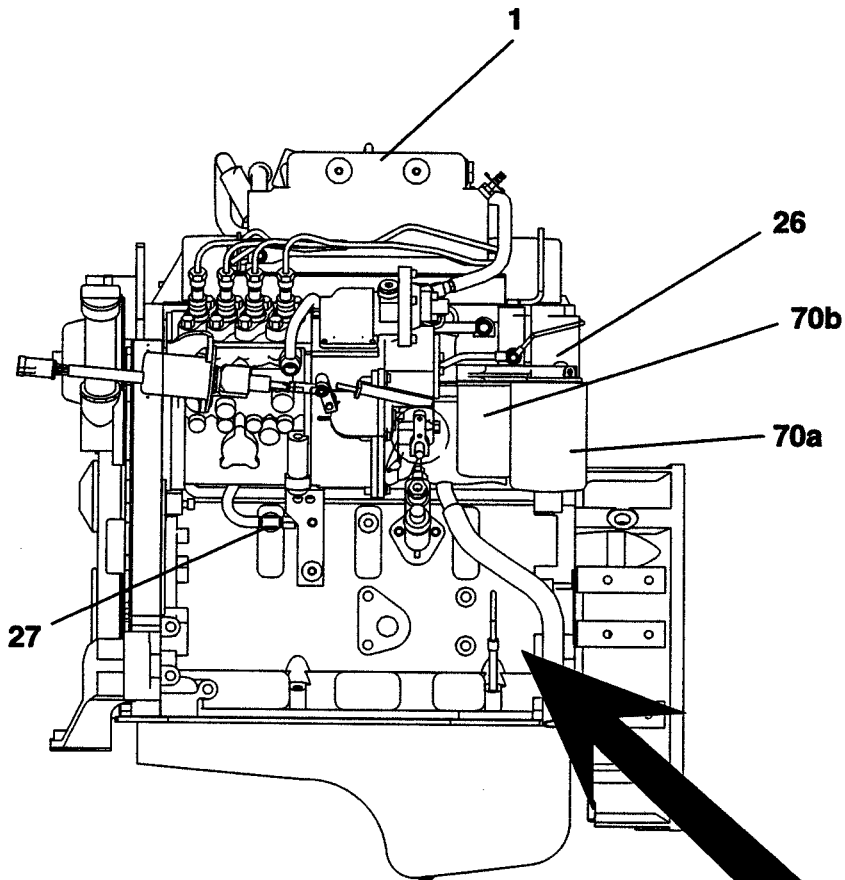
## Remote Oil Cooler &amp; Plumbing

Ref. No.	Part Number	Description	Quantity
1	9704-320-58	Enclosure	1
2	41733-003-01	Gasket, 1" x 3/8"	11'
3	45080-519-29	Oil Cooler	2
4	9704-320-69	Fan, Oil Cooler	1
5	45252-009-17	Valve, Thermal By-Pass	1
6	45905-017-06	Mount, Rubber Shock	8
7	7653-011-33	Hose Assembly	2
8	7653-021-45-01	Hose Assembly	1
9	7653-021-45-02	Hose Assembly	1
10	7653-067-45-01	Hose Assembly	1
11	7653-027-33-01	Hose Assembly	1
12	7653-037-34	Hose Assembly	1
13	7653-095-45-01	Hose Assembly	1
14	7654-057-34	Hose Assembly	1
15	7430-264	Connector, 1-5/16" x 3/4" - with O-Ring	5
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
16	7430-285	Elbow, 90° 1-5/16" x 1" - with O-Ring	2
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
17	7430-296	Tee, 1" Run - with O-Ring	1
	45259-508-15	O-Ring, 1-1/16" (For above fitting)	As Req
18	7430-349	Tee, 1" Swivel Nut	1
19	7430-358	Tee, 3/4" Swivel Nut	2
20	7430-387	Elbow, 90° 3/4" Swivel Nut	2
21	7430-406	Elbow, 90° 1" Swivel Nut	1
22	7430-415	Elbow, 90° 3/4" Bulkhead	2
23	7383-048	Capscrew, 3/8" NC x 3-1/2"	2
24	7383-042	Capscrew, 3/8" NC x 2"	8
25	7383-038	Capscrew, 3/8" NC x 1"	5
26	7383-006	Capscrew, 1/4" NC x 1"	6
27	7014-018	Washer, 3/8"	15
28	7014-003	Lockwasher, 3/8"	15
29	7014-001	Lockwasher, 1/4"	6
30	7012-025	Hex Nut, 3/8" NC	7
31	46026-015-02	Connector, 3/4"	1
32	46026-016-02	Locknut, 3/4"	1

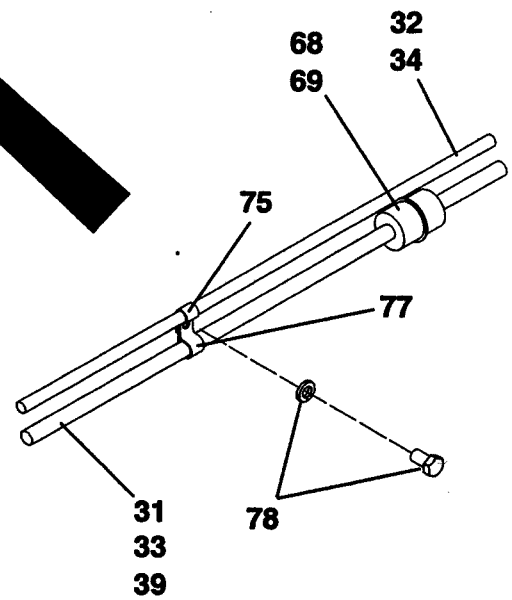
### Power Mounting



**Power Mounting**



Viewed From Left Side





## Power Mounting

Ref. No.	Part Number	Description	Quantity
1	45930-001-34	Power Unit, Cummins 4BTA 3.9 - <i>See Cummins Manual</i>	1
2	9704-320-45	Muffler, Fume Recovery	1
3	9704-319-91	Front Mount, Fume Recovery	2
4	9704-317-55	Pipe, Exhaust	1
5	45710-002-03	Clamp, 3" Saddle	1
6	45690-001-27	Air Cleaner - <i>See Form # 17717, This Section</i>	1
7	45690-001-15-01	Band, Air Cleaner	2
8	7286-001	Elbow, 45° 1/8"	1
9	45690-001-26-03	Indicator, Restriction	1
10	45340-001-17	Elbow, 3" x 3"	1
11	45340-001-18	Elbow, 3" x 3-1/2"	1
12	40698-003-75	Tube, 3" x 3-3/4"	1
13	45191-007-16	Clamp, T Bolt	3
14	45191-007-18	Clamp, T Bolt	1
15	7430-004	Connector, 1/4" x 3/8"	1
16	7651-018-33	Hose Assembly	1
17	7431-003	Hose End, 3/8" x 1/4"	1
18	7430-325	Reducer, 1/2" x 3/8"	1
19	7430-207	Nut 1/2"	1
20	45090-007-19	Cylinder, Hydraulic	1
21	45259-012-01	Limiter, 1/8"	1
22	7430-084	Elbow, 1/8" x 1/4"	1
23	7430-016	Connector, 1/8" x 1/4"	1
24	9704-319-89	Link, Throttle	1
25	7430-105	Elbow, 1/4 x 3/8"	1
26	45865-003-19	Sender, Temperature	1
27	45865-002-17	Sensor, Oil Pressure	1
28	9704-313-90	Bracket, Air Cleaner	1
29	7430-044	Connector, 1/2" x 3/8"	1
30	9704-319-87	Spacer, Throttle Cylinder	1
31	50030-002-02	Hose, 3/8" - <i>Fuel Suction</i>	As Req
32	50030-001-31	Hose, 1/4" - <i>Fuel Return</i>	As Req
33	7431-008	Fitting, Hose 3/8"	1
34	7431-006	Fitting, Hose 1/4"	1
35	9704-375-95	Harness, Engine Wiring ( <i>Not Shown</i> )	1
36	9704-320-70	Shroud, Radiator	1
37	45905-009-03	Radiator	1
38	9704-315-63	Cover, Side	2
39	45191-004-75	Clamp, 5/8" Max Hose	2
40	7430-367	Union, 1/2" Bulkhead	1
41	7430-229	Cap, 1/2"	1
42	45191-005-41	Hose, Radiator - <i>Lower</i>	1
43	45191-005-42	Hose, Radiator - <i>Upper</i>	1
44	46185-001-05	Clamp, Hose	2
45	45191-004-13	Clamp, 2"	2
46	9704-320-71	Duct, Radiator	1
47	7430-019	Elbow, 90° 1/4" x 3/8"	1
48	7383-069	Capscrew, 1/2" NC x 1- 1/4"	8
49	7430-004	Connector, 1/4" x 3/8"	1
50	7650-018-33-01	Hose Assembly	2
51	7651-022-33	Hose Assembly	1

- Continued -

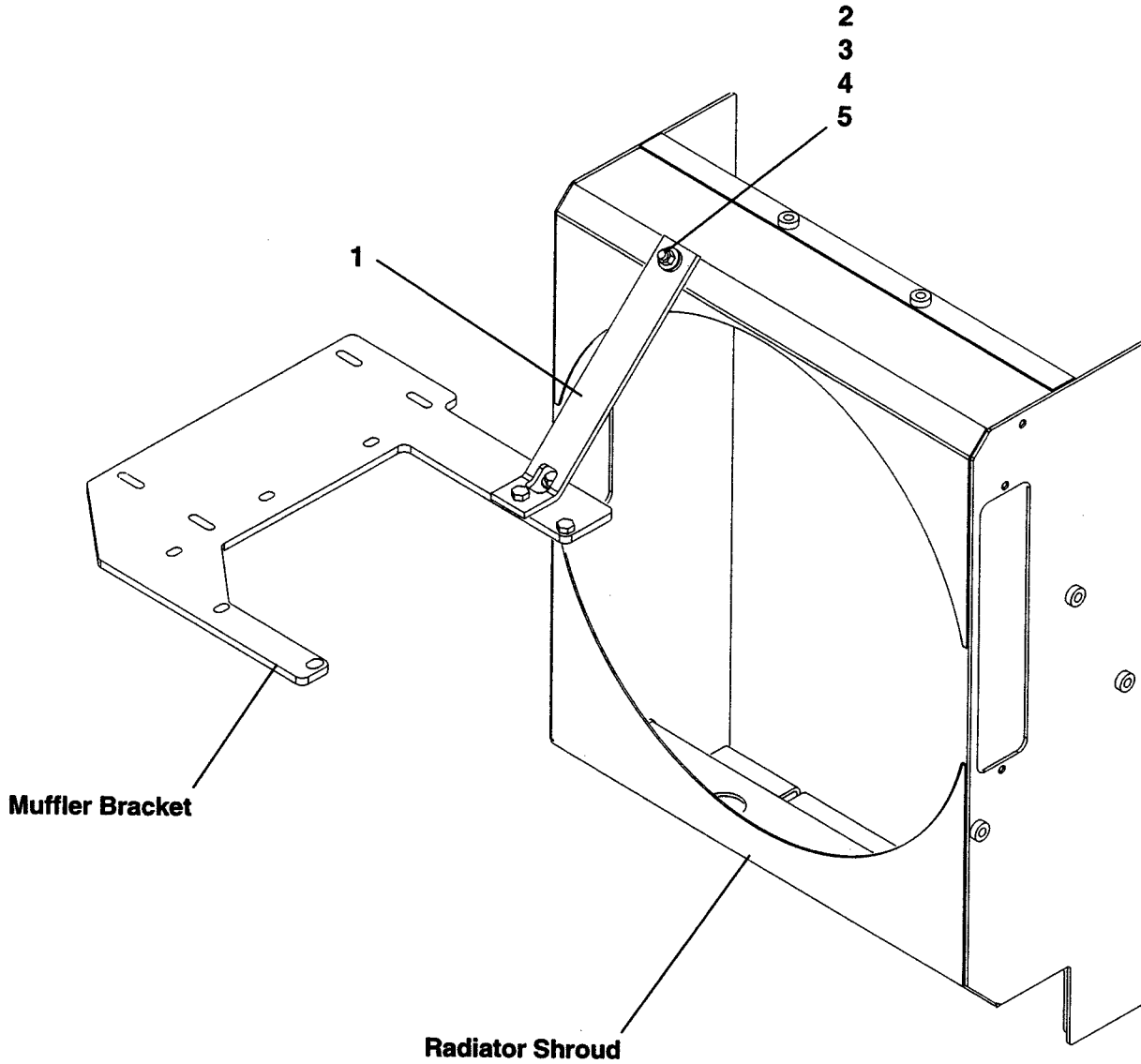


## Power Mounting

Ref. No.	Part Number	Description	Quantity
52	45252-005-11	Valve, Throttle	1
	45252-005-11-01	Cartridge, Valve	As Req
	45252-005-11-02	Coil, Cartridge	As Req
53	7012-025	Hex Nut, 3/8" NC	2
54	45710-002-14	Clamp, Muffler Mounting	2
55	46185-001-26	Clamp, Strap	2
56	9704-317-89	Mount, Left Hand Top	1
57	9704-317-90	Mount, Right Hand Top	1
58	46275-010-11	Connector, 2-Way Male (Not Shown)	1
59	*45930-001-10-02	Oil Filter, Engine	1
60	9704-317-87	Mount, Bottom Radiator	2
61	7012-049	Hex Nut, 1/2" NF	8
62	9704-320-02	Plate, Muffler Mount	1
63	45890-300-02	Capscrew, M10 x 30 Hex Head	3
64	7014-018	Washer, 3/8"	As Req
65	9704-316-23	Mount, Front Engine	1
66	45890-300-54	Capscrew, 12MM Socket Head	10
67	45890-301-11	Washer, M12 x 18 x 2.5	10
68	*45930-001-18-02	Filter, In-Line Fuel	1
69	45191-004-28	Clamp, Hose	1
70a	*45930-001-10-03	Fuel Filter, Primary	1
70b	*45930-001-10-04	Fuel Filter, Secondary	1
71	45395-001-12	Mount, Shock	4
72	9704-319-88	Bracket, Throttle	1
73	46275-010-13	Terminal, Male (Not Shown)	2
74	7431-008	Fitting, Hose 3/8"	1
75	7509-003	Clamp, 1/2"	1
76	50030-002-02	Hose, 3/8"	5'
77	7509-004	Clamp, 5/8"	1
78	{ 45890-300-60	Capscrew, M12 x 20 x 1.75	2
	{ 45890-301-11	Washer, M12 x 18 x 2.5	2
79	7383-036	Capscrew, 3/8" NC x 3/4"	2
80	7014-018	Washer, 3/8"	4
81	7014-003	Washer, 3/8" Lock	4
82	7509-002	Clamp, 3/8"	1
83	7014-020	Washer, 1/2"	As Req
84	7014-005	Lockwasher, 1/2"	As Req
85	7012-027	Hex Nut, 1/2" NC	4

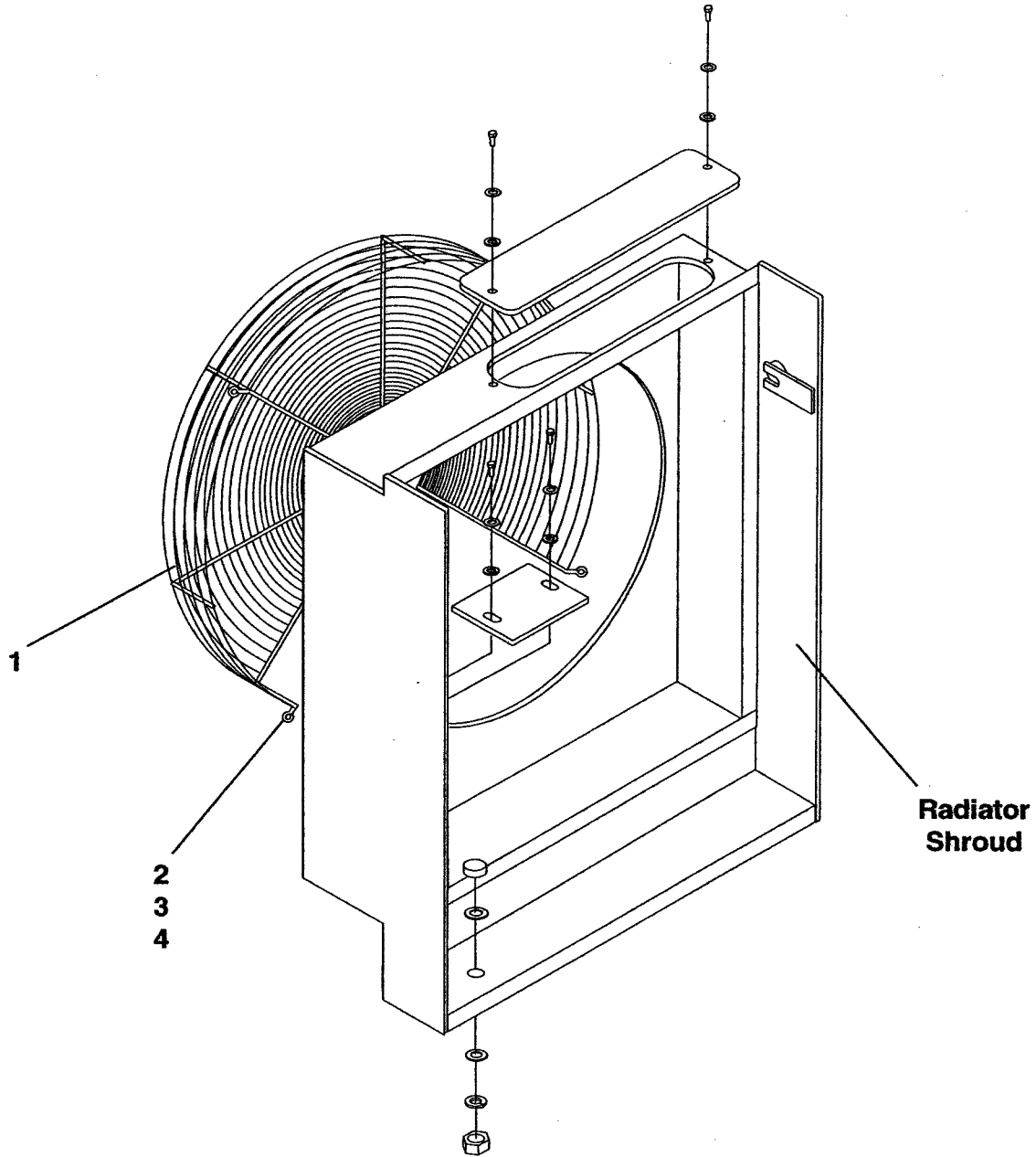
\*NOTE: Items 59, 68, 70a and 70b are not part of Power Mounting assembly; they are only listed for easy reference and customer ordering.

**Radiator Brace**



Ref. No.	Part Number	Description	Quantity
1	9704-320-13	Brace, Radiator	1
2	45905-017-06	Mount, Rubber Shock	1
3	7383-040	Capscrew, 3/8" NC x 1-1/2"	1
4	7014-018	Washer, 3/8"	1
5	45890-102-30	Nut, 3/8" NC Gripco	1

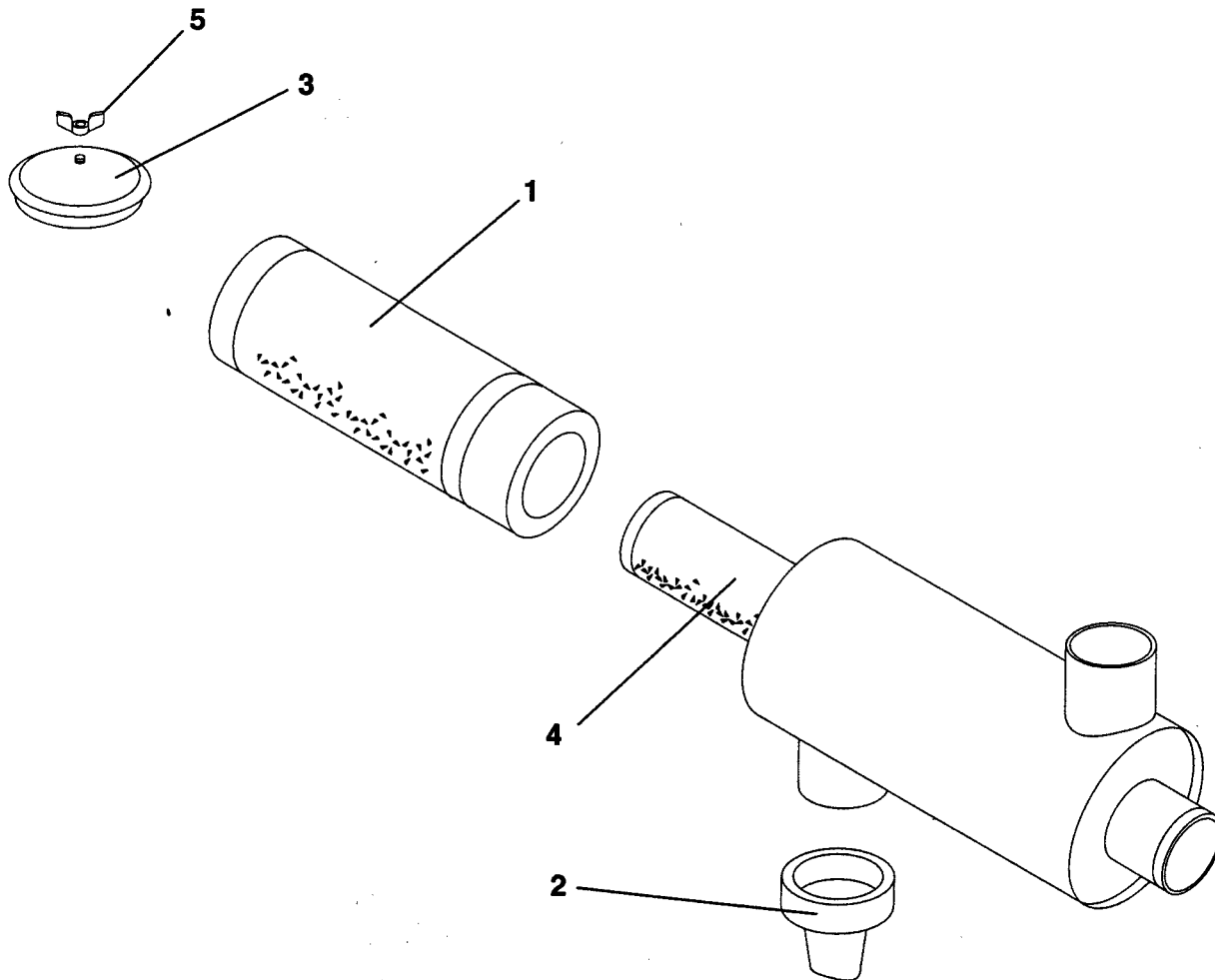
**Fan Guard**



Ref. No.	Part Number	Description	Quantity
1	9704-320-26	Guard, 24" Fan	1
2	7383-038	Capscrew, 3/8" NC x 1"	4
3	7014-018	Washer, 3/8"	4
4	7014-003	Washer, 3/8" Lock	4



## Air Cleaner



Ref. No.	Part Number	Description	Quantity
	45690-001-27	Air Cleaner - Complete	
1	45690-001-27-01	Element, Filter - Primary	1
2	45690-001-27-02	Vacuator Valve	1
3	45690-001-27-03	Cover	1
4	45690-001-27-04	Element, Filter - Safety	1
5	45690-001-27-05	Nut Assembly, with Gasket	1

**NOTE: For Air Cleaner Body Replacement, Consult Factory**



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**Cummins Engine  
Parts Replacement Manual**

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**Cummins Model No: 4BTA 3.9-C  
Horsepower Rating: 125HP / 2200RPM**

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**Cedarapids Part No: 45930-001-34  
Grayhound Models: CR351, CR361  
& CR411**

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ITEM	QTY	PART NO./PATTERN NO.	DESCRIPTION	REV.

CUMMINS  
 MODEL 4BTA 3.9  
 4 CYLINDER, 4 STROKE, IN-LINE,  
 LIQUID COOLED, TURBOCHARGED,  
 AFTER-COOLED, DIESEL ENGINE

2100 RPM GOVERNED SPEED

125 HORSEPOWER AT 2200 RPM

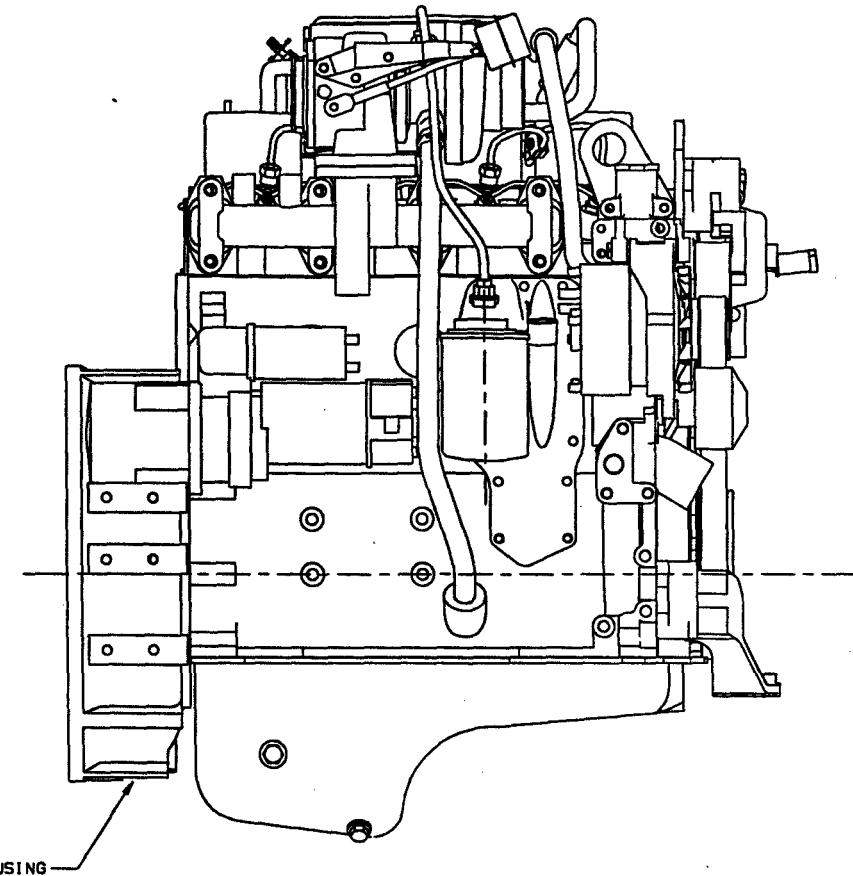
10% SPEED REGULATION

900±100 RPM IDLE SPEED

EQUIPPED WITH OPTIONS AS FOLLOWS:

CUMMINS ITEM NO.	DESCRIPTION
AF 9006	ADAPTER, FRONT PLATE
AH 9062	HEATER, AIR INTAKE
AP 9118	DATAPLATE
BP 9003	BASE PARTS
CM 9001	COVER, CAM FOLLOWER
DF 9051	DRIVE, FRT GR TR ACCESSORY
DL 9030	LOCATION, FUEL DRAIN
EC 9001	THERMOSTAT
EE 9021	ALTERNATOR, 12 VOLT, 105 AMP
EH 9009	ALTERNATOR MOUNTING PARTS WITH PULLEY
EI 9000	DRIVE, MECH TACK
FA 9073	FAN CENTER 11.6" ABOVE CRANK .87:1 SLOW DOWN RATIO
FF 9007	DUEL FUEL FILTER W/WATER SEPARATOR AND DRAIN
FH 9002	#3 FLYWHEEL ADAPTER
FR 90022	FUEL RATING
FS 9106	FUEL LIFT PUMP
FS 9033	IN-LINE FUEL FILTER
FV 9185	12 VOLT ELECTRIC FUEL SHUT-OFF
FW 9017	FLYWHEEL FOR 11-1/2" CLUTCH
LA 9007	BRACKET, LIFTING
LC 9018	COOLER, ENGINE OIL
LG 9003	DIPSTICK, LONG, TOWARDS REAR
LP 9005	PUMP, LUBRICATING OIL
OB 9000 (VC 9012)	OIL FILL ON REAR VALVE COVER
OP 9004	OIL PAN REAR SUMP ANGULARITY: 45° FRONT DOWN 40° REAR DOWN, 45° SIDES 10 QT. HI / 8 QT. LOW
PP 2264	PERFORMANCE PARTS
SP 9019	SPACER, FAN PILOT (1")
SS 9001	CUMMINS BEIGE PAINT
ST 9039	12 VOLT STARTER WITH ATTACHING HARDWARE FOR ELECTRIC CABLES
TB 9397	TURBOCHARGER EXHAUST TO REAR
TH 9001	HOUSING, THERMOSTAT
VC 9012	VALVE COVER
WI 9002	CONNECTION, WATER INLET
WP 9001	PUMP, WATER
XS 9009	3" V-BAND CLAMP
DISTRIBUTOR ITEM NO.	DESCRIPTION
3056344	OIL PRESSURE SWITCH
3056353	WATER TEMP SWITCH
3056356	WIRE HARNESS 2 EA.
918575	24" BLOWER FAN (SCHWITZER S-1279)
XXXXXXX	PARTS MANUAL 2 EA.
3810205	OWNERS MANUALS 2 EACH
MMB X 1.25	60MM CAPSCREWS, 4 EACH

METRIC NUTS ON STARTER & ALTERNATOR



ONE YEAR SHELF LIFE  
 NEED TO ROTATE CRANK TO MAINTAIN LUBRICATION.

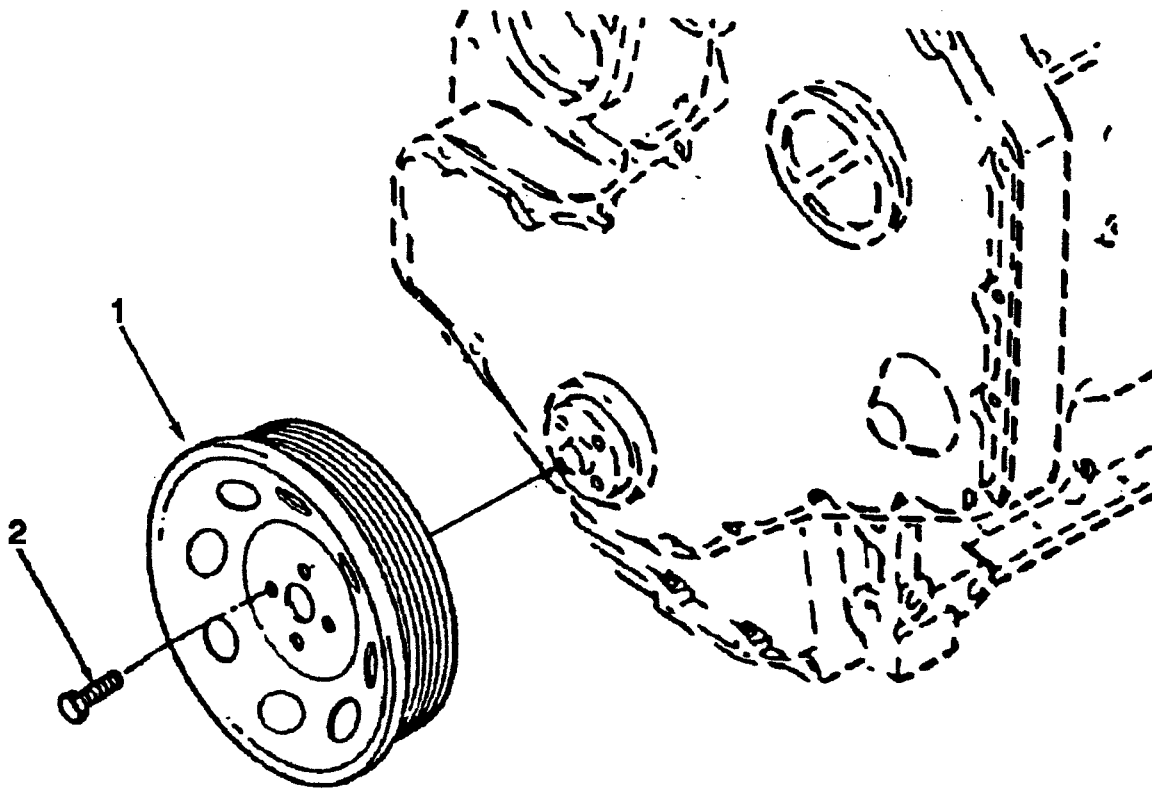
SUPPLIER:

CUMMINS GREAT PLAINS DIESEL  
 OMAHA, NEBRASKA

CALC. WT. (LBS)

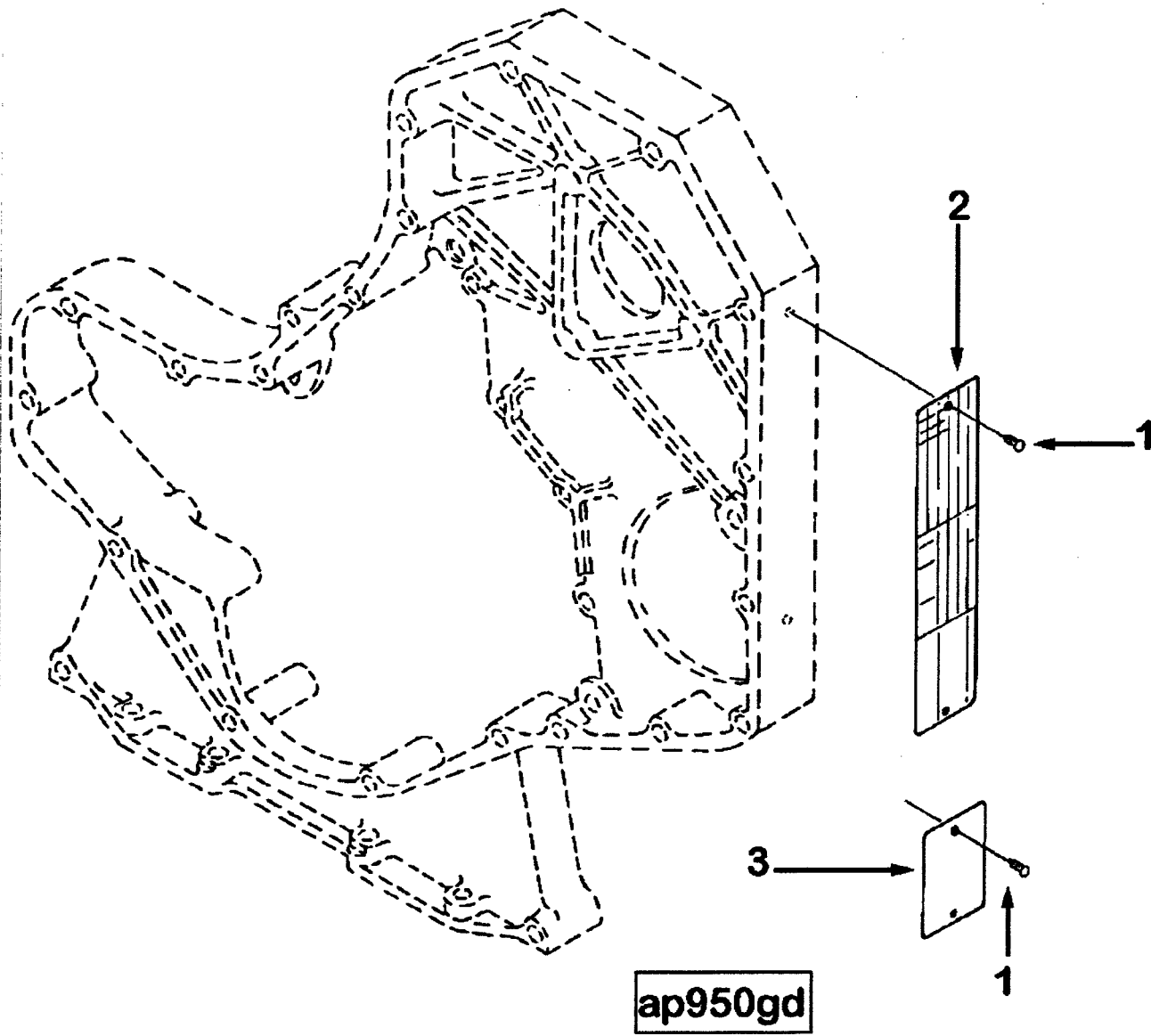
CAD DRAWING

SYD.	AREA	REVISION	DATE	BY	CEDEARAPIDS PROPRIETARY DATA	SERIAL	MATL.	Cedarapids A Raytheon Company			
					This document contains proprietary technical data developed or acquired by the company of Cedarapids Inc. and shall be used only by Cedarapids employees or other persons authorized in writing by Cedarapids. Neither the document nor the technical data shall be furnished, disclosed to, copied or used by persons outside Cedarapids for any purpose without its' express written approval. This document is loaned subject to return upon demand.	S.P.O.		DESCRIPTION	M FILM	DRAWING TITLE	TYPE
					<b>DO NOT SCALE DRAWING</b>	R.O.		CUMMINS 4BTA3.9		ENGINE	4
					UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES	P.A.L.		45930-001-29	BY	K. IRWIN	REV.
					DIMENSIONS TOLERANCES ARE: 1 PLACE DECIMALS ± 0.010 FRACTIONS: ± 3/64 2 PLACE DECIMALS: ± 0.05 ANGLES: ± 2.0° 1 PLACE DECIMALS: ± 0.1	REV. ASSY.		C	45930-001-34		
								SUPERVISOR	DATE	SCALE	SHEET
								C. MACKU	5-21-97	NONE	1 OF 1

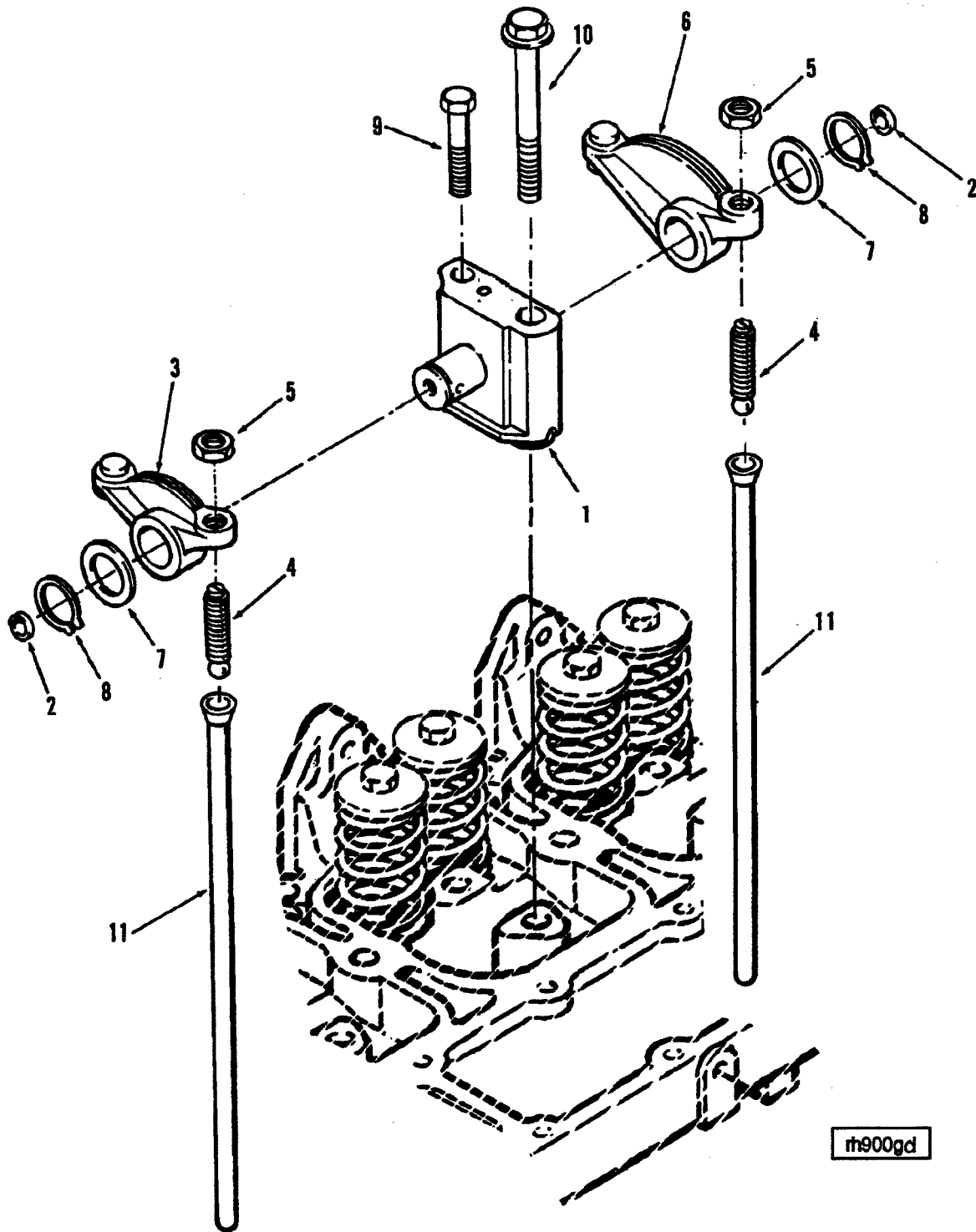


af900gk

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	AF9006	Front Drive Adapter	1	Front Drive Adapter Engine Family: B Series Adaptable to a PTO: No Pulley Type: 8 Groove Torque Limit (LBS.FT.): 210 Location From FFOB (MM): 93.32 Pulley Effective Diameter (MM): 173.76 Attachment Provision: Mounted Structure Code: 02 EBM Restricted Cylinders: 4 6
1	3914494	Pulley, Crankshaft	1	
2	3903857	Screw, Hex Flange Head Cap	4	M12 x 1.25 x 36

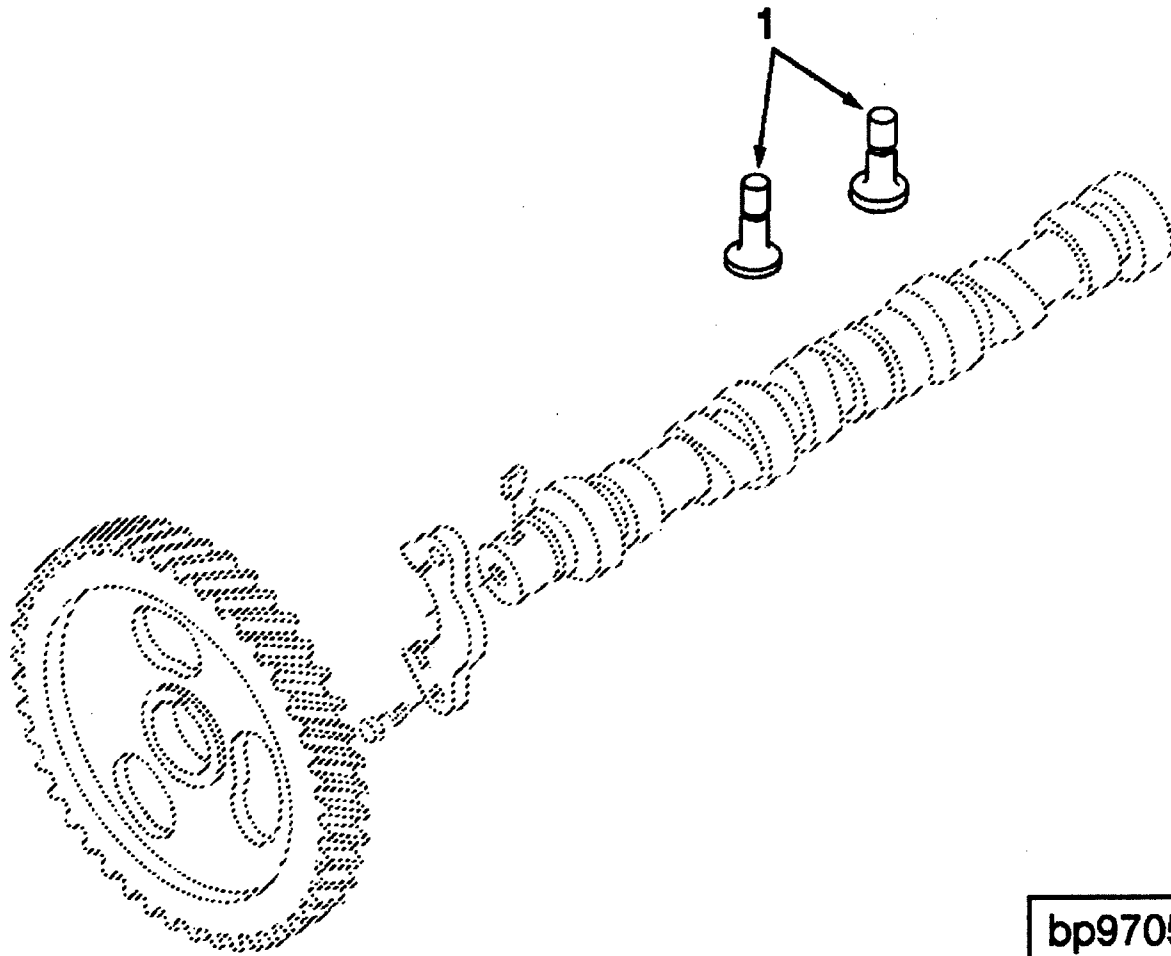


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	AP9118	Dataplate	1	<p>AGENCY APPROVAL            Certification Agency:            EPA            CARB            Application: Construction            Engine Family:            B Series            C Series            Certification Status:            Certified            Certification Year: 1997            Engine Built For: Cummins            Fuel Type: Diesel            Engine dataplate located on the front gear cover housing on the fuel pump side of the engine oriented 90 degrees counter clockwise from horizontal. Top edge of dataplate approximately 312.5 mm from centerline of crankshaft.            For fire pump applications, dataplate to be applied the rear side of the instrument panel.            UK plants to substitute 3931342.            KCEC to substitute 3931417 for 3931342.</p>
1	3908612	Screw, Drive	2	
2	3932458	Dataplate	1	
3	3931342	Dataplate	1	





REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	BP9704	Rocker Levers	1	B series rocker lever Cylinder: 4
1	3910814	Support, Rocker Lever	4	
	(3911423)	Support, Rocker Lever	1	
	(3910813)	Shaft, Rocker Lever	1	
2	3907555	Plug, Expansion	2	
3	3910811	Lever, Rocker	4	
	(3910809)	Lever, Rocker	1	Intake
4	3900706	Screw, Slotted Set	1	3/8 - 24 x 1 1/2 inch
5	203131	Nut, Heavy Hexagon	1	3/8 - 24 UNF
6	3910810	Lever, Rocker	4	
	(3910808)	Lever, Rocker	1	Exhaust
4	3900706	Screw, Slotted Set	1	3/8 - 24 x 1 1/2 inch
5	203131	Nut, Heavy Hexagon	1	3/8 - 24 UNF
7	3900245	Washer, Plain	8	M19
8	3900242	Ring, Retaining	8	
9	3901221	Screw, Hexagon Head Cap	4	M8 x 1.25 x 75
10	3920781	Screw, Hex Flange Head Cap	4	
11	3904679	Rod, Push	8	



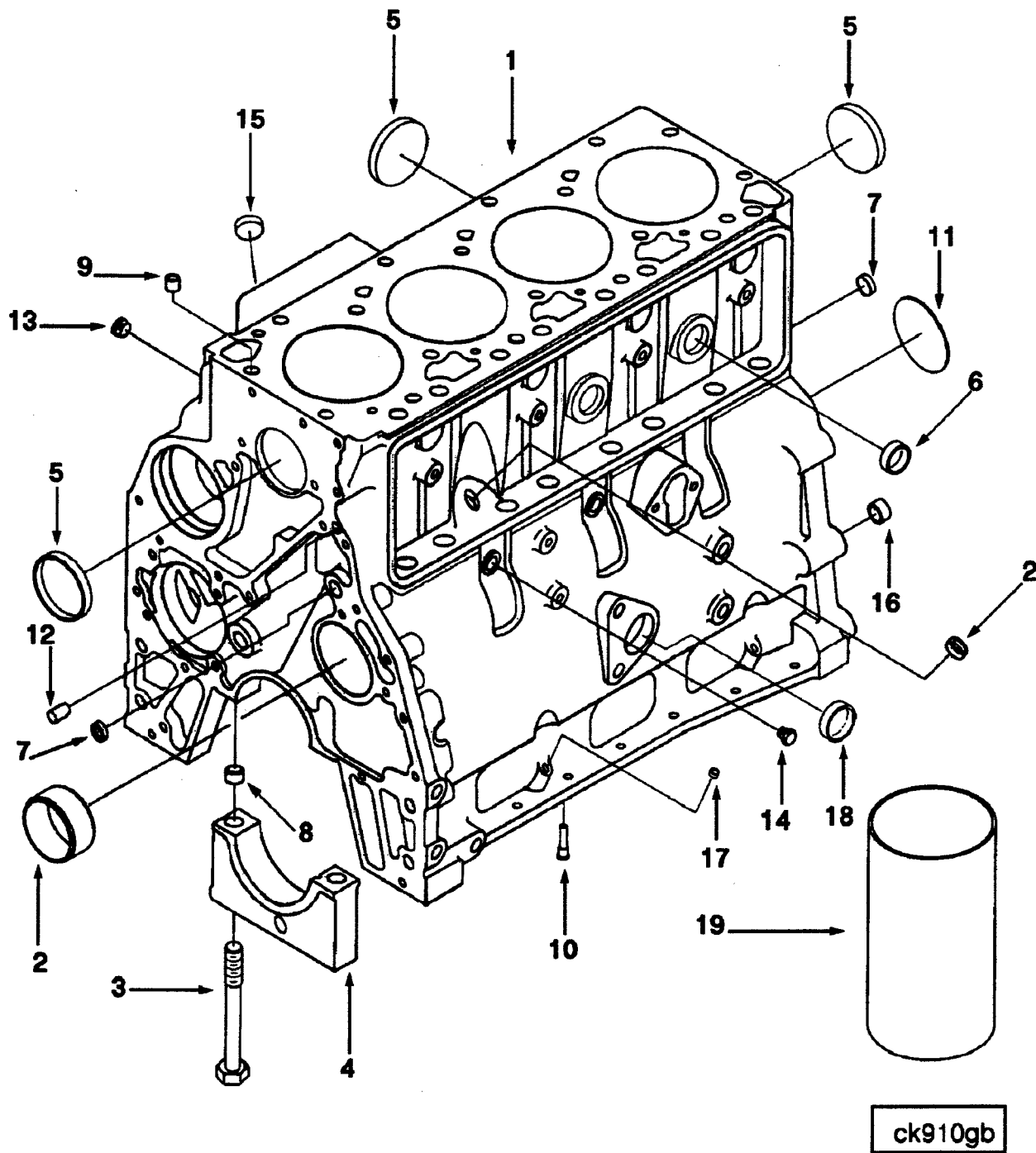
bp9705a

Group No. 04.01

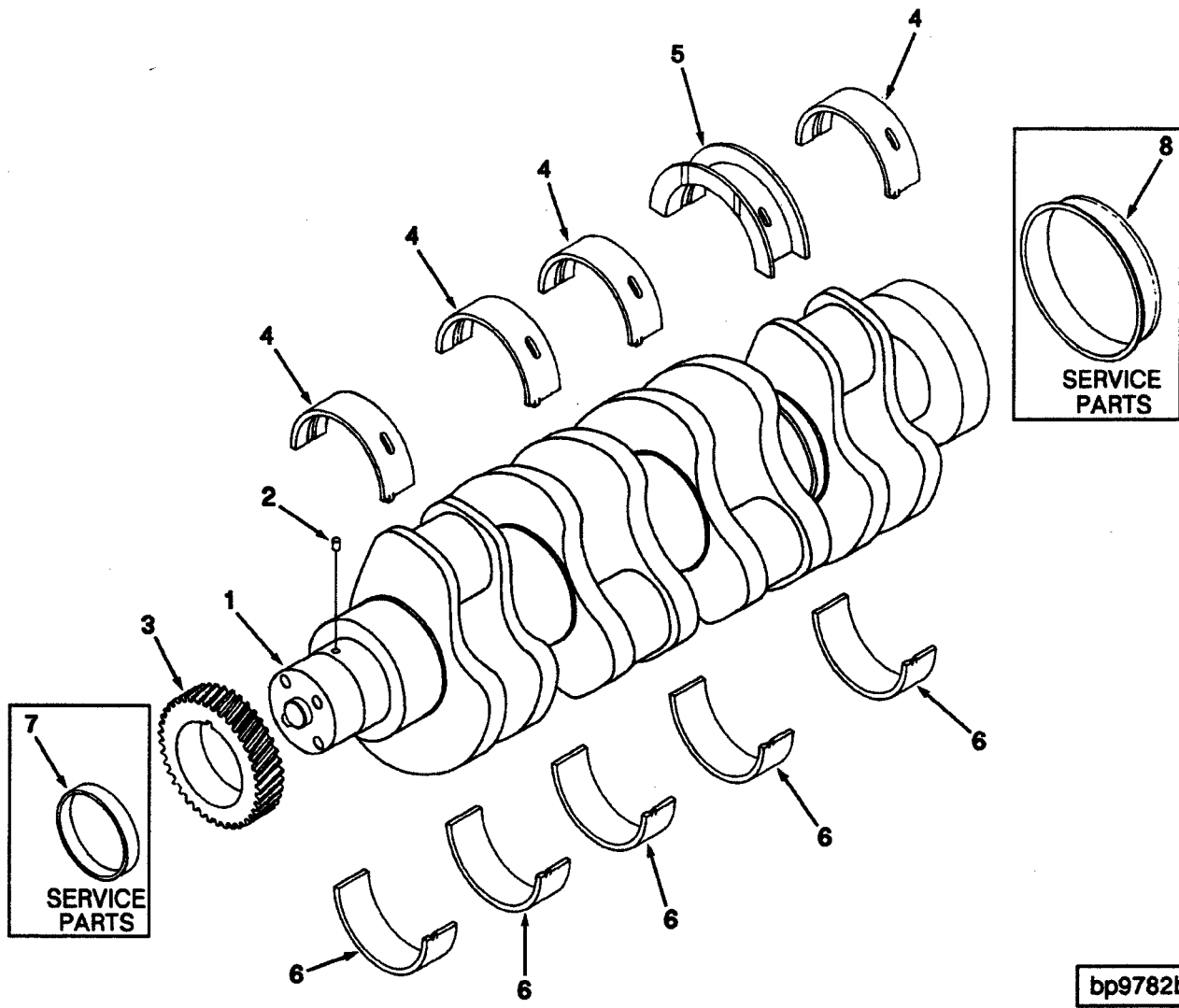
Valve Tappet

Option No. BP9705

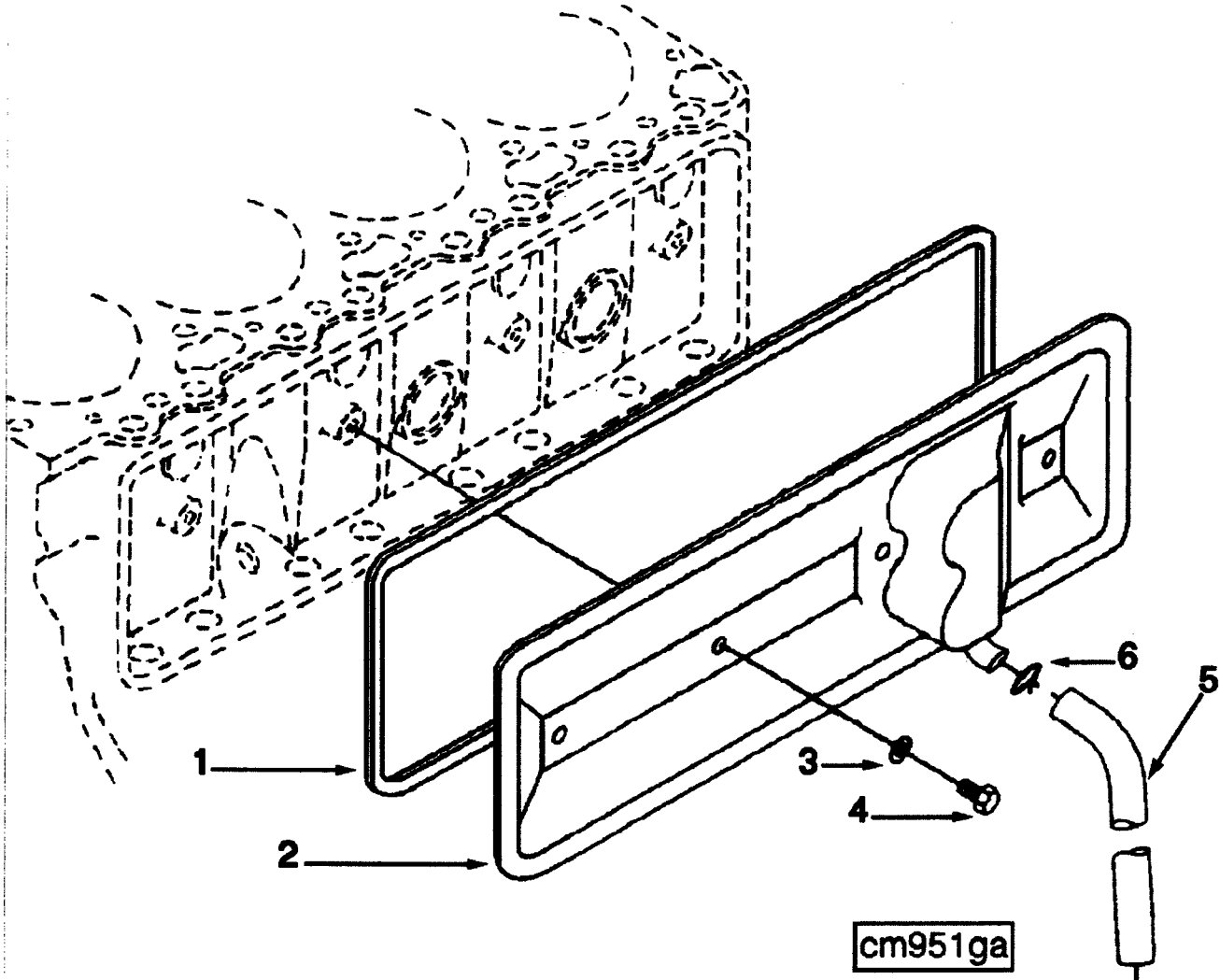
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	BP9705	Valve Tappet	1	Camfollower Cover Engine Family: B Series Cylinders: 4 B Series Structure Code: 02 EBM
1	3931623	Tappet, Valve	8	



REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	BP9785	Cylinder Block	1	Cylinder Block Engine: B Series Cylinders: 4 Aspiration: Jacket Water Aftercooled High Speed Balancer: No Expansion plug 3007635 may be used in Brazil applications in place of 3914035. Cylinder Block 3903796 may be substituted for cylinder block 3916254.
	3802269	Block, Service	1	
1	(3928794)	Block, Cylinder	1	
2	3901306	Bushing	1	
3	3904217	Screw, Hexagon Head Cap	10	M14 x 2.00 x 119
4	3900967	Cap, Main Bearing	5	Semi-Finished
5	3812090	Plug, Expansion	4	
6	3007635	Plug, Expansion	2	1 inch
7	3900956	Plug, Expansion	3	17.73 mm
8	3900068	Dowel, Ring	10	M18 x 10
15	3920706	Plug, Expansion	1	
	3802642	Kit, Block Hardware	1	
9	3902343	Dowel, Ring	2	M16 x 10
10	3930139	Nozzle, Piston Cooling	4	
11	3900068	Dowel, Ring	2	M18 x 10
12	3900257	Dowel, Pin	2	M10 x 16
13	3008468	Plug, Pipe	1	1/2 NPT
14	3906619	Plug, Pipe	2	1/8 NPT
15	3920706	Plug, Expansion	1	7/8 inch Not Used on Turbocharged
16	3900687	Plug, Expansion	1	
17	3900955	Plug, Expansion	1	Structured in LG option
18	3900958	Plug, Expansion	1	32.03 mm
SERVICE PARTS				
2	3904369	Bushing	A/R	Oversize bushing for No. 1 bore.
2	3903242	Bushing	A/R	Oversize bushing for No. 2-5 bore.
4	3900967	Cap, Main Bearing	5	Semi-Finished
19	3904166	Sleeve, Salvage		Standard Bore. Use as required.

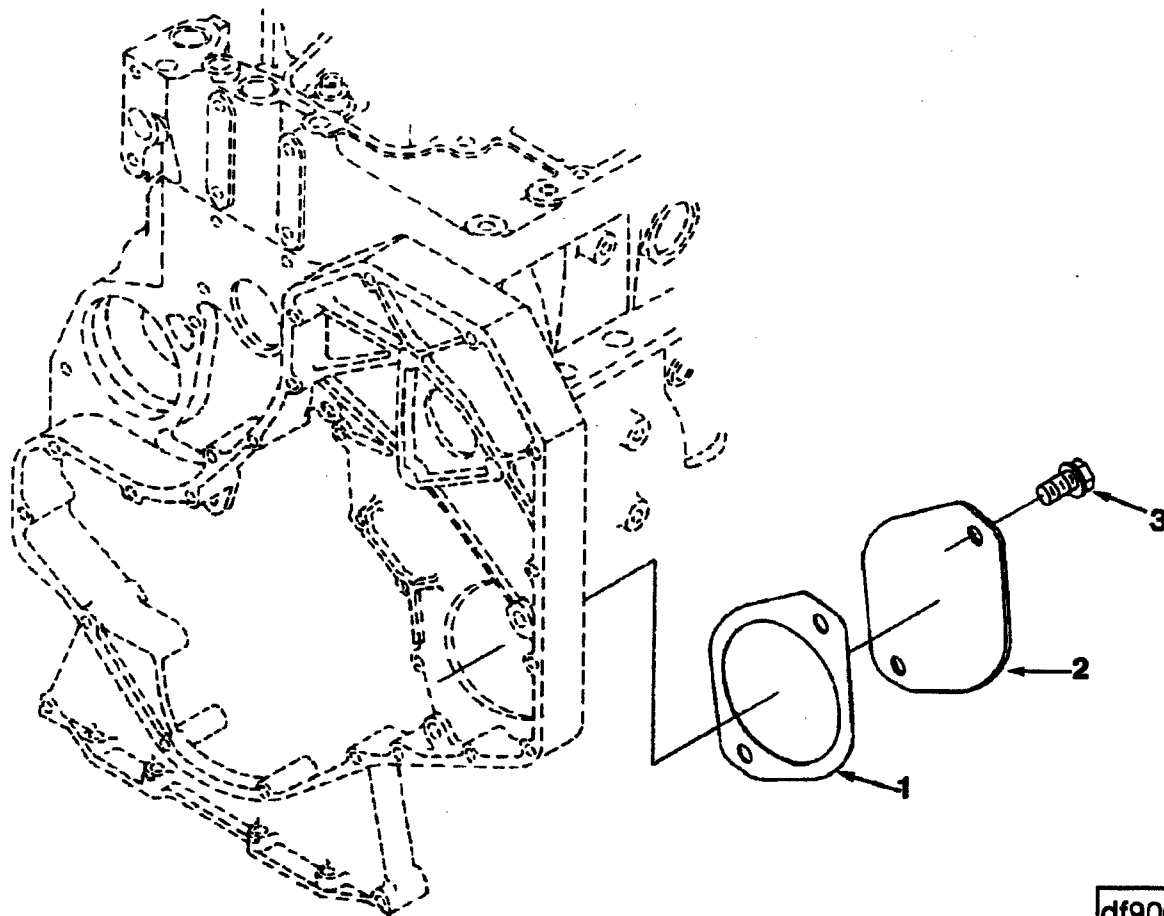


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	BP9785	Crankshaft	1	
	3906031	Crankshaft, Assembly	1	
1	(3929036)	Crankshaft, Engine	1	
2	3904483	Dowel, Pin	1	M6 x 8.0
3	3929027	Gear, Crankshaft	1	
		MAIN BEARING SETS		
	3802010	Set, Main Bearing	1	Standard
4	(3929016)	Bearing, Main	4	
5	(3927772)	Bearing, Crankshaft Thrust	1	
6	(3929021)	Bearing, Main	5	
	3802011	Set, Main Bearing	1	0.25mm Oversize
4	(3929017)	Bearing, Main	4	
5	(3927773)	Bearing, Crankshaft Thrust	1	
6	(3929022)	Bearing, Main	5	
	3802012	Set, Main Bearing	1	0.50mm Oversize
4	(3929018)	Bearing, Main	4	
5	(3927774)	Bearing, Crankshaft Thrust	1	
6	(3929023)	Bearing, Main	5	
	3802013	Set, Main Bearing	1	0.75mm Oversize
4	(3929019)	Bearing, Main	4	
5	(3927775)	Bearing, Crankshaft Thrust	1	
6	(3929024)	Bearing, Main	5	
	3802014	Set, Main Bearing	1	1.00mm Oversize
4	(3929020)	Bearing, Main	4	
5	(3927776)	Bearing, Crankshaft Thrust	1	
6	(3929025)	Bearing, Main	5	
	3802082	Bearing, Crankshaft Thrust	1	.5mm Oversize Bore/.5mm Oversize Thrust
5	(3927770)	Bearing, Crankshaft Thrust	1	
6	(3929023)	Bearing, Main	1	
	3802084	Bearing, Crankshaft Thrust	1	1.0mm Oversize Bore/1.0mm Oversize Thrust
5	(3927771)	Bearing, Crankshaft Thrust	1	
6	(3929025)	Bearing, Main	1	
		SERVICE PARTS		
7	3906080	Sleeve, Wear	1	Front
8	3906081	Sleeve, Wear	1	Rear

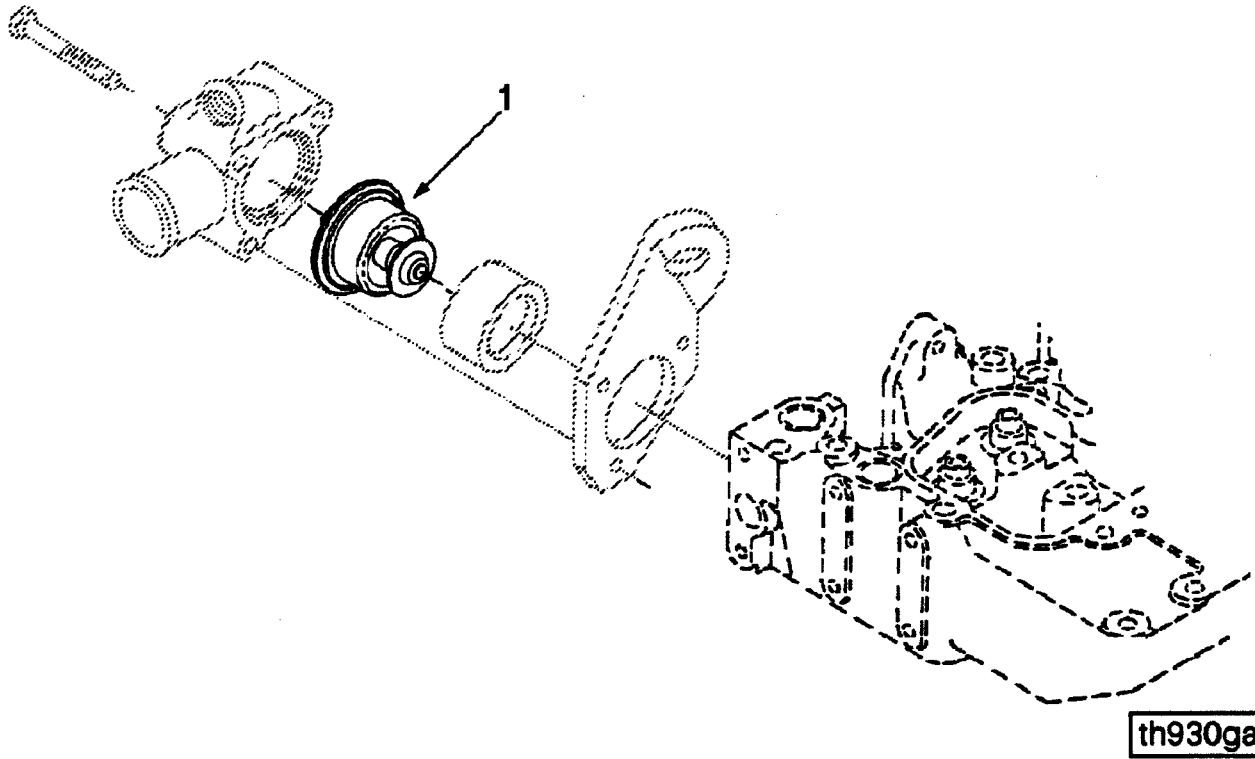




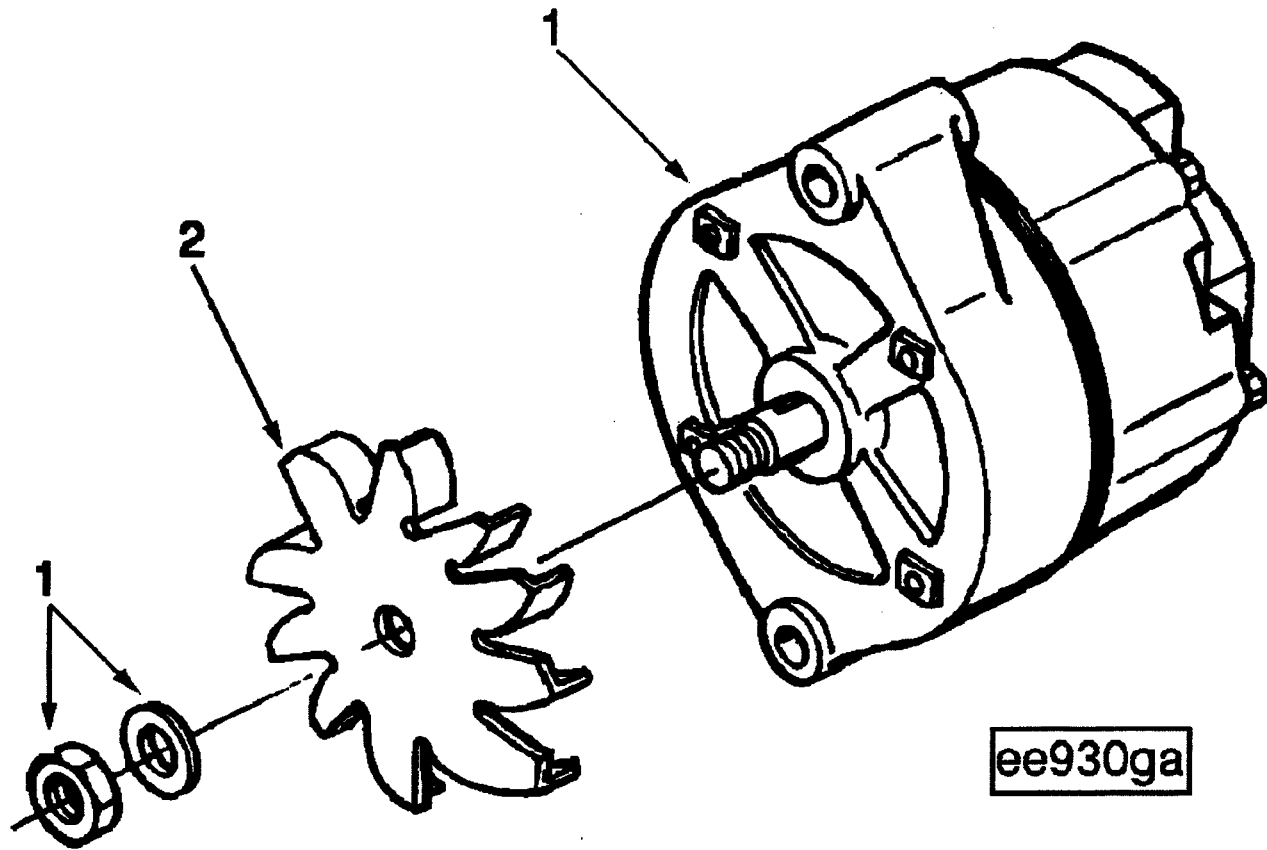
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	CM9001	Cam Follower Cover	1	Cover, Cam Follower Engine Cylinders: 4 CECO Provide Clamp & Hose: Yes Hose Start Location Off Baffle: Bottom Bottom Angle Off Baffle: 45 Adaptable To Noise Panels: No Contains Double Baffle: No Includes Crankcase Breather: Yes Baffle On Cylinder#: 3 Remaining mounting parts are found in FT option.
1	3928831	Gasket, Push Rod Cover	1	
2	3927917	Cover, Push Rod	1	
3	3928759	Seal, Grommet	2	
4	3900629	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 16
5	3918612	Hose, Plain	1	
6	3904230	Clamp, Spring Hose	1	



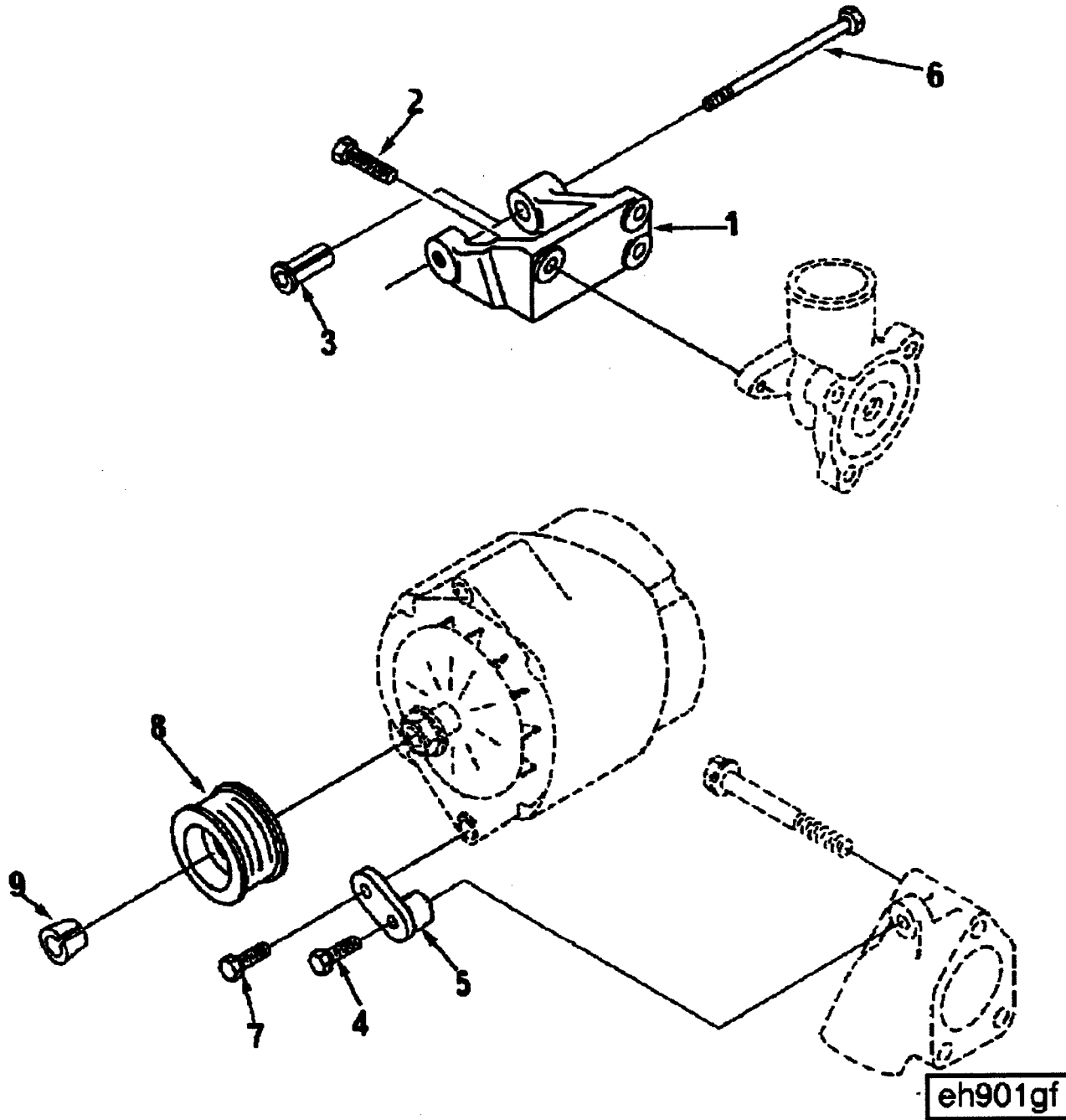
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	DF9051	Front Gear Train Accessory	1	Front Gear Train Accessory Drive Cover Plate Provided: Yes Engine Family: B Series To be selected when there is no air compressor, raw water pump or gear  driven vacuum pump selected.
1	3929751	Gasket, Acc Drive Cover	1	
2	3914868	Plate, Cover	1	
3	3901249	Screw, Hex Flange Head Cap	2	M12 x 1.75 x 25



REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	EC9001	Thermostat	1	Thermostat Thermostat Opening Temp: 83 Deg C Number of Thermostats: 1 Vented Thermostat: Yes Vented Type: Jiggle Pin
1	3802273	Kit, Thermostat	1	
	(3917324)	Thermostat	1	Includes Gasket
	3923331	Gasket, Thm Housing Cover	1	

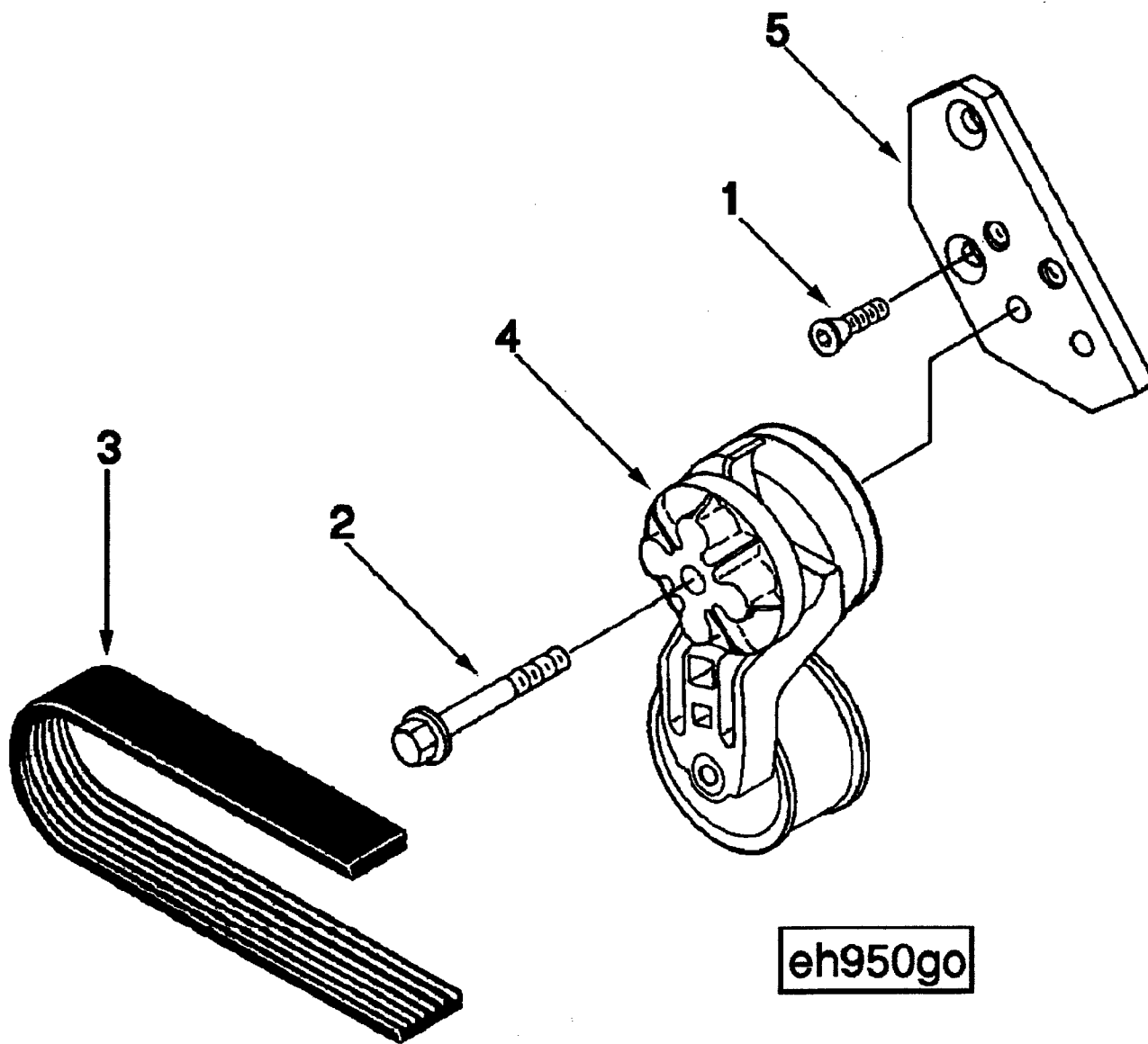


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	EE9021	Alternator	1	Alternator Alternator Manufacturer/Model : Delco Remy 15 SI Voltage: 12 Amperage: 105 Engine Family: B Series C Series
1	3909982	Alternator	1	
2	3905187	Fan, Alternator	1	

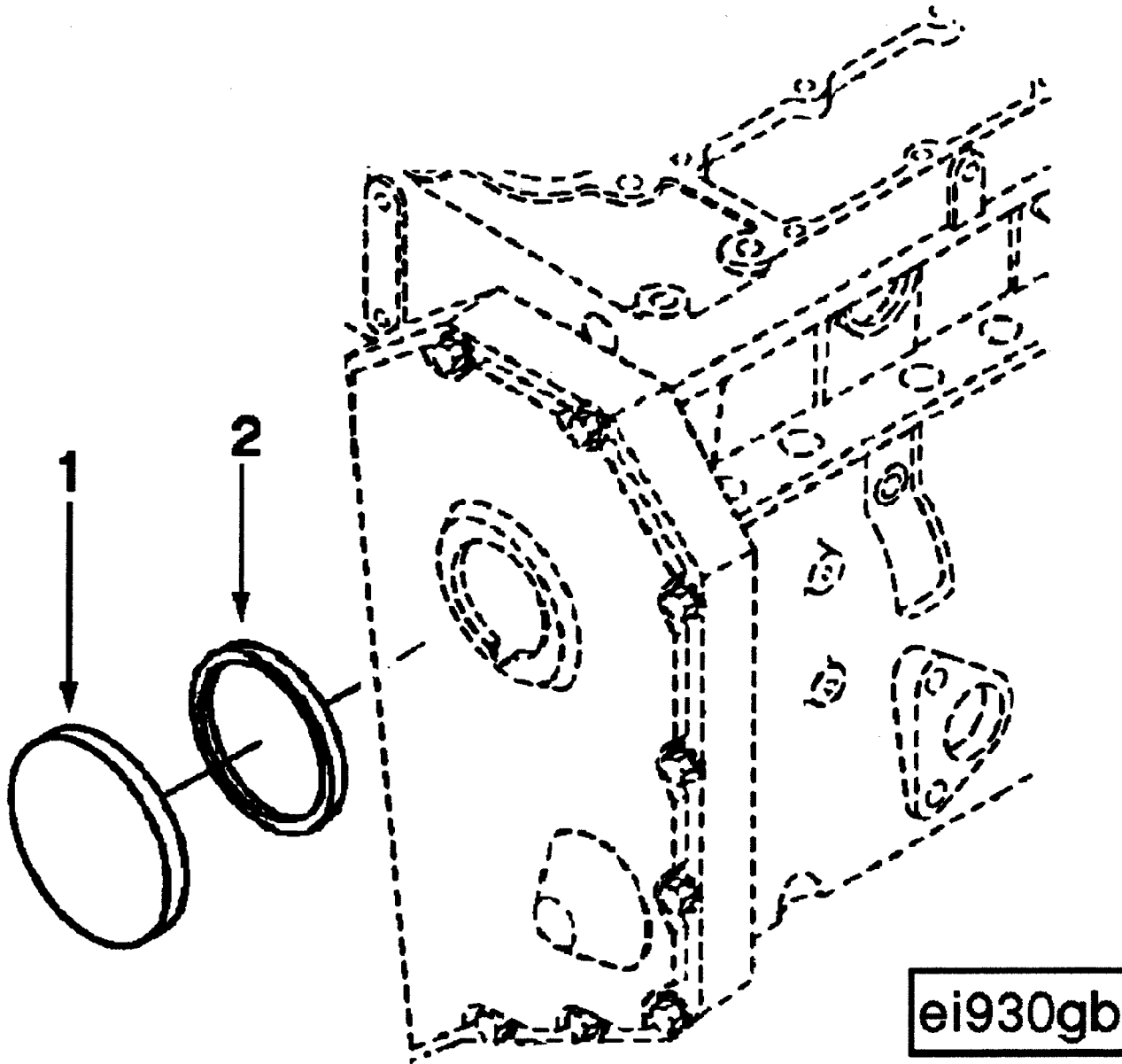




REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	EH9009	Alternator Location	1	Alternator Location Pulley Retainer Provided: Yes Alternator Pulley Provided: Yes Drive Hardware Supplier: Cummins Alternator Mount Type: 2" Spool Structure Code: 02 EBM Engine Family: B Series Alternator Manufacturer/Model : Delco Remy 15 SI DEP may use alternator support 3282404, capscrew 3914407 and nut 3902662 in place of alternator support 3923387 and nut 3908226.
1	3923387	Support, Alternator	1	
2	3900631	Screw, Hex Flange Head Cap	3	M8 x 1.25 x 25
3	3910715	Spacer, Mounting	1	
4	3901445	Screw, Hexagon Head Cap	1	M8 x 1.25 x 45
5	3903922	Brace, Alternator	1	
6	3908226	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 95
7	3902460	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 25
8	3908560	Pulley, Alternator	1	60mm dia
9	3908563	Retainer, Pulley	1	



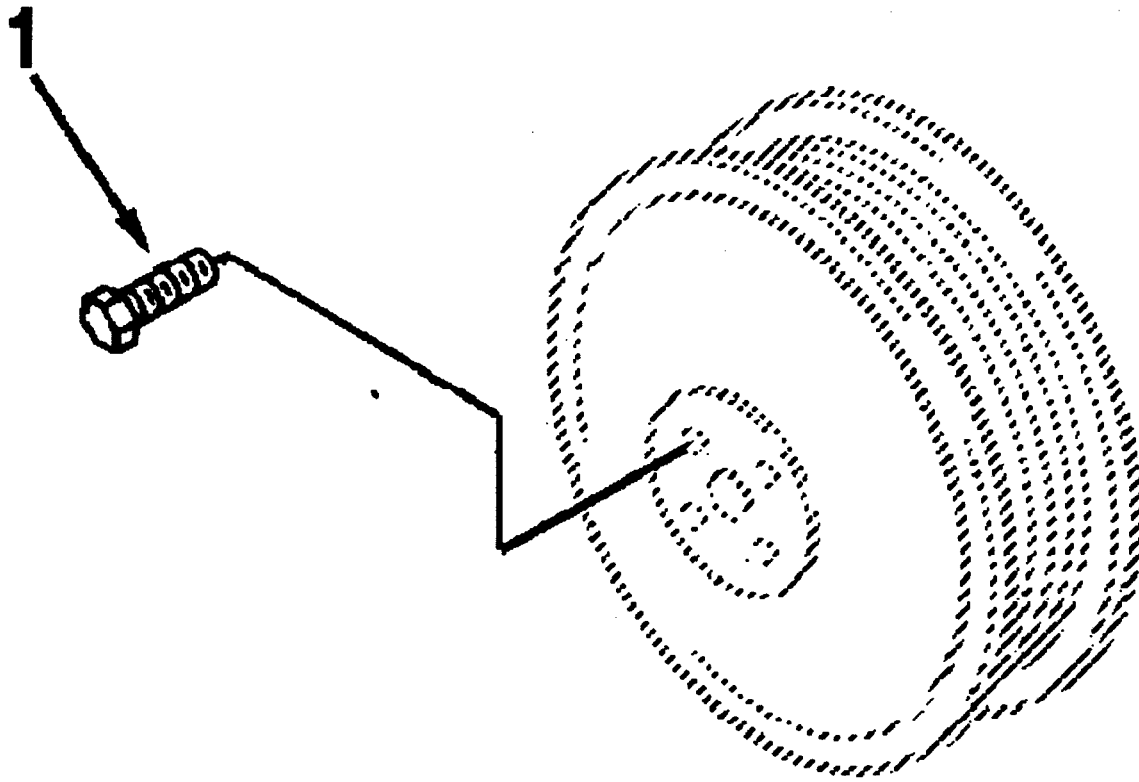
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	EH97034	Alternator Location	1	Alternator drive belt and items required to adjust belt . Used with Delco Remy 15SI, CS 130 part number  10479976, and Bosch K1 alternators and .87 to 1 fan drive ratio at 295.9mm  center arrangement. Belt tensioner mounted in low location. Use only with  hardened water pump pulley.
1	3903095	Screw, Flat Head Cap	2	M8 x 1.25 x 25
2	3904446	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 70
3	3911562	Belt, V Ribbed	1	
4	3918944	Tensioner, Belt	1	
5	3924604	Bracket, Belt Tensioner	1	



REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	EI9000	Mechanical Tach Drive	1	No content options. To provide accessory hole cover when no mechanical tach drive or front oil fill is is specified.
1	3903463	Cover, Access Hole	1	
2	3903475	Seal, Rectangular Ring	1	



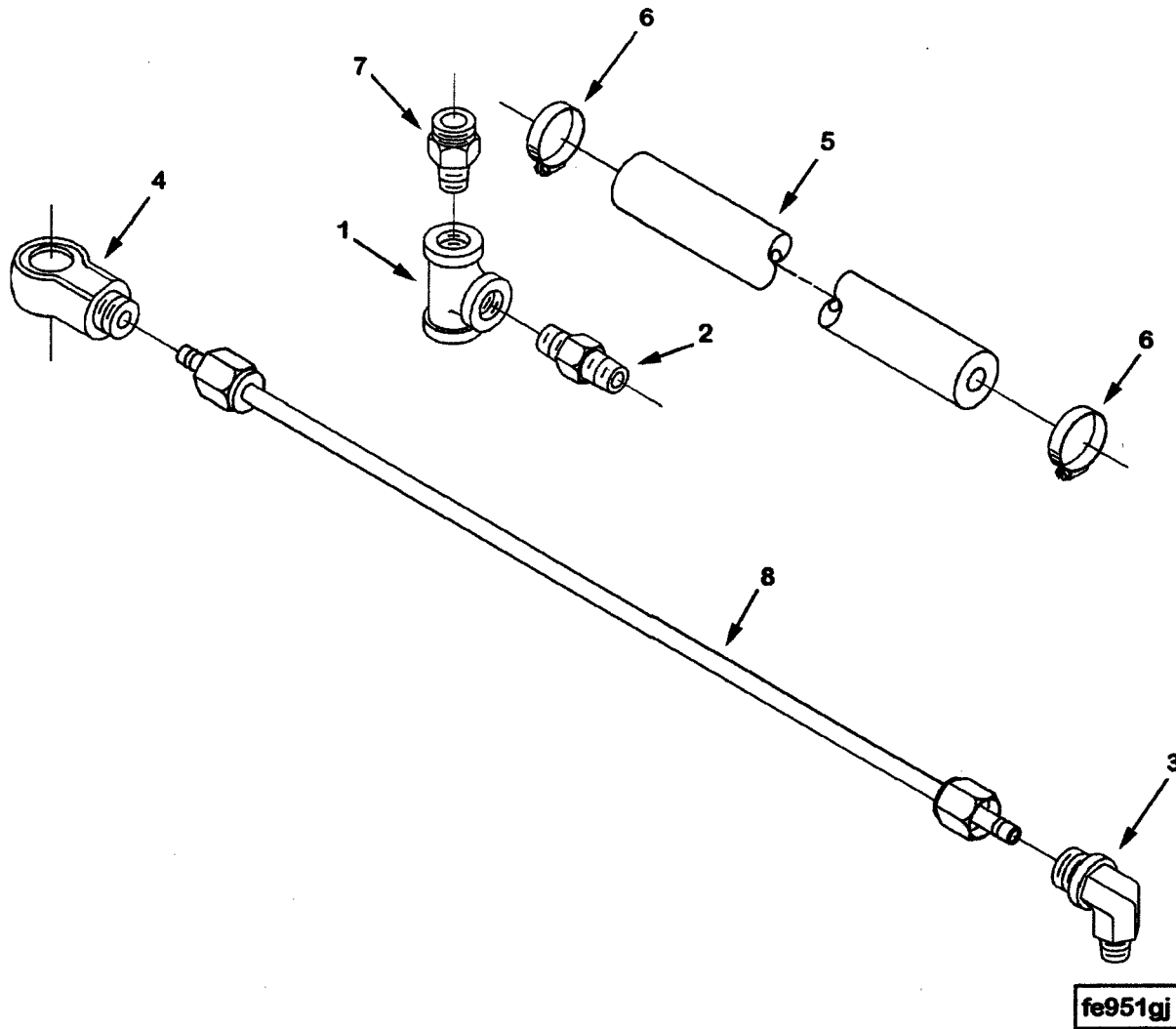
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FA9073	Fan Drive	1	Fan Drive Component Supplier: Cummins Fan Drive Ratio: 0.87: 1 Mounting Bolt Circle (MM): 60 Engine Fan Center (MM): 296.0 (11.65 IN) Horizontal Offset: 0.0 Unique Characteristics: Increased Fan Weight Capability Engine Family: B Series
1	3928873	Screw, Hex Flange Head Cap	4	
	3913433	Support, Fan	1	
2	3035960	Ring, Retaining	2	
3	3907769	Screw, Hexagon Head Cap	1	M10 x 1.75 x 70
4	3923044	Retainer, Fan Hub	1	
5	3910739	Bearing, Ball	1	
6	3911924	Hub, Fan	1	
7	3913434	Support, Fan	1	
8	3914461	Pulley, Fan	1	



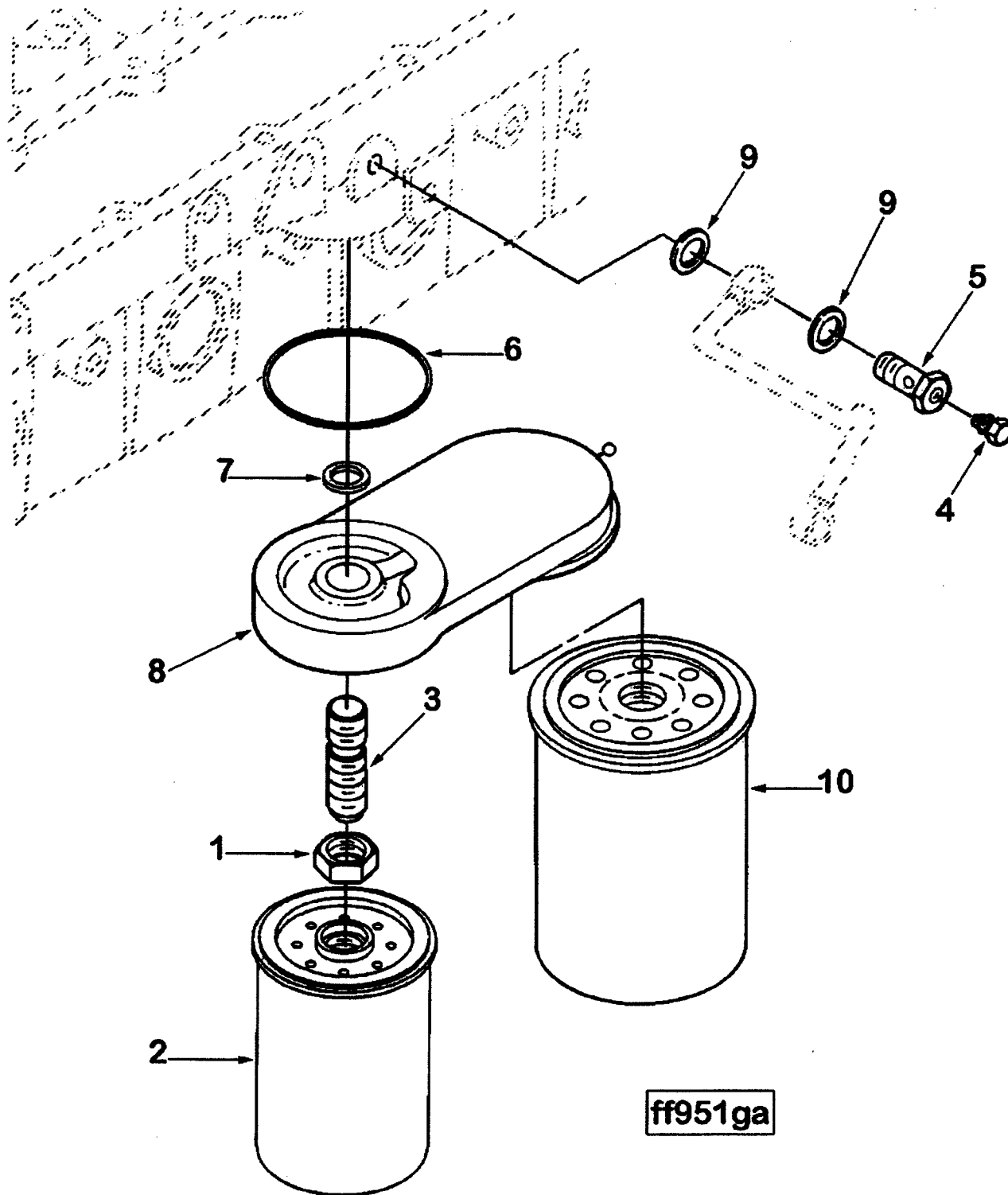
fa900gz



REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FA9706	Fan Drive	1	Fan Drive Mounting Required Bolt Circle (MM): 60 Installation Responsibility: Customer Fastener Length (MM): 20 Spacer Type: Clamping Plate Engine Family: B Series C Series
1	3903990	Screw, Hex Flange Head Cap	4	M10 x 1.50 x 20

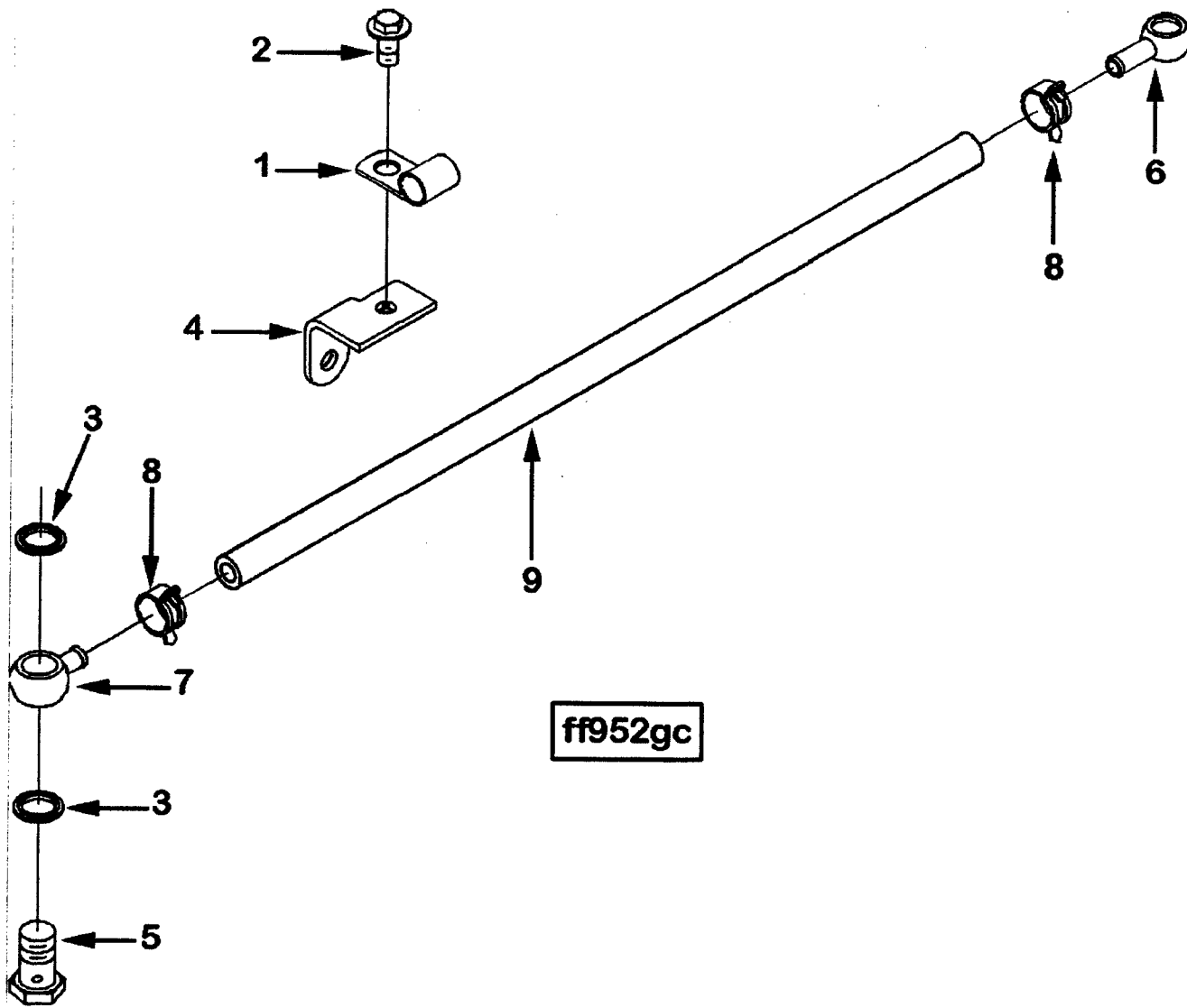


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FE9871	Air Fuel Control Plumbing	1	Air Fuel Control Plumbing Engine Family: B Series Aspiration: Jacket Water Aftercooled Fuel Pump Governor: RQVK Boost Control: Yes Turbo Exhaust Location: HMRO Turbocharger Type: Wastegate Air Heater Provision: Yes.
1	70802	Tee, Female Pipe	1	1/8 NPTF
2	139969	Nipple, Plain Hexagon	1	1/8 NPTF
3	3910265	Elbow, Male Adapter	1	1/8 NPTF x 7/16-24 (90)
4	3919644	Connector, Banjo	1	7/16-24 Thd(ext) x 12.9
5	3920194	Hose, Plain	1	
6	3920719	Clamp, Hose	2	
7	3920803	Connector, Male	1	1/8 NPTF x 7/16-24
8	3926743	Tube, Air Fuel Control	1	

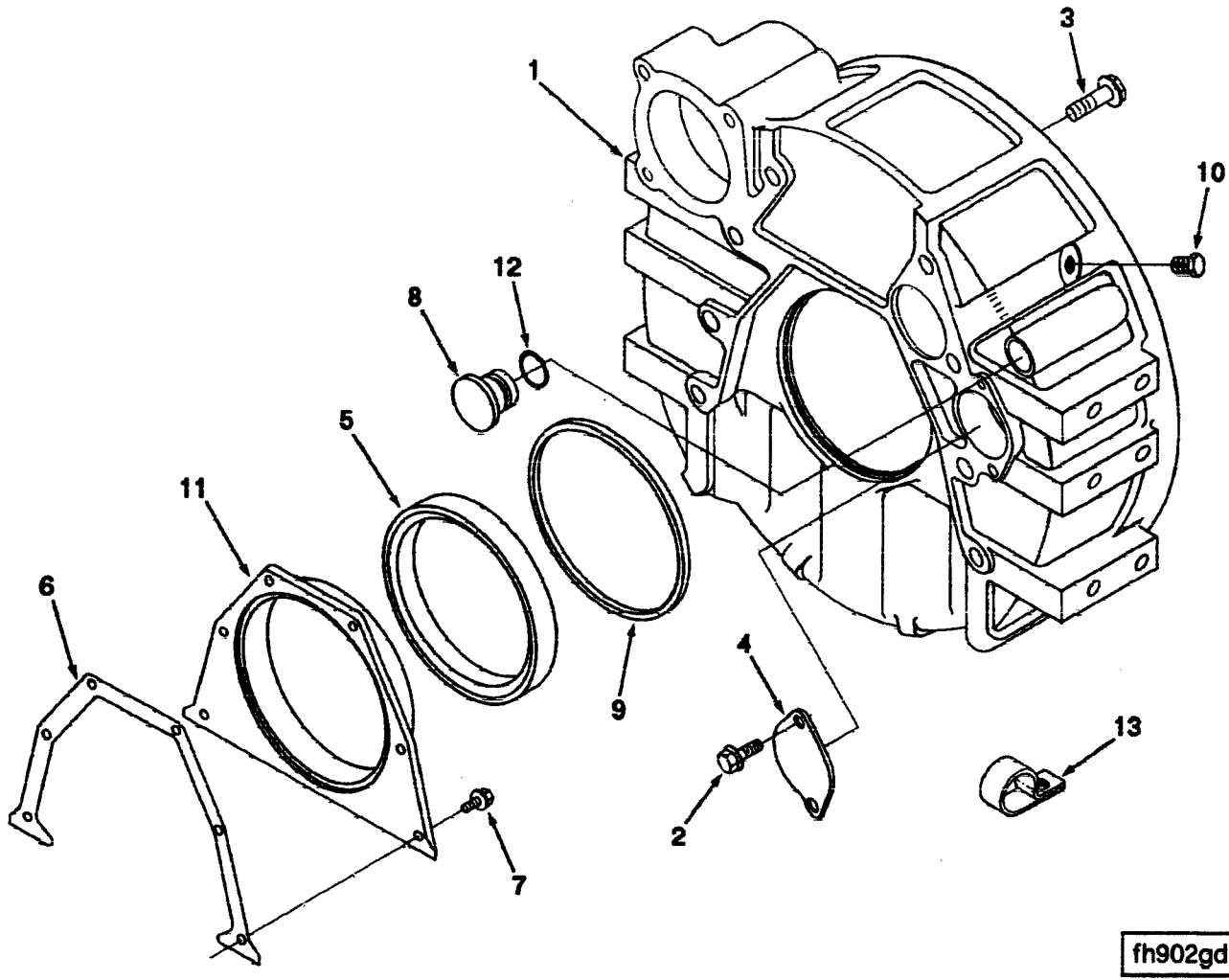


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FF9007	Fuel Filter	1	Fuel Filter Element Type: Dual Water Separator Provision: Yes Mounting Angularity: 40 degrees rearward Element Style: Spin on Installation Responsibility: Cummins Filter Location: #4 cylinder Absolute Filtration (microns): 25 Compatible with Lift Pump: Yes Air Heater Connection Provided: No Filter Inlet Diameter: 1/4in. Engine Family: B Series Engine Cylinders: 4 6 P/N 3903546 Seal O'Ring is interchangeable with P/N 3906694. P/N 3903846 Seal O'Ring is interchangeable with P/N 3906695. P/N 3904362 Fuel Filter Head is interchangeable with P/N 3915240.
1	3903293	Nut, Regular Hexagon Jam	1	
2	3903640*	Filter, Fuel	1	
3	3925955	Adapter, Filter Head	1	
	3905860	Screw, Banjo Connector	1	
4	(3905403)	Screw, Captive Washer Cap	1	
5	3911446	Screw, Banjo Connector	1	
6	3906694	Seal, Rectangular Ring	1	
7	3906695	Seal, Rectangular Ring	1	
	3915240	Head, Fuel Filter	1	
8	(3915238)	Head, Fuel Filter	1	
9	3918191	Washer, Sealing	2	
10	3930942*	Filter, Fuel	1	

\*NOTE: ITEM 2 IS CEDARAPIDS PART NO. 45930-001-10-04.  
ITEM 10 IS CEDARAPIDS PART NO. 45930-001-10-03.



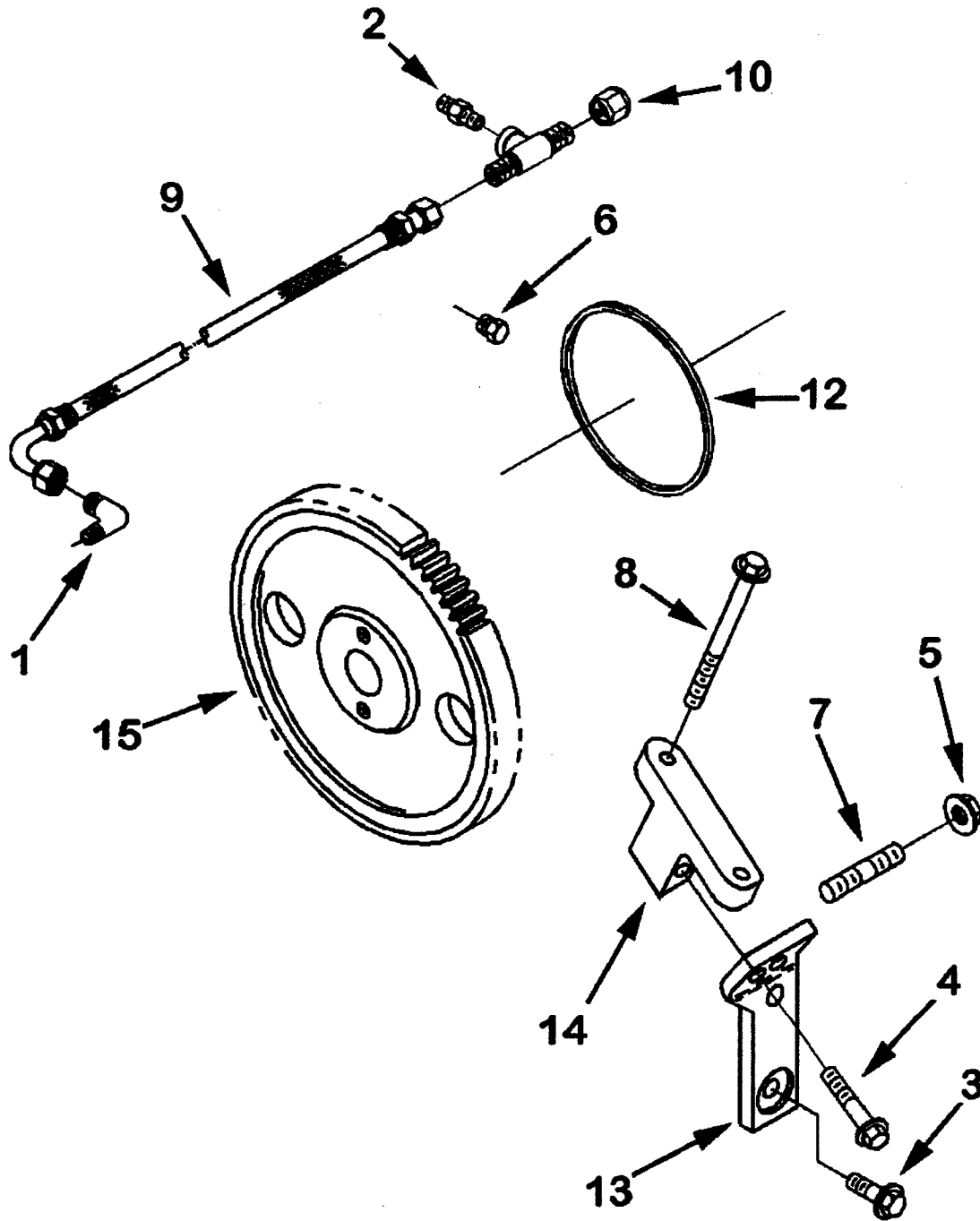
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FF9770	Fuel Filter Plumbing	1	Fuel Filter Plumbing Family: B Series Pump Mfg/Model: Bosch P7100 Heater/Spacer Provision: No Tube Material: Steel Boost Control Provision: Without Mounting Location: Fuel Pump Side Structure Code: 02 EBM Cylinders: 4
1	68152	Clip	1	
2	3900629	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 16
3	3918192	Washer, Sealing	2	14MM
4	3921333	Brace, Tube	1	
5	3924725	Screw, Banjo Connector	1	M14 x 1.50 x 26
6	3903315	Connector, Banjo	1	
7	3911447	Connector, Banjo	1	
8	3923527	Clamp, Hose	2	
9	3929785	Hose, Plain	1	



fh902gd

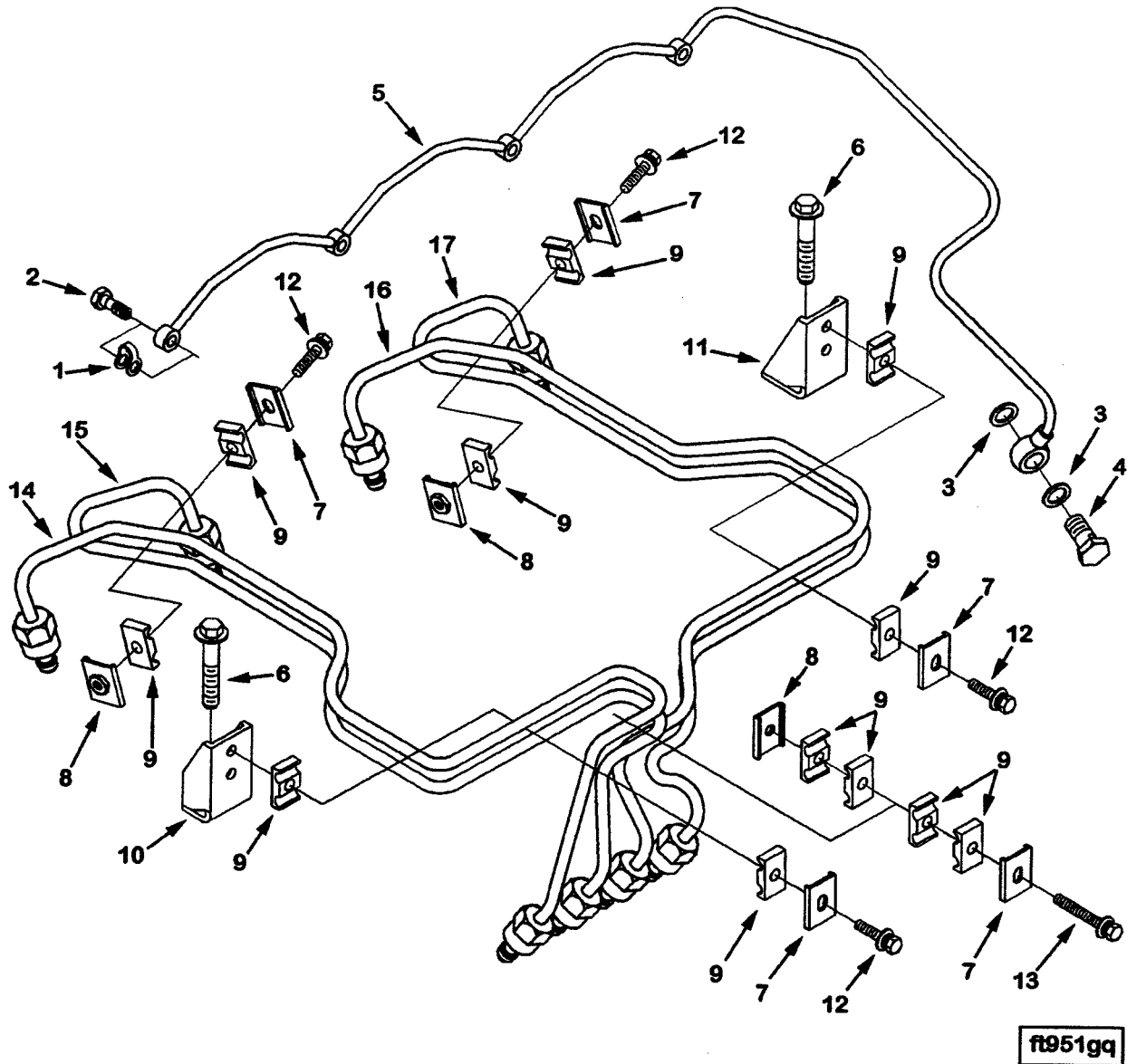


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FH9002	Flywheel Housing	1	Flywheel Housing Wet/Dry Clutch: Dry Housing Material: Aluminum SAE Size or Type: SAE 3 Starter Mount SAE: SAE #1 - 3 Bolt 90 Degree Starter Pad Offset From RFOB (MM): 0.00 Starter Mounting Hole Diameter (MM): 88.9 Mount Type: Pad Engine Mounting Hole Dimension: M12 x 1.75-6H # Mount Holes: 12 Engine Mount Top Hole +/-CR C/L (MM): 82.5 Tach Sensor Location: 4th Tach Size: 3/4 - 16 UNF Tach Count: 1 Trans MT Holes Count/Thread: 12 - M10 x 1.5 x 25 Starter Bore Angle (Deg): 47 Starter Center Distance: 216.407 Engine Family: B Series Not to be used with low mount rear out turbo locations.
1	3931627	Housing, Flywheel	1	
2	3912072	Screw, Self Tapping Metal	2	M8 x 1.25 x 15
3	3920447	Screw, Hex Flange Head Cap	8	M12 x 1.75 x 40
4	3925234	Plate, Cover	1	
	3909410	Rear Crank Seal Serv. Kit	1	Includes Installation Tools
5	(3921265)	Seal, Oil	1	
6	3928493	Gasket, Rear Cover	1	
7	3913638	Screw, Hex Flange Head Cap	6	M6 x 1.00 x 16
8	3910248	Plug, O Ring	1	
9	3912473	Seal, Rectangular Ring	1	
10	3904181	Plug, Threaded	1	3/4 - 16 UNF
11	3921043	Cover, Rear	1	
12	3910260	Seal, O Ring	1	
13	3928989	Clip	1	

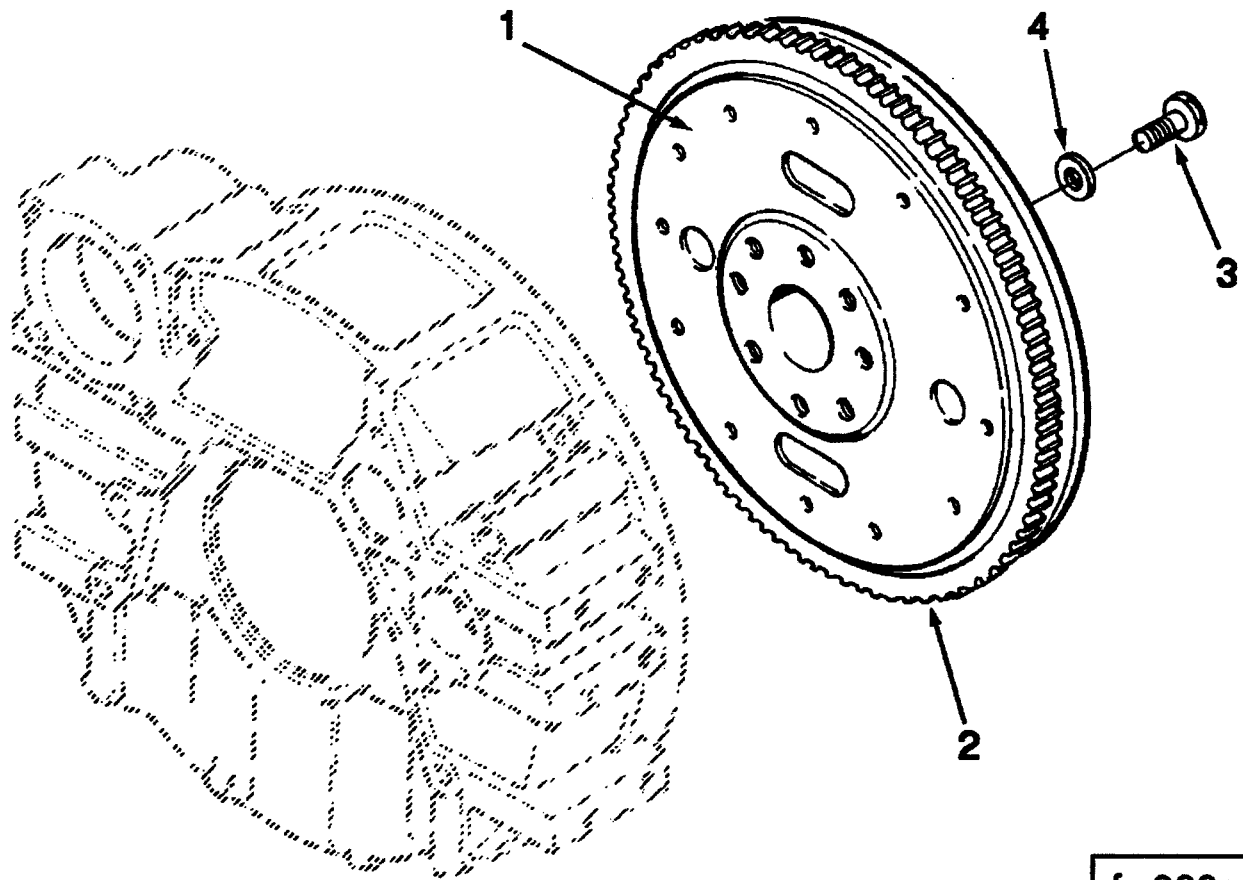


fp951gu

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FP97916	Fuel Pump Coupling	1	Fuel Pump Coupling Engine Family: B Series Governor Type: RSV Air Compressor Support @ 185mm from FFOB: Yes Fuel Pump Supports Provided: Yes Boost Control Provision: Yes Engine Cylinders: 4 Structure Code: 02 EBM Fuel Pump Mfg/Model: Bosch P3000 Aspiration: Jacket Water Aftercooled DEP may substitute 3282371 for 3907978.
1	68139	Elbow, Male Adapter	1	1/8 NPTF x 7/16-20 (90)
2	139969	Nipple, Plain Hexagon	1	1/8 NPTF (Both Ends)
3	3900630	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 20
4	3901445	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 45
5	3902662	Nut, Hexagon Flange	4	M10 x 1.50
6	3906619	Plug, Pipe	1	1/8 NPT
7	3907978	Stud	4	M10 x 1.50(Both Ends) x 50
8	3913366	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 90
9	3918536	Hose, Flexible	1	
10	3921556	Cap, Tube	1	
11	3924346	Tee, Female Branch	1	
12	3924605	Seal, Rectangular Ring	1	
13	3928408	Brace, Fuel Pump	1	
14	3930924	Brace, Fuel Pump	1	
15	3931382	Gear, Fuel Pump	1	

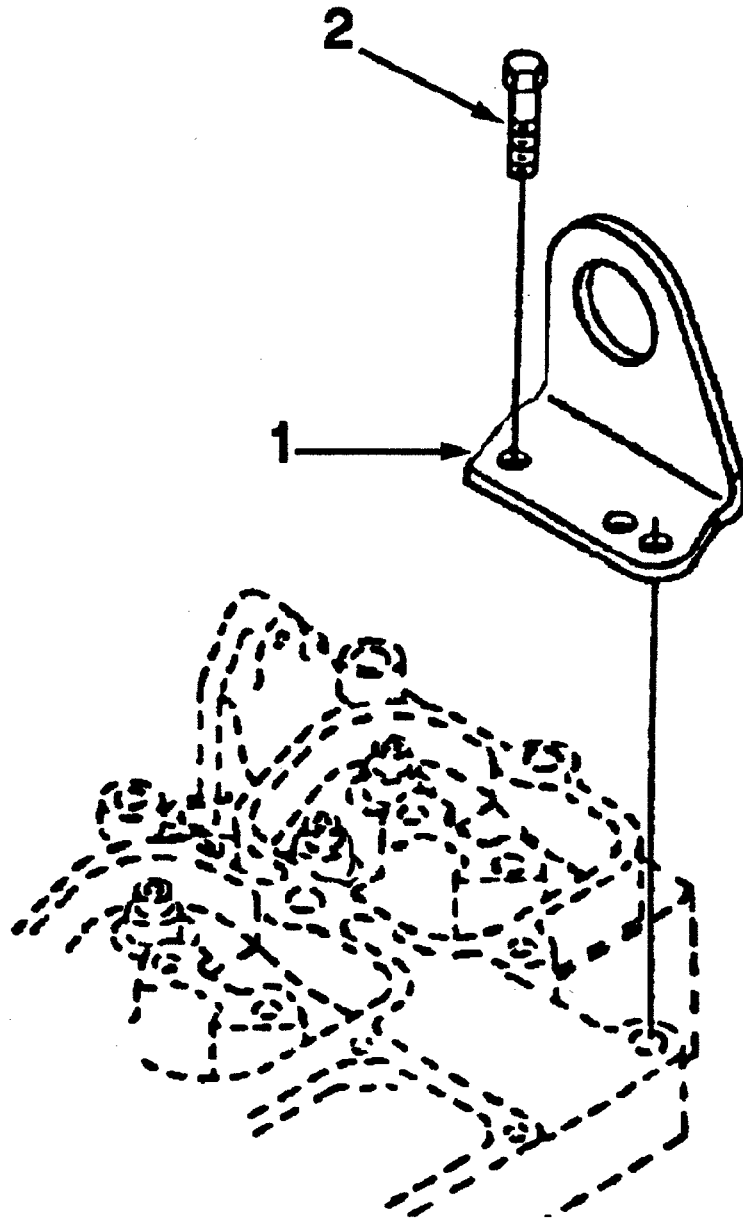


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FT9968	Fuel Plumbing	1	Fuel Plumbing Engine Family: B Series Engine Cylinders: 4 High Pressure Tube ID.: 1.8 Fuel Pump Governor: RSV Boost Control: With Restricted Aspiration: Jacket Water Aftercooled Turbocharged Fuel Pump Manufacturer/Model: Bosch P3000 Material: UBRID-B 6.2MM
1	3903380	Seal, Banjo Connector	4	
2	3905307	Screw, Banjo Connector	4	M6 x 1.00 x 14.3MM
3	3918188	Washer, Sealing	2	
4	3924726	Valve, Check	1	M8 x 1.25 x 17.5
5	3929558	Manifold, Fuel	1	
6	3930837	Screw, Hex Flange Head Cap	4	M8 x 1.25 x 50
7	3904711	Brace, Tube	5	
8	3917717	Brace, Tube	3	
9	3917746	Isolator, Vibration	12	
10	(3917777)	Brace, Tube	1	
11	3919086	Brace, Tube	1	
12	3920854	Screw, Captive Washer Cap	4	M5 x 0.8 x 24.5
13	3920855	Screw, Captive Washer Cap	1	M5 x 0.8 x 35
14	(3932388)*	Tube, Injector Fuel Supply	1	
15	(3932389)*	Tube, Injector Fuel Supply	1	
16	(3932390)*	Tube, Injector Fuel Supply	1	
17	(3932391)*	Tube, Injector Fuel Supply	1	



fw900gm

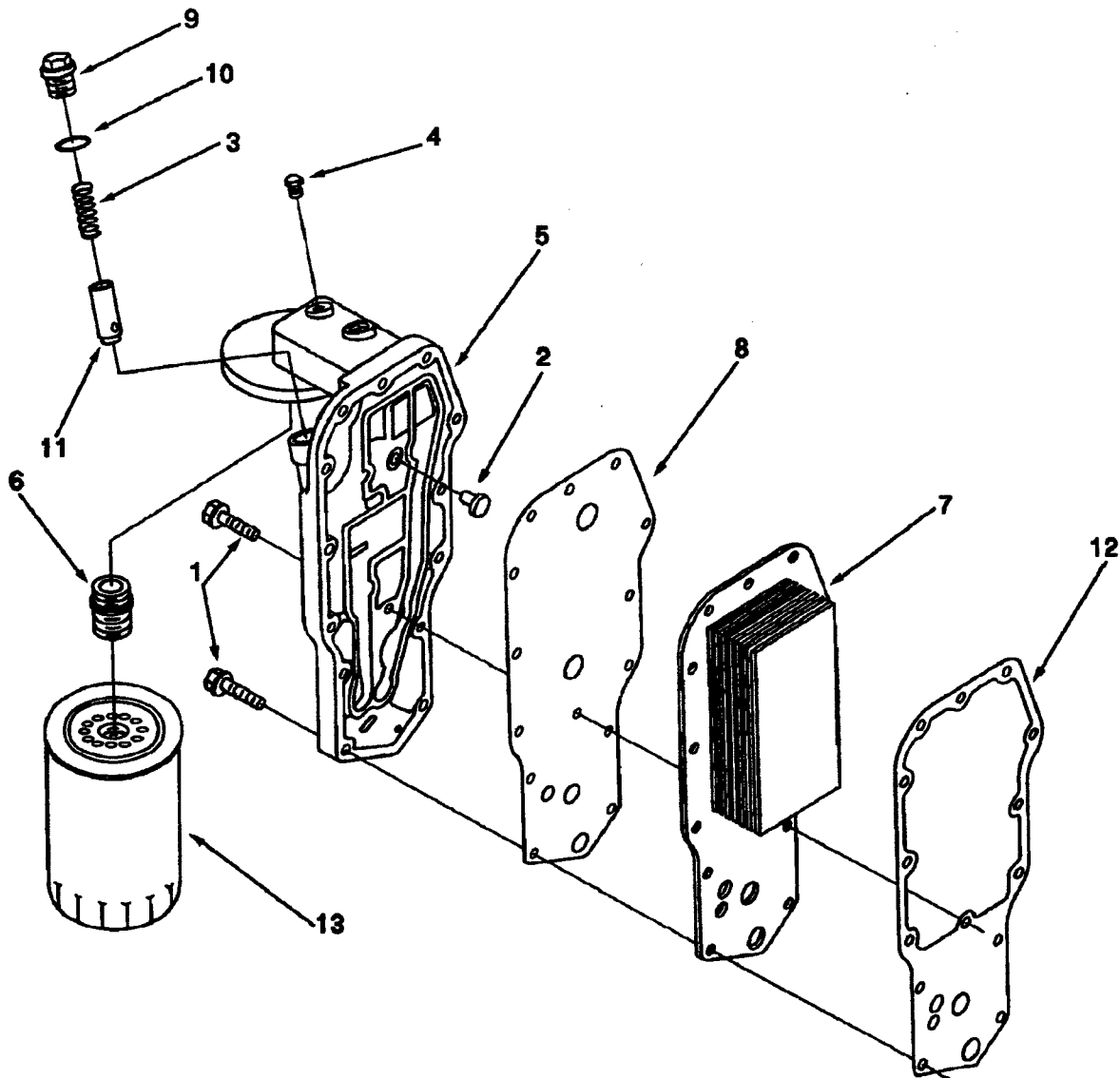
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FW9017	Flywheel	1	Flywheel Type: Flywheel Housing SAE Size or Type: SAE 3 Intended Drive Hardware: 10" & 11 1/2" OC Clutch Material Specification: 40, 001 Ring Gear Pitch: 10/12 Ring Gear Tooth Count: 159 Crank Flange To Ring Gear Leading Edge (MM): 16.71 Maximum RPM: 2940 Clutch Bore Dia. (MM): 71.973 Clutch Mounting Bolt Circle (MM): 333.38 Clutch Mounting Hole Count: 16 Clutch Mounting Hole Spacing: Equal Clutch Mounting Hole Nomenclature: 3/8-16 UNC-2B Moment of Inertia (KG/M2): 0.56 Structure Code: 02 EBM Required Starter Center Distance (MM): 216.40 Applicable Engine Families: B Series Multiple Clutch Face Bolt Circle
	3914432	Flywheel	1	
1	(3914431)	Flywheel	1	
2	3901774	Gear, Flywheel Ring	1	
3	3901395	Screw, Hexagon Head Cap	8	M12 x 1.25 x 32
4	3900269	Washer, Plain	8	M12



la900gc



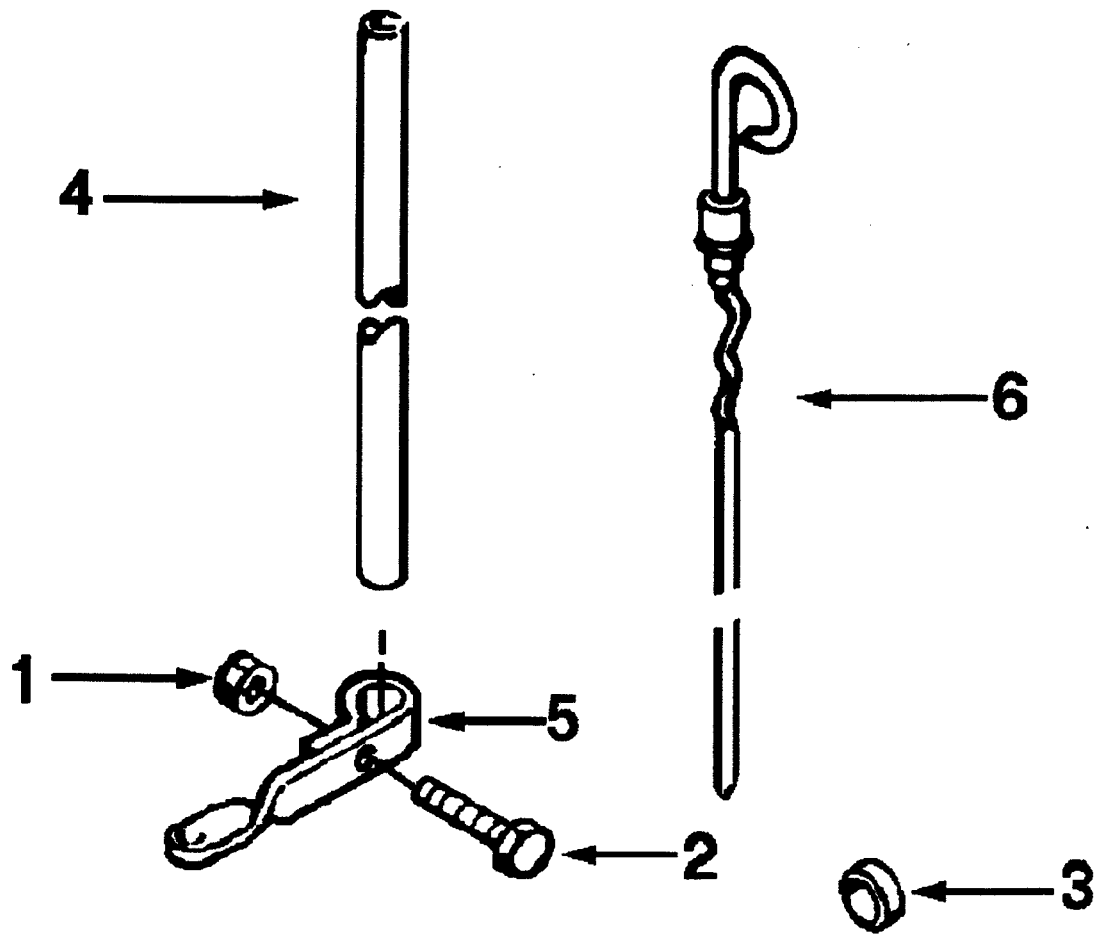
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	LA9007	Lifting Bracket	1	Lifting Bracket Structure Code: 02 EBM Engine Family: B Series Capscrew Length: 30MM Allows For Intake Trunking: No Max Lifting Load (Lbs.): 2000 Bracket Pre-Painted: No Bracket(s) Provided: Front And Rear 3281012 is an acceptable substitution for  3908118 at DEP. Neuss will use 25mm mounting capscrews.
1	3908118	Bracket, Lifting	1	
2	3910495	Screw, Hexagon Head Cap	2	M12 x 1.75 x 30



lc900gk

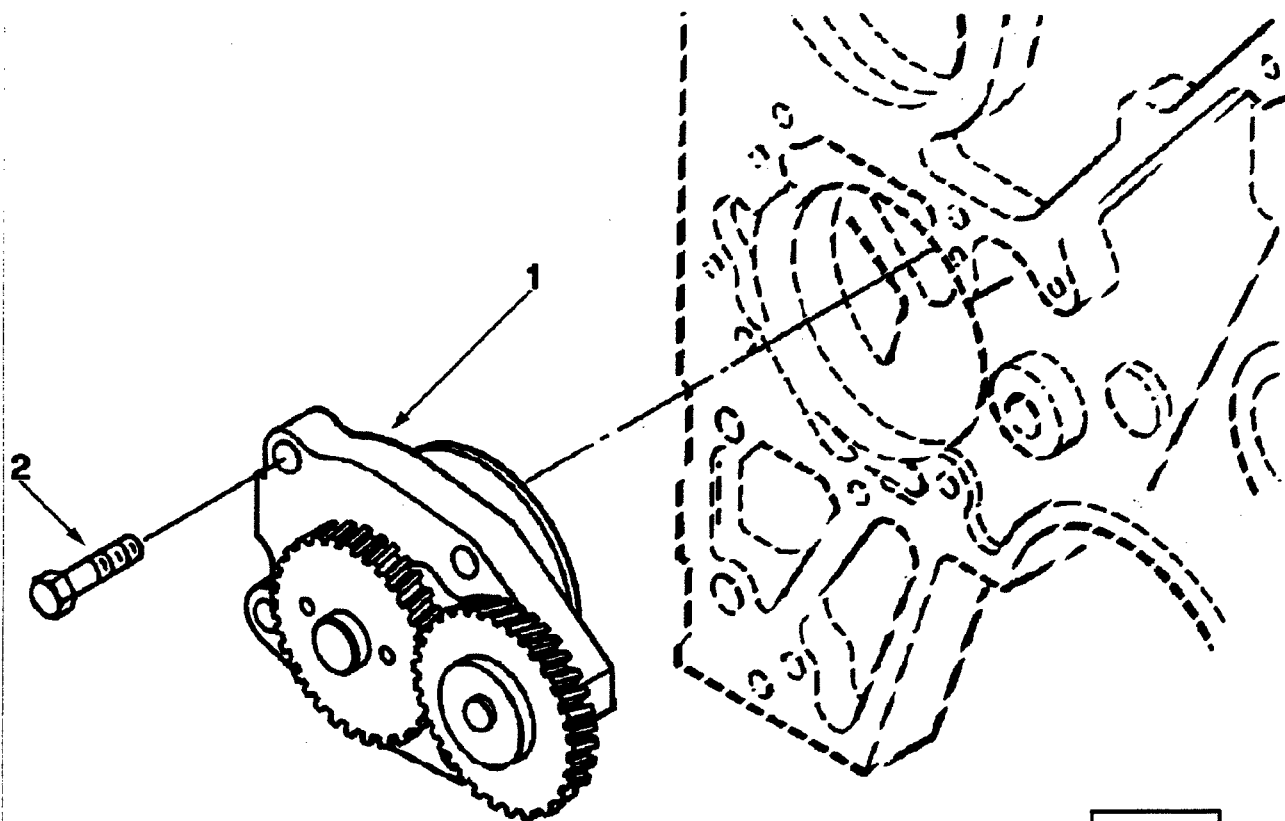
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	LC9018	Lubricating Oil Cooler	1	Cooler, Engine Oil Engine Cylinders: 4 Oil Cooler Type: Plate Engine Aspiration: T/A Oil Filter Position: Vertical Interferes With Certain Alternators: No No Filter Head Mounting Location: Exhaust Pressure Relief Valve Setting: 65 PSI Requires Chief Engineers Approval: No Requires Oil Filter Slave: No M8 x 1.25 x 35
1	3900632	Screw, Hex Flange Head Cap	14	
2	3927622	Valve, Bypass	1	
3	3925009	Spring, Compression	1	
4	3906619	Plug, Pipe	1	1/8 NPT
	3918954	Head, Lub Oil Filter	1	
5	3924338	Head, Lub Oil Filter	1	
6	3909355	Adapter, Filter Head	1	
7	3921557	Core, Cooler	1	
8	3918257	Gasket, Filter Head	1	
9	3915787	Plug, Threaded	1	M22 x 1.50
10	3909397	Seal, O Ring	1	
11	3918428	Plunger, Prs Regulator	1	
12	3918256	Gasket, Oil Cooler Core	1	
13	3908616 *	Cartridge, Lub Oil Filter	1	

\*NOTE: ITEM 13 IS CEDARAPIDS PART NO. 45930-001-10-02.



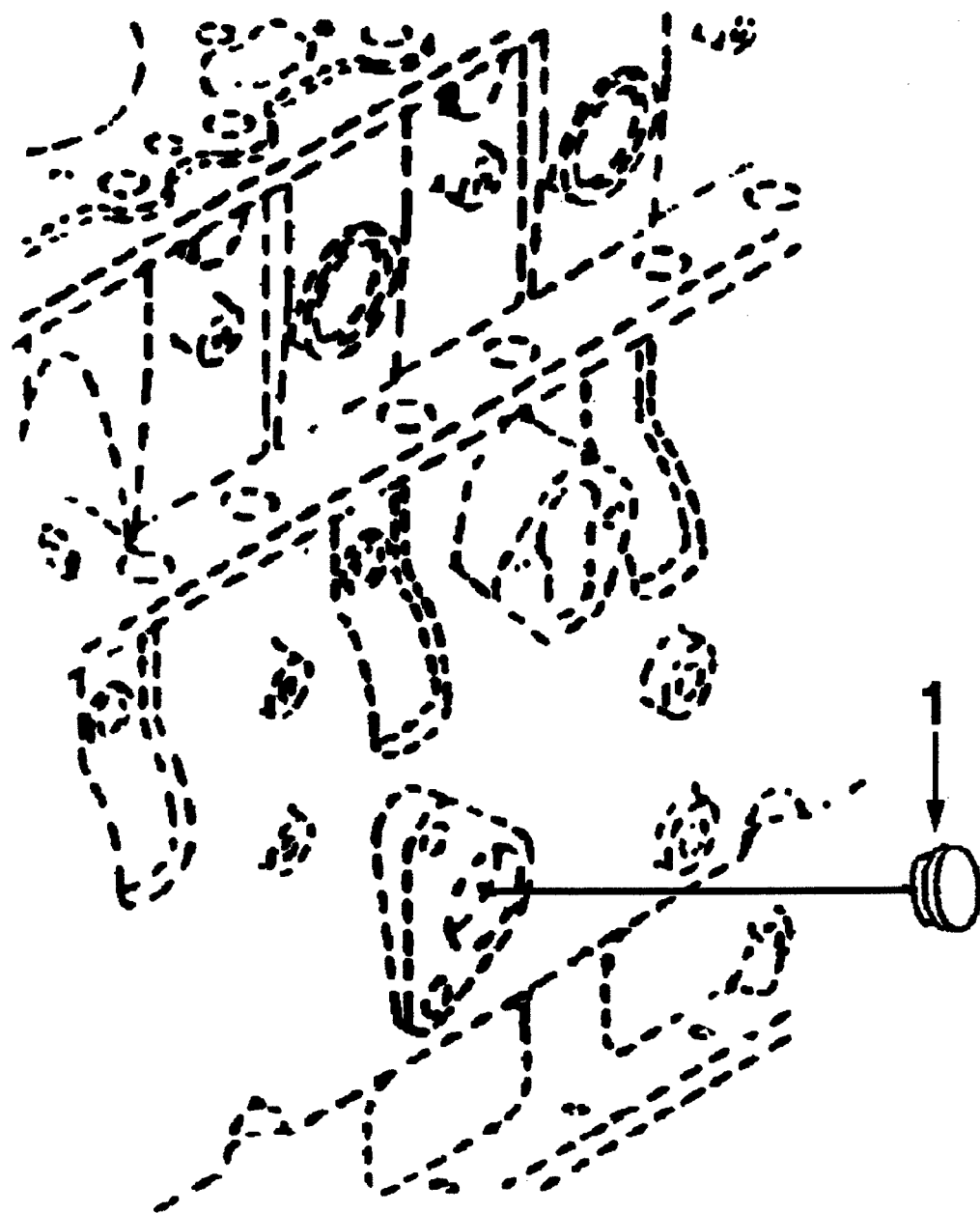
lg910gl

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	LG9003	Oil Level Gauge	1	557.2MM flexible oil gauge tube with 65MM dipstick handle located on fuel pump side of engine at rear valve cover for rear removal for use with rear rear sump oil pan. Tube enters block at 408MM from flob. Dipstick is calibrated for "0" degree power angle and "0" degree tilt. UK manufacturing may use 3279238 as a replacement for 3922886.
1	3900240	Nut, Regular Hexagon	1	
2	3900629	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 16
3	3900955	Plug, Expansion	1	
4	3918384	Tube, Oil Gauge	1	
5	3905804	Brace, Tube	1	
6	3907708	Dipstick	1	



lp930ga

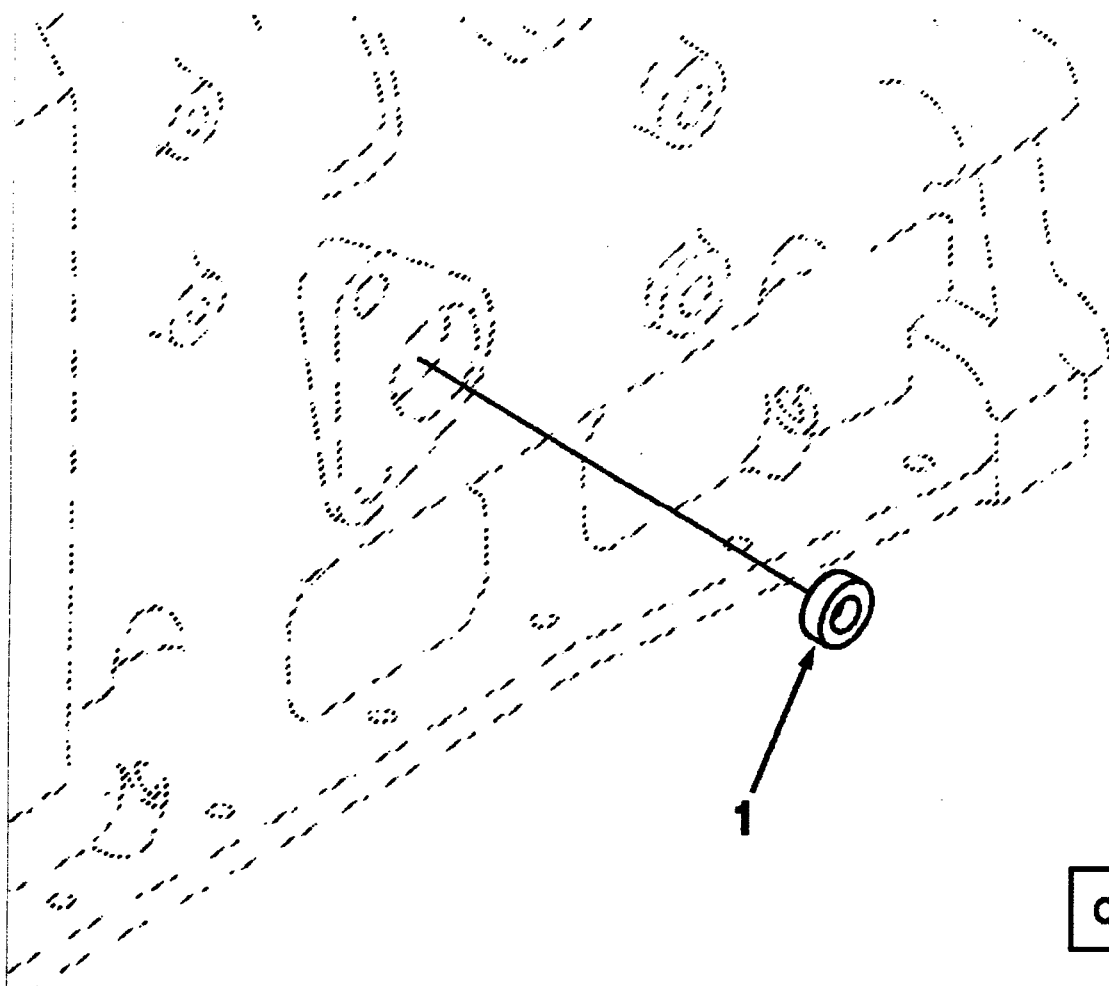
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	LP9005	Lubricating Oil Pump	1	Lubricating Oil Pump Pump Flow Rate (GPM @ RPM): 14.6 @ 2400 Engine Family: B Seriesz Engine Cylinders: 3 4
1	3930336	Pump, Lubricating Oil	1	
2	3900677	Screw, Hexagon Head Cap	4	M8 x 1.25 x 30



ob900gk

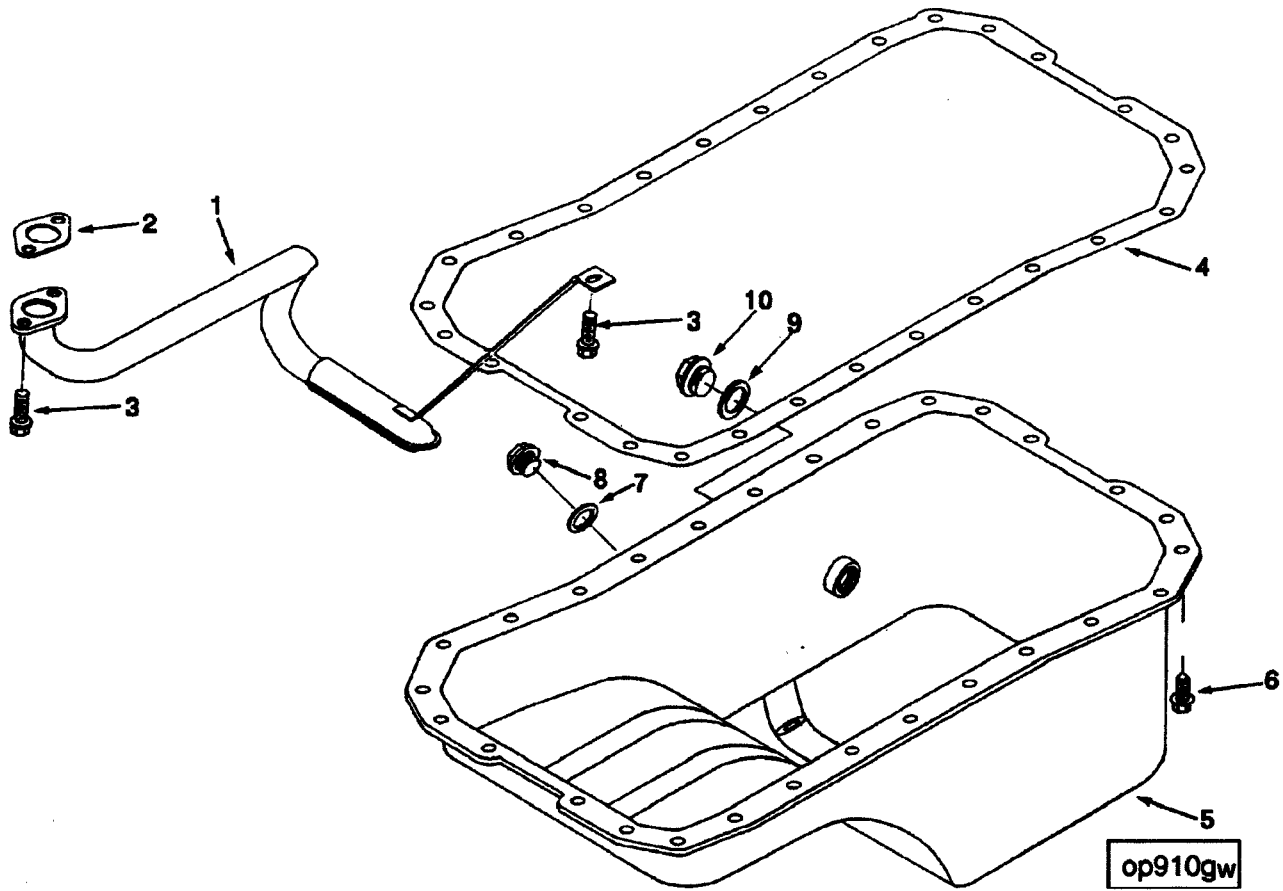


<u>REF NO</u>	<u>PART NUMBER</u>	<u>PART NAME</u>	<u>REQ</u>	<u>REMARKS</u>
	OB9000	Cylinder Block Cover	1	Plug for use when no side oil is specified.
1	3905369	Plug, Expansion	1	

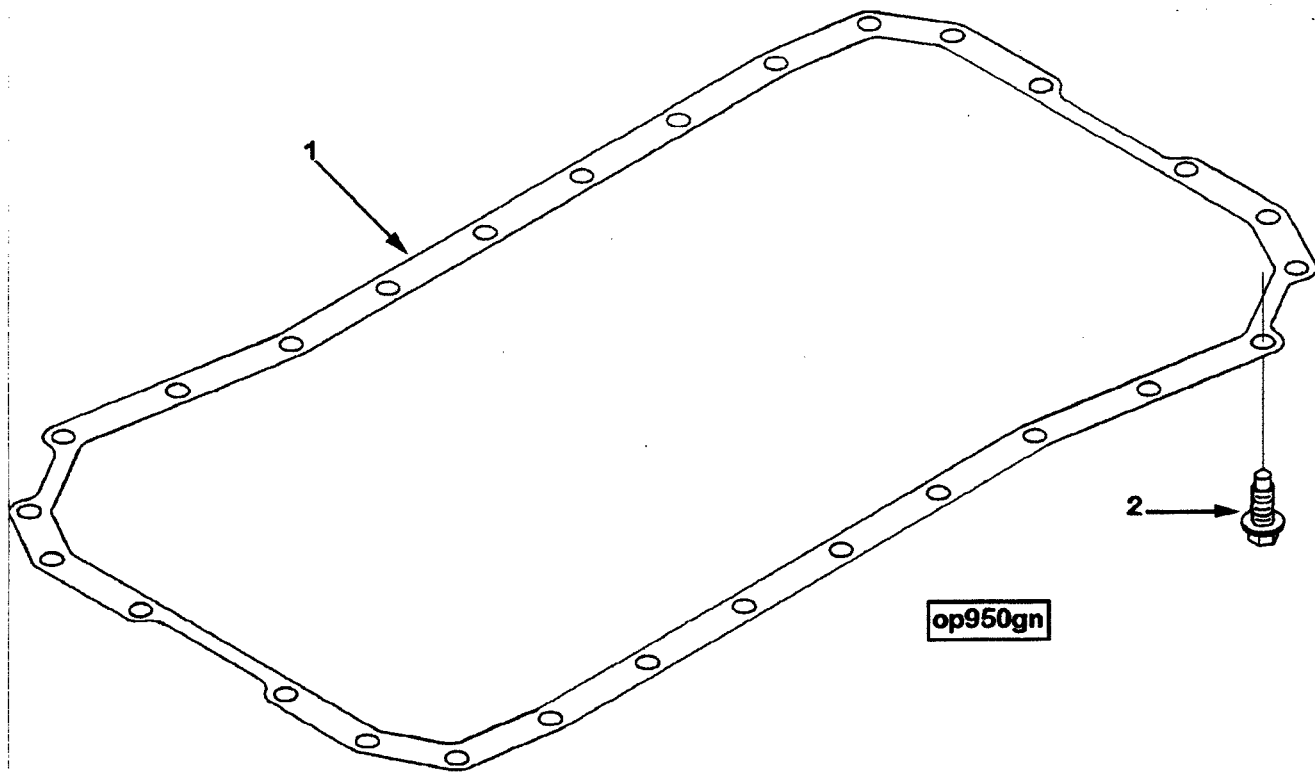


ob900gc

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	OB9704	Cylinder Block Cover	1	Cylinder Block Cover Adapter Structure Language: 02 EBM Oil Fill Location: Front Gear Cover Air Compressor Support Provided: No CPR Rear Support Location: None
1	3900958	Plug, Expansion	1	32.03mm



REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	OP9004	Oil Pan	1	Oil Pan For Use on 4 Cylinder B-Series Engines Sump Type: Standard Sump Location: Rear Material: Stamped Steel Drain Location: Exhaust Side Heater Hole Size/Loc.: 22 mm Exhaust Side Oil Capacity High: 10 Qts. Oil Capacity Low: 8 Qts. Angularity Limit: 45 Degrees - All Directions DEP may substitute 3281626 capscrew in place of 3920400.
1	3905206	Connection, Oil Suction	1	
2	3914383	Gasket, Flange	1	
3	3900629	Screw, Hex Flange Head Cap	3	M8 x 1.25 x 16
4	3911535	Gasket, Oil Pan	1	
5	3901049	Pan, Oil	1	
6	3920400	Screw, Hex Flange Head Cap	28	
7	3920773	Washer, Sealing	1	
8	3911638	Plug, Threaded	1	M18 x 1.50
9	3902425	Washer, Sealing	1	
10	3904386	Plug, Threaded	1	M22 x 1.50 x 14

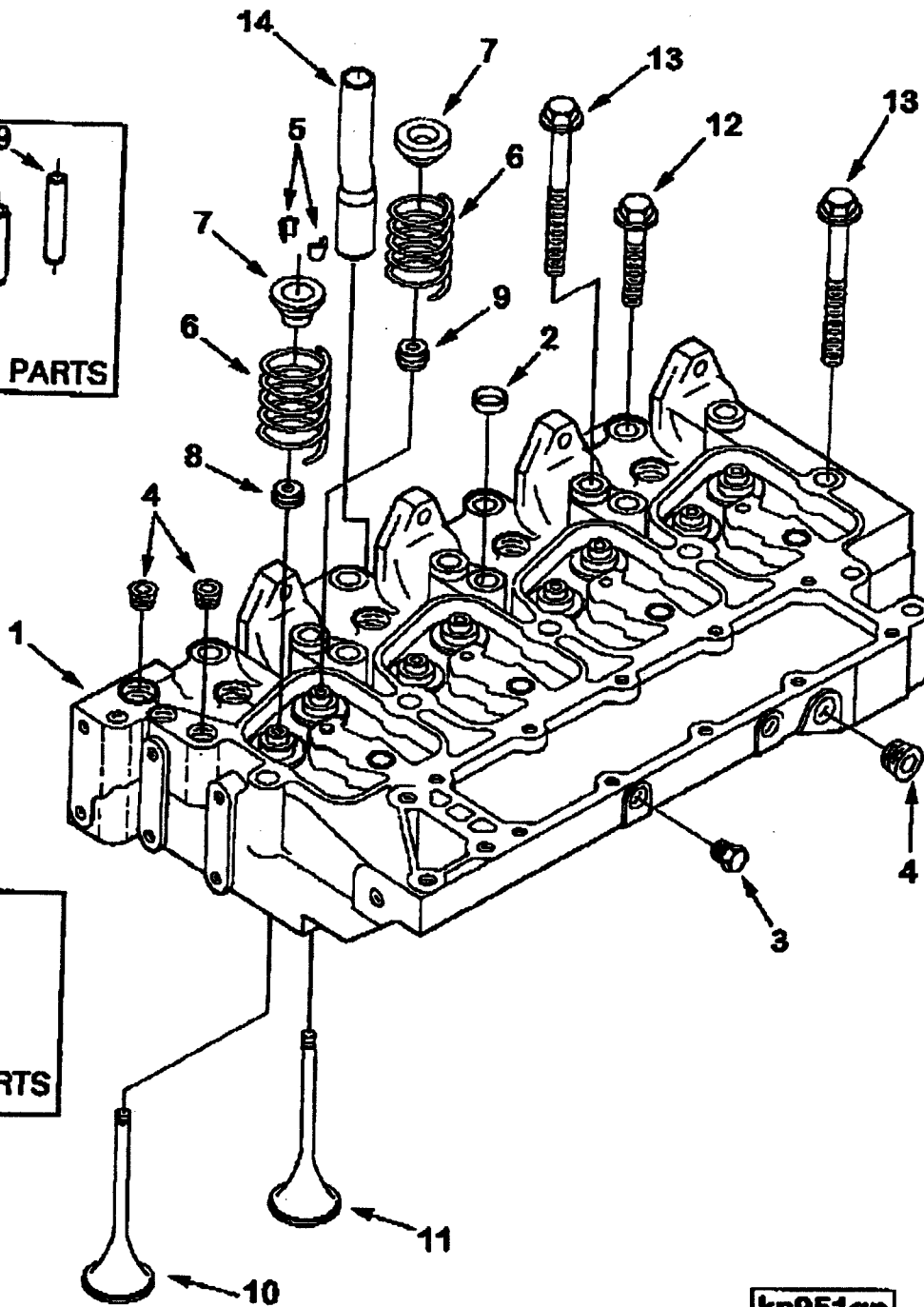
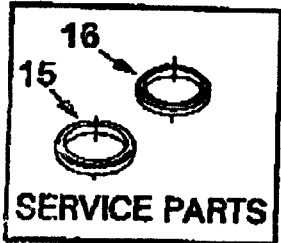
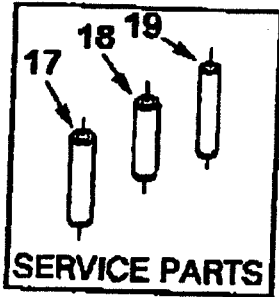


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	OP9704	Oil Pan	1	Oil Pan Mounting Engine Family: B Series Cylinders: 4 Bedplate Capability: Without Required Oil Pan Material: Stamped Steel Structure Code: 02 EBM
1	3931602	Gasket, Oil Pan	1	
2	3920400	Screw, Hex Flange Head Cap	28	M8 x 1.25 x 21

Group No. 02.01

Cylinder Head

Option No. PP97173



kn951gn

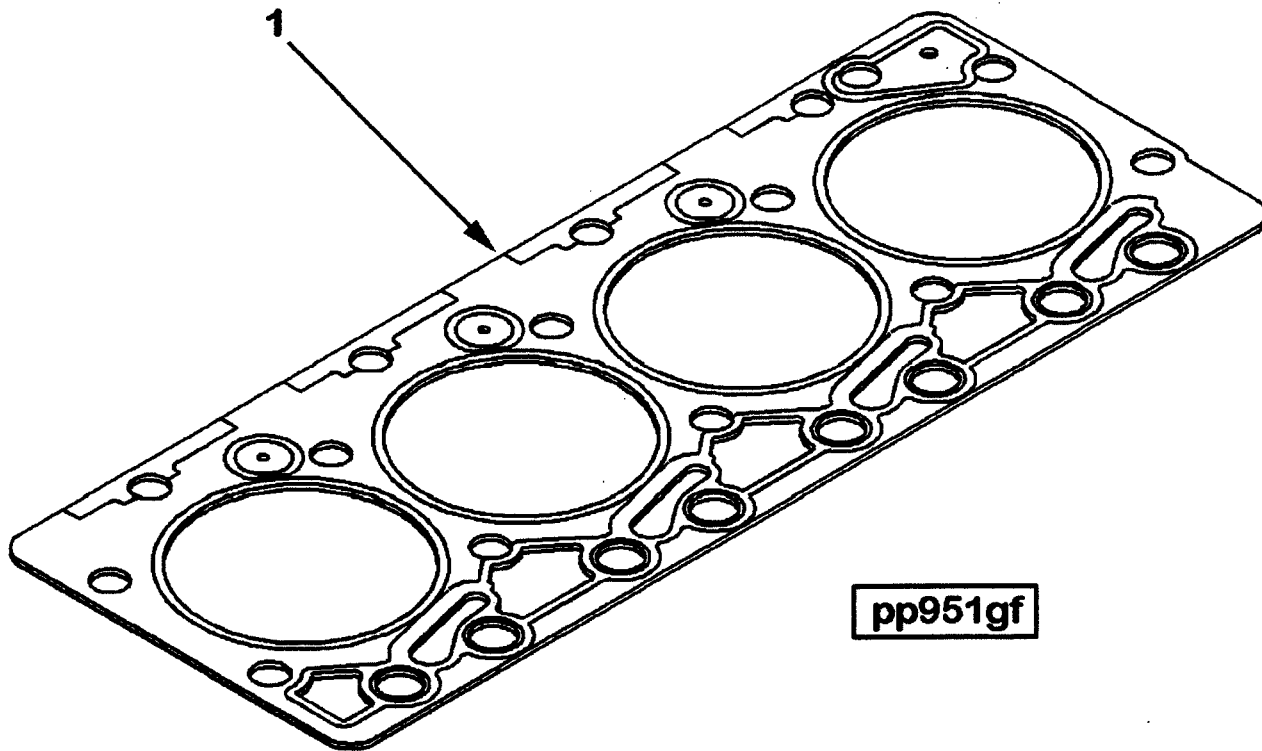


Group No. 02.01

Cylinder Head

Option No. PP97173

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	PP97173	Cylinder Head	1	Head, cylinder Engine family: "B" Series Cylinders: 4 swirl: Low exhaust spring PSI: 36 cylinder head material: Standard Exhaust manifold type: Dry Aspiration: Jwac.
	3930232	Head, Cylinder	1	
1	(3929796)	Head, Cylinder	1	
2	3922073	Plug, Expansion	3	
3	3906619	Plug, Pipe	2	1/8 NPT
4	3008468	Plug, Pipe	5	1/2 NPT
	3802355	Valve, Intake	4	
10	(3920867)	Valve, Intake	4	
5	3900250	Collet, Valve	8	
	3802356	Valve, Exhaust	4	
11	(3920868)	Valve, Exhaust	4	
5	3900250	Collet, Valve	8	
6	3926700	Spring, Valve	8	
7	3900299	Retainer, Valve Spring	8	
8	3901097	Seal, Valve Stem	4	
9	3921640	Seal, Valve Stem	4	
12	3920779	Screw, Hex Flange Head Cap	4	M12 x 1.75 x 70
13	3920780	Screw, Hex Flange Head Cap	10	M12 x 1.75 x 120
14	3929782	Tube, Aftercooler	1	
SERVICE PARTS				
15	3925176	Insert, Valve		Exhaust
16	3925177	Insert, Valve		Intake
17	3904408	Guide, Valve Stem		Thick wall 60.50mm Long intake
18	3904409	Guide, Valve Stem		Thick wall 51.75mm Long exhaust
19	3906206	Guide, Valve Stem		Thin wall can be used on both intake and exhaust

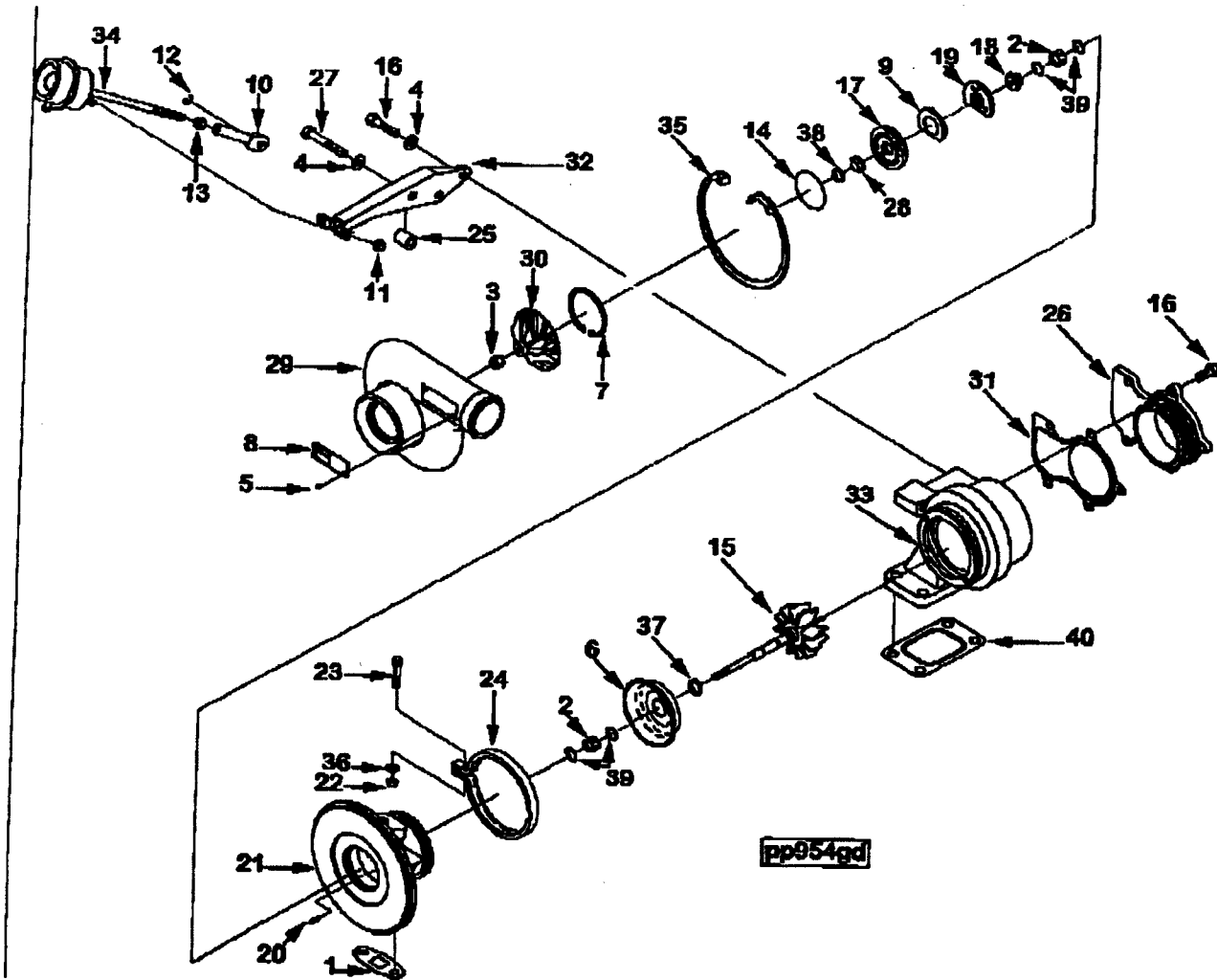


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	PP97300	Cylinder Head	1	Cylinder Head Mounting Structure Code: 02 EBM Engine Family: B Series Engine Cylinders: 4 Gasket Material: Standard.
	3282999	Gasket, Cylinder Head	1	

Group No. 10.06

Turbocharger

Option No. PP97306

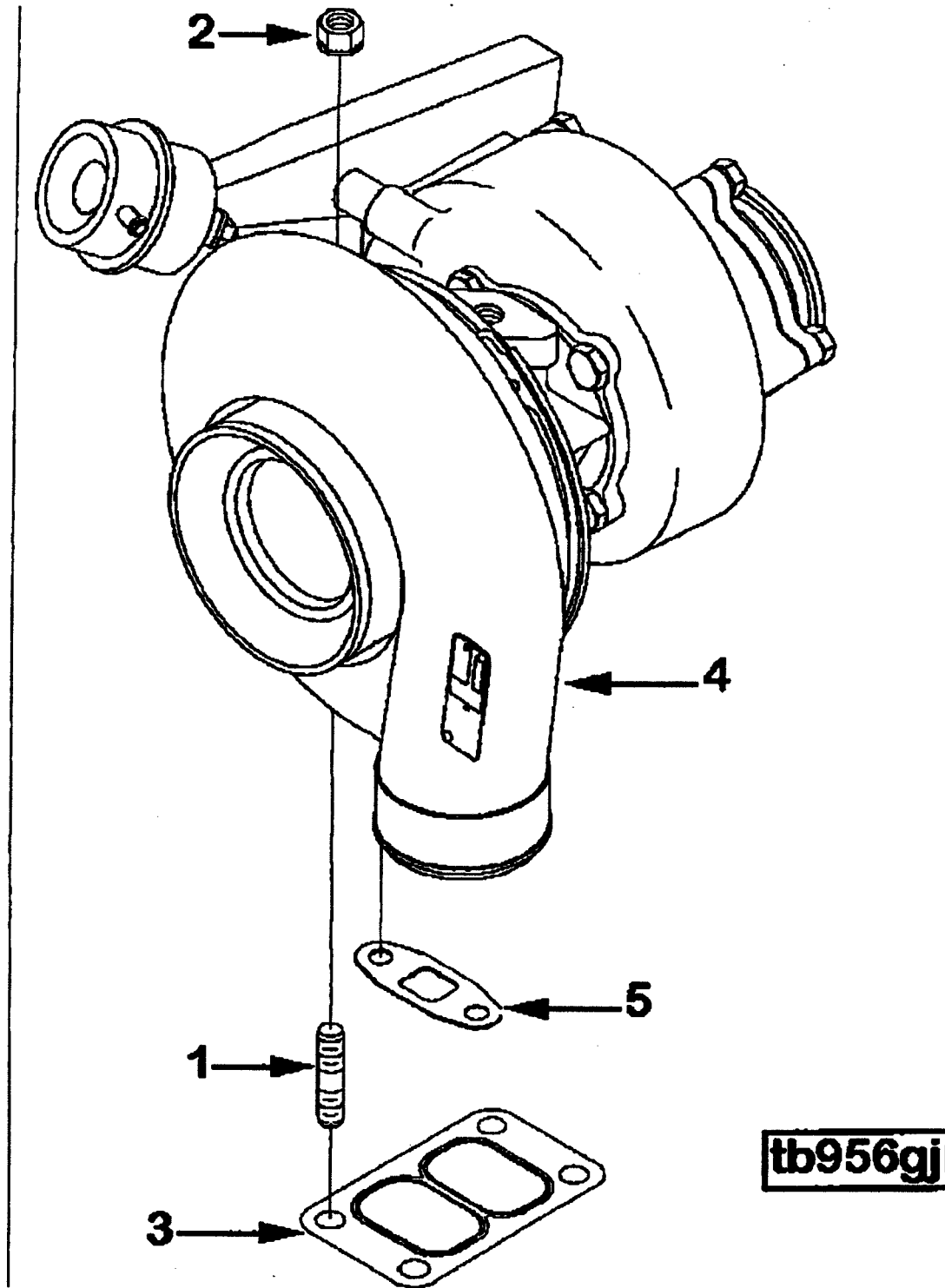


Group No. 10.06

Turbocharger

Option No. PP97306

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	PP97306		1	Turbocharger Engine Family: B Series Turbocharger Location: HMRO Base ID17 Turbocharger: 3537751 Turbocharger Type: Wastegate Wastegate Pressure Setting (BAR): 0.001 Turbo Model: HD30W Compressor Angle (Shipping Deg): 340 Turbine Angle (Deg): 20 SPIG Orientation: 0 Deg. Structure Code: 02 EBM Engine Cylinders: 4 Engine Aspiration: Jacket Water Aftercooled Turbine Exhaust Outlet Type: Half Marmon Actuator Position: High
1	3914388	Gasket, Turbocharger	1	
	3902906	Turbocharger	1	
	(3537751)	Turbocharger	1	
2	3503100	Bearing, Turbocharger	2	
3	3503562	Nut, Lock	1	M7 x 1.00
4	3504967	Washer, Plain	3	
5	3519163	Screw, Drive	2	
6	3519304	Shield, Turbocharger Heat	1	
7	3527666	Ring, Retaining	1	
8	3527819	Clapplate	1	
9	3528104	Baffle, Oil	1	
10	3528177	End, Adjusting Link	1	
11	3528204	Nut, Lock	2	1/4 - 28 UNF
12	3528221	Ring, Retaining	1	
13	3528414	Nut, Regular Hexagon Jam	1	
14	3528933	Seal, O Ring	1	
15	3530522	Shaft & Wheel	1	
16	3530556	Screw, Hexagon Head Set	7	M8 x 1.25 x 20
17	3530823	Plate, Oil Seal	1	
18	3530924	Slinger, Oil	1	
19	3531419	Bearing, Tur Thrust	1	
20	3522597	Pin, Roll	2	
21	3536956	Housing, Tur Bearing	1	
22	3531582	Nut, Regular Hexagon	1	M6 x 1.00 Thd
23	3531598	Screw, Hexagon Head Set	1	M6 x 1.00 x 35
24	3537856	Clamp, V Band	1	
25	3532195	Spacer, Mounting	1	
26	3527759	Connection, Adapter	1	
27	3532940	Screw, Hexagon Head Set	1	
28	3534451	Collar, Thrust	1	
29	3536833	Housing, Compressor	1	
30	3537538	Impeller, Tur Compressor	1	
31	3535001	Gasket, Turbocharger	1	
32	3535203	Bracket, Actuator	1	
33	3535656	Housing, Turbine	1	
34	3537561	Actuator, Turbocharger	1	
35	3535800	Ring, Retaining	1	
36	3535971	Washer, Plain	1	
37	3756754	Seal, Split Ring	1	
38	3758848	Seal, Split Ring	1	
39	3762259	Ring, Retaining	4	
40	3901356	Gasket, Turbocharger	1	



Group No. 10.06

Turbocharger

Option No. PP97306

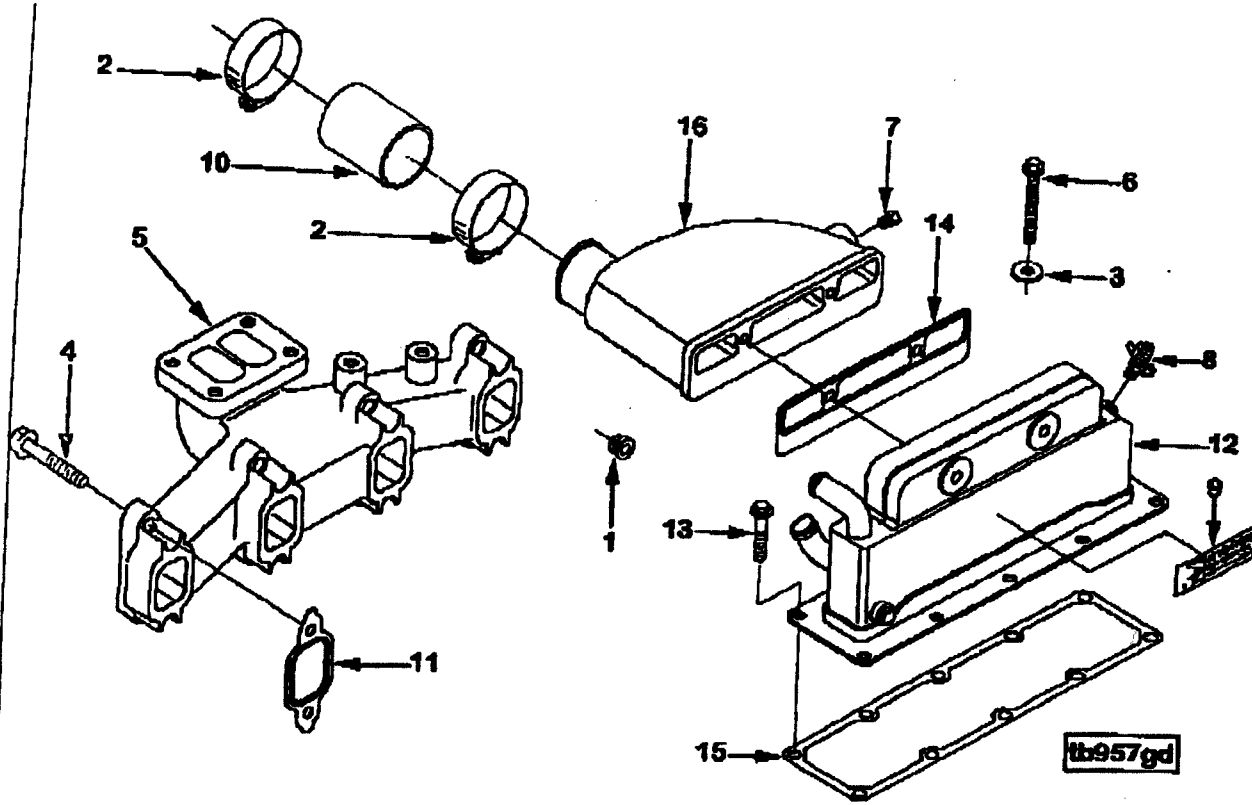
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	PP97306	Turbocharger	1	Turbocharger Engine Family: B Series Turbocharger Location: HMRO Base ID17 Turbocharger: 3537751 Turbocharger Type: Wastegate Turbo Model: HC30W Compressor Angle (Shipping Deg): 340 Turbine Angle (Deg): 20 Sprig Orientation: 0 Deg. Structure Code: 02 EBM Engine Cylinders: 4 Engine Aspiration: Jacket Water Aftercooled Turbine Exhaust Outlet Type: Half
	3802907	Kit, Turbocharger	1	Marmon
4	(3537800)	Turbocharger	1	
1	3818823	Stud	4	
2	3818824	Nut, Hexagon Flange	4	M10 x 1.50
3	3919369	Gasket, Turbocharger	1	
5	3914388	Gasket, Turbocharger	1	

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CUMMINS ENGINE  
20707 FAX 010 204 0000  
2000

Group No. 10.06.1

Turbocharger Location

Option No. TBS397



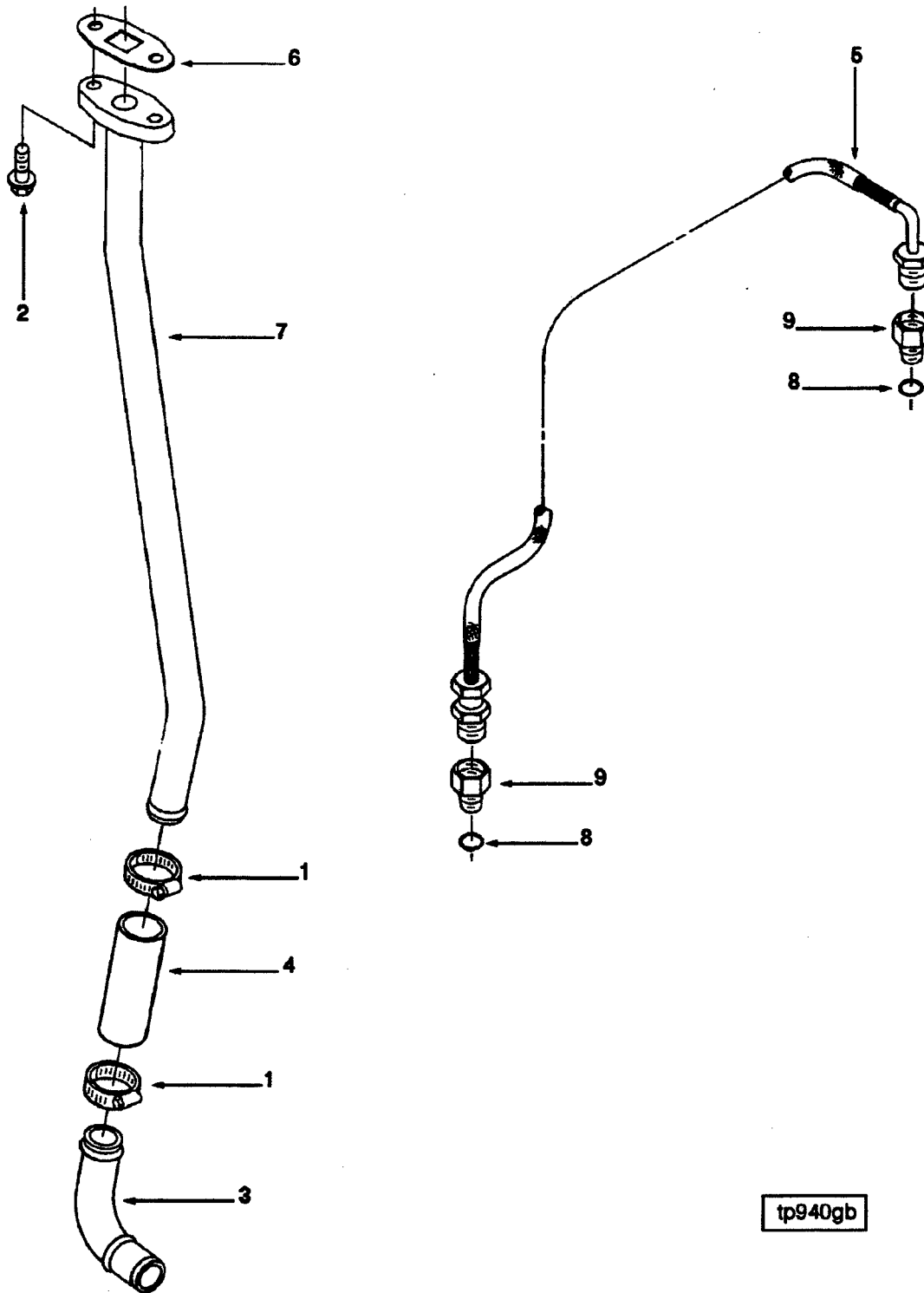


Group No. 10.06.1

Turbocharger Location

Option No. TB9397

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	TB9397	Turbocharger Location	1	Turbocharger Location Engine Family: B Series Cylinders: 4 Exhaust Outlet Location: HMRO Turbo Exh Loc from FFOB (mm): 394 Exh Vert from Crank C/L (mm): 522 Exh Horz. Crank C/L (mm): 154 Aspiration: Jacket Water Aftercooled Oil Supply Routing: Outboard Exh. Manifold Type: Dry Intake Cover Provided: Yes Turbocharger Type: Wastegate Structure Code: 02 EBM Base Turbo ID17 Number: 3537562 3537751
1	3008468	Plug, Pipe	1	1/2 NPT
2	3033033	Clamp, Hose	2	2 - 2 1/2 inch
3	3278499	Washer, Plain	2	
4	3901448	Screw, Hex Flange Head Cap	8	M10 x 1.50 x 65
5	3901635	Manifold, Exhaust	1	
6	3903096	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 70
7	3906619	Plug, Pipe	1	1/8 NPT
8	3909394	Draincock	1	1/8 NPT
9	3910778	Decal	1	
10	3916166	Hose, Plain	1	
11	3927154	Gasket, Exhaust Manifold	4	
12	3929333	Aftercooler	1	
13	3930837	Screw, Hex Flange Head Cap	6	M8 x 1.25 x 50
14	3931284	Gasket, Connection	1	
15	3931605	Gasket, Int Manifold Cover	1	
16	3931997	Connection, Air Crossover	1	



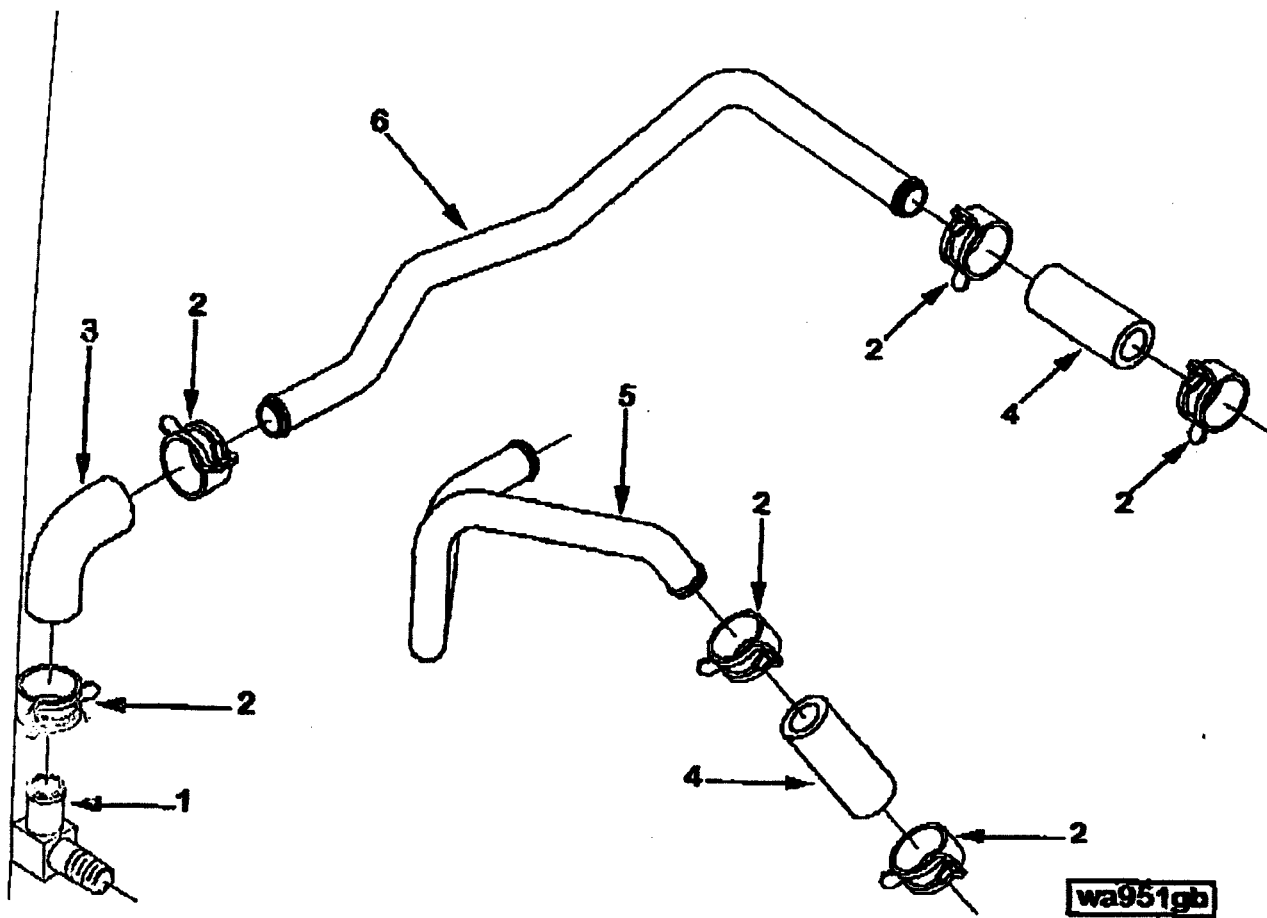
tp940gb

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	TP9702	Turbocharger Plumbing	1	Plumbing, Turbocharger Engine Cylinders: 4 Turbo & Exhaust Out Location: High Mount Rear Out Oil Filter Mounting Location: On Engine Turbo Oil Supply Hose Routing: Outboard Exhaust Manifold Type: Dry DEP use 3282153 hose and 3922789 conn in place of 3909545 and 3919687.
1	43828-A	Clamp, Hose	2	13/16 - 1 1/2 inch
2	3900630	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 20
3	3903744	Tube, Tur Oil Drain	1	
4	3903745	Hose, Plain	1	
5	3909548	Hose, Flexible	1	
6	3914388	Gasket, Oil Drain	1	
7	3918583	Connection, Tur Oil Drain	1	
	3919687	Connector, Female	2	
8	3037236	Seal, O Ring	1	
9	3920801	Connector, Female	1	

Group No. 10.01.1

Aftercooler Plumbing

Option No. WA9729



Group No. 10.01.1

Aftercooler Plumbing

Option No. WA9729

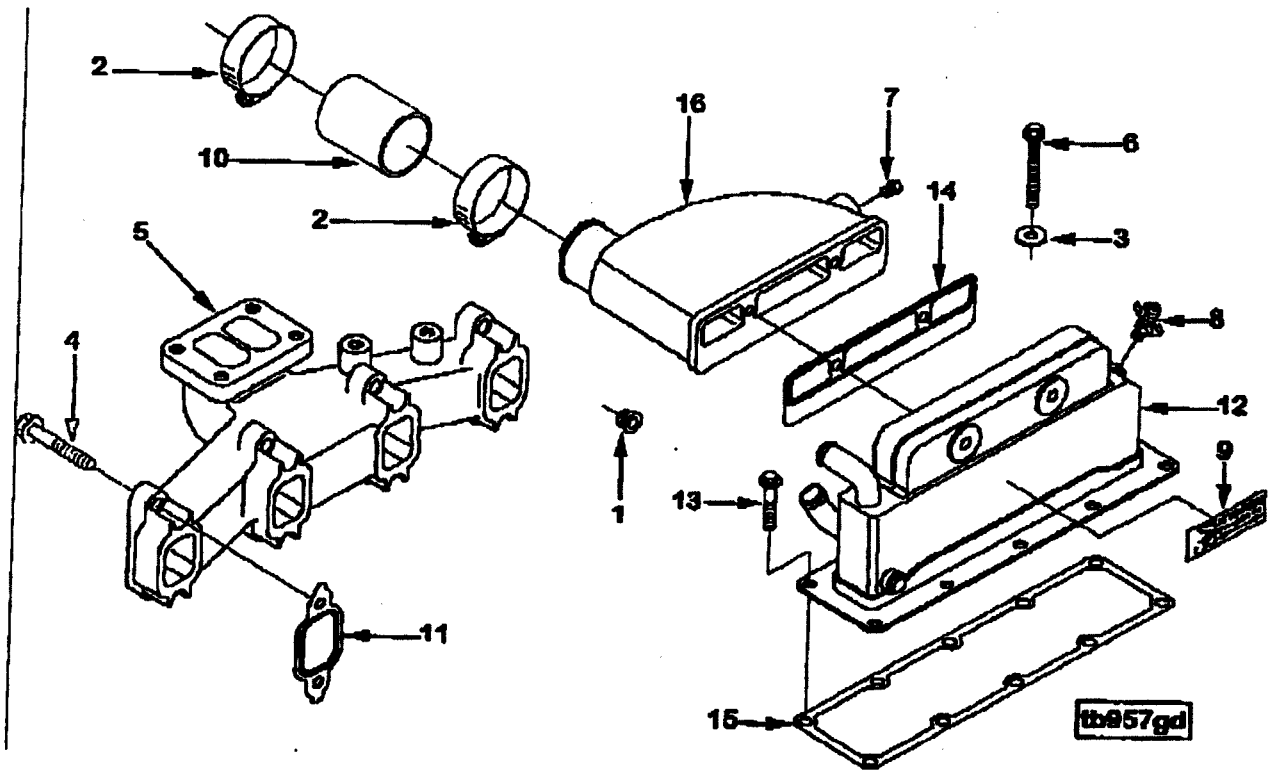
<u>REF NO</u>	<u>PART NUMBER</u>	<u>PART NAME</u>	<u>REQ</u>	<u>REMARKS</u>
	WA9729	Aftercooler Plumbing	1	Plumbing, Aftercooler Exhaust Manifold Type: Dry Restricted Alternator Mounting: N/A Exhaust Connection: N/A Works Only With Rear Expansion Tank: N/A
1	3282444	Coupling, Elbow Hose	1	
2	3918163	Clamp, Hose	8	1/2 NPTF x 19 ID 90 Degree
3	3918607	Hose, Elbow	1	
4	3918611	Hose, Plain	2	
5	3929781	Tube, Aftercooler	1	
6	3929787	Tube, Aftercooler	1	

Group No. 05.19

Fuel System Accessories

Option No. FS9106

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FG9106	Fuel System Accessories	1	Lift Pump Structure Code: 02 EBM Pump Style: Piston Pump Operation: Mechanical Pump Supplier: Cummins Pump Measured Flow (Liters/ Min): 183-229 Pump Measured Flow RPM: 1250 Fuel Inlet Size: 1/2-14 NPTF Filter Location: On Engine Restricted Fuel Pump: Bosch P7100 Cylinders: 4 Engine Family: B Series M8 x 1.25 x 25
1	3900631			
2	3914284	Screw, Hex Flange Head Cap	2	
3	3931348	Spacer, Mounting	1	
4	3916361	Gasket, Cover Plate	2	
5	3918191	Screw, Banjo Connector	1	
6	3932224	Washer, Sealing	2	M12 x 1.50 x 24
7	3927637	Pump, Fuel Transfer	1	
		Tube, Fuel Supply	1	
	3926764	Kit, Service Parts Liftmp	1	
	3914304	Gasket, Cover Plate	2	
	3926559	Valve, Check	2	
	3919442	Gasket, Check Valve	2	
	3919443	Seal, O Ring	1	
	3919444	Seal, O Ring	2	
	3920545	Seal, O Ring	1	
	3926558	Valve, Check	1	



Group No. 10.06.1

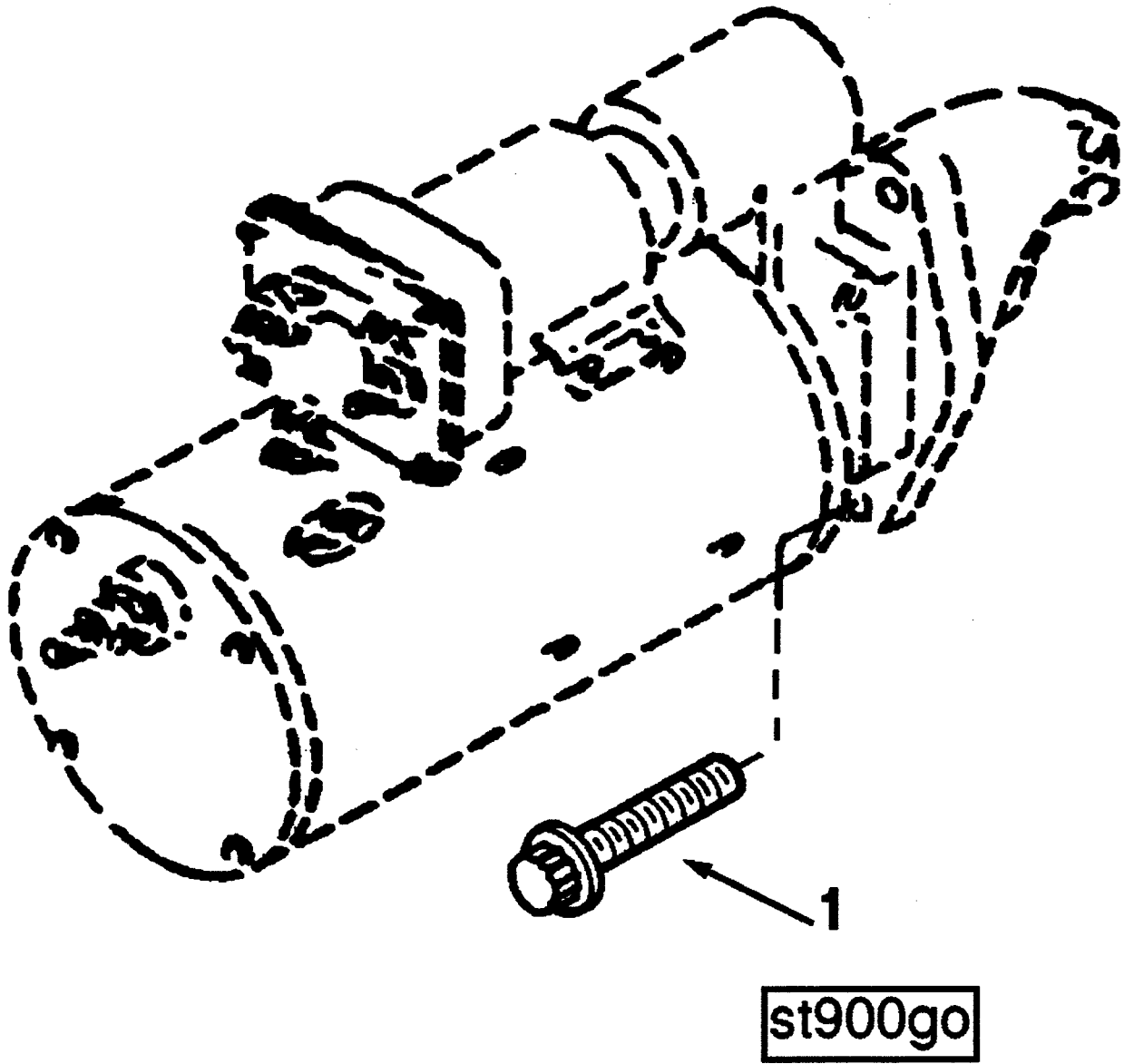
Turbocharger Location

Option No. TB9397

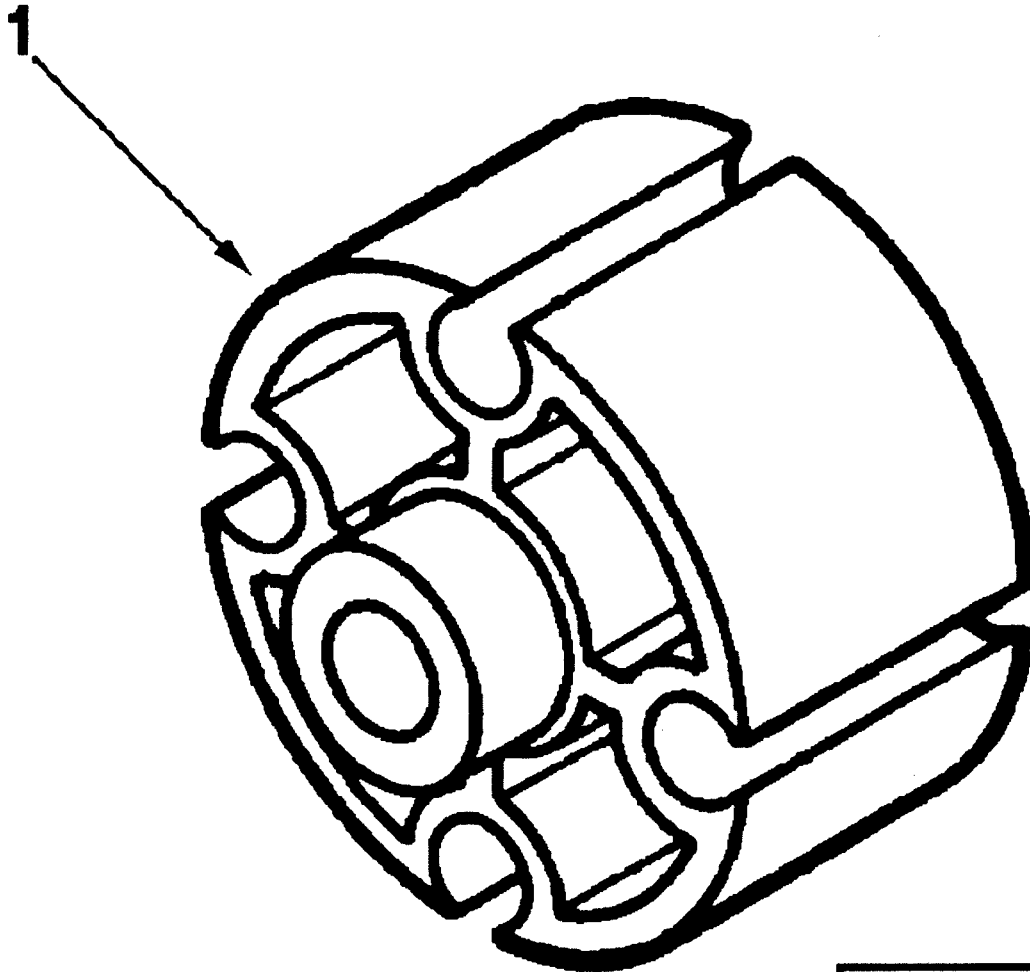
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	TB9397	Turbocharger Location	1	Turbocharger Location Engine Family: B Series Cylinders: 4 Exhaust Outlet Location: HMRO Turbo Exh Loc from FFOB (mm): 394 Exh Vert from Crank C/L (mm): 522 Exh Horz Crank C/L (mm): 154 Aspiration: Jacket Water Aftercooled Oil Supply Routing: Outboard Exh. Manifold Type: Dry Intake Cover Provided: Yes Turbocharger Type: Wastegate Structure Code: 02 EBM Base Turbo ID17 Number: 3537562 3537751
1	3006468	Plug, Pipe	1	
2	3033033	Clamp, Hose	2	1/2 NPT
3	3278499	Washer, Plain	2	2 - 2 1/2 inch
4	3901448	Screw, Hex Flange Head Cap	8	M10 x 1.50 x 85
5	3901635	Manifold, Exhaust	1	
6	3903096	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 70
7	3906619	Plug, Pipe	1	1/8 NPT
8	3908394	Draincock	1	1/8 NPT
9	3910778	Decal	1	
10	3916166	Hose, Plain	1	
11	3927154	Gasket, Exhaust Manifold	4	
12	3929333	Aftercooler	1	
13	3930837	Screw, Hex Flange Head Cap	6	M8 x 1.25 x 50
14	3931264	Gasket, Connection	1	
15	3931605	Gasket, Int Manifold Cover	1	
16	3931997	Connection, Air Crossover	1	



REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	FS9106	Fuel System Accessories	1	Lift Pump Structure Code: 02 EBM Pump Style: Piston Pump Operation: Mechanical Pump Supplier: Cummins Pump Measured Flow (Liters/ Min): 183-229 Pump Measured Flow RPM: 1250 Fuel Inlet Size: 1/2-14 NPTF Filter Location: On Engine Restricted Fuel Pump: Bosch P7100 Cylinders: 4 Engine Family: B Series
1	3900631	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 25
2	3914284	Spacer, Mounting	1	
3	3931348	Gasket, Cover Plate	2	
4	3916361	Screw, Banjo Connector	1	M12 x 1.50 x 24
5	3918191	Washer, Sealing	2	
6	3932224	Pump, Fuel Transfer	1	
7	3927637	Tube, Fuel Supply	1	
	3926764	Kit, Service Parts Liftmp	1	
	3914304	Gasket, Cover Plate	2	
	3926559	Valve, Check	2	
	3919442	Gasket, Check Valve	2	
	3919443	Seal, O Ring	1	
	3919444	Seal, O Ring	2	
	3920545	Seal, O Ring	1	
	3926558	Valve, Check	1	

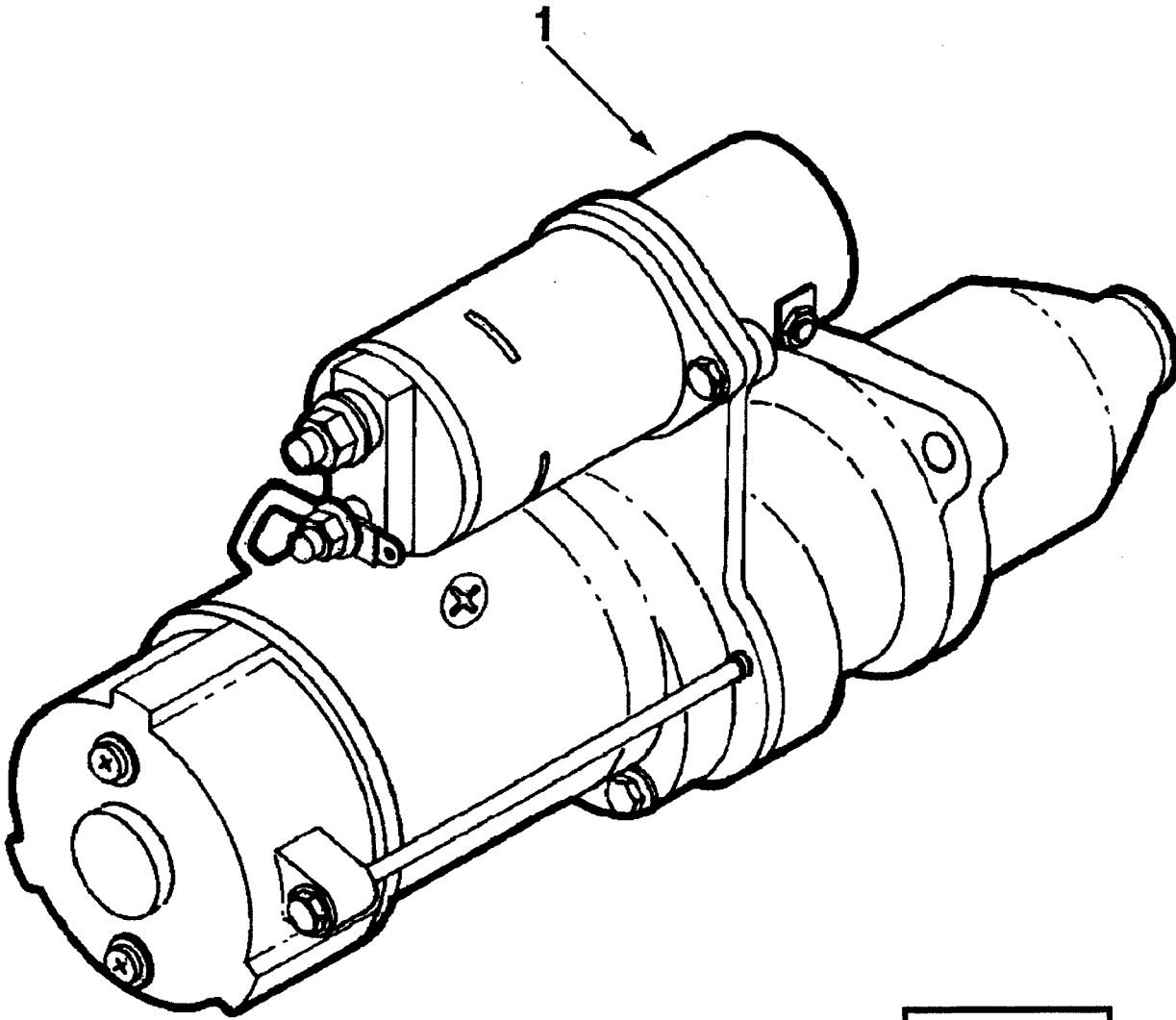


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	SM9702	Starting Motor Mounting	1	Starter Mounting Clutch Type: Dry Mounting Capscrew Size or Nut Size: M10 Required Pilot Bore (MM): 88.9 Spacer Thickness (MM): 0.0 Engine Family: B Series C Series Starter Mount SAE: Chrysler Unique - 3 Bolt SAE #1-3 Bolt 90 Degree SAE #3-3 Bolt 120 Degree
1	3903834	Screw, Twelve Point Cap	3	M10 x 1.50 x 35



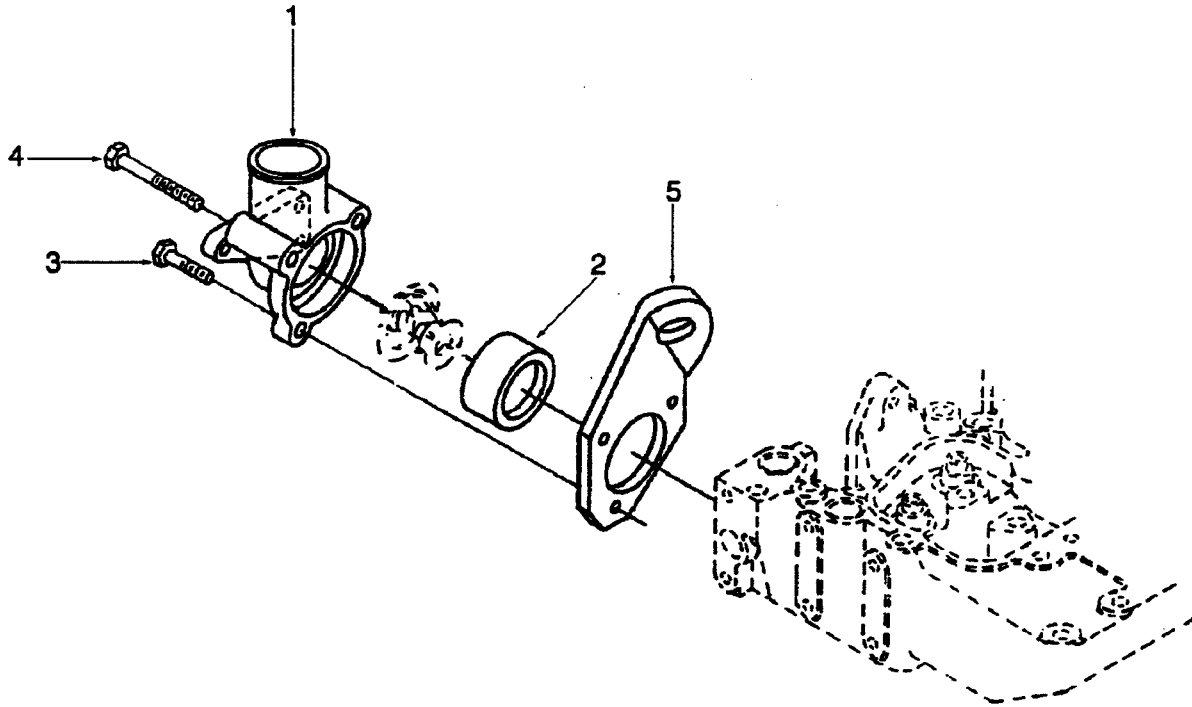
sp910gb

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	SP9019	Fan Pilot Spacer	1	Fan Pilot Spacer Spacer Thickness (MM): 25.40 Spacer Type: Spacer Fan Pilot Diameter (MM): 25.4 Engine Family: B Series C Series Mounting Bolt Circle (MM): 60
1	3910128	Spacer, Fan Pilot	1	



st910gc

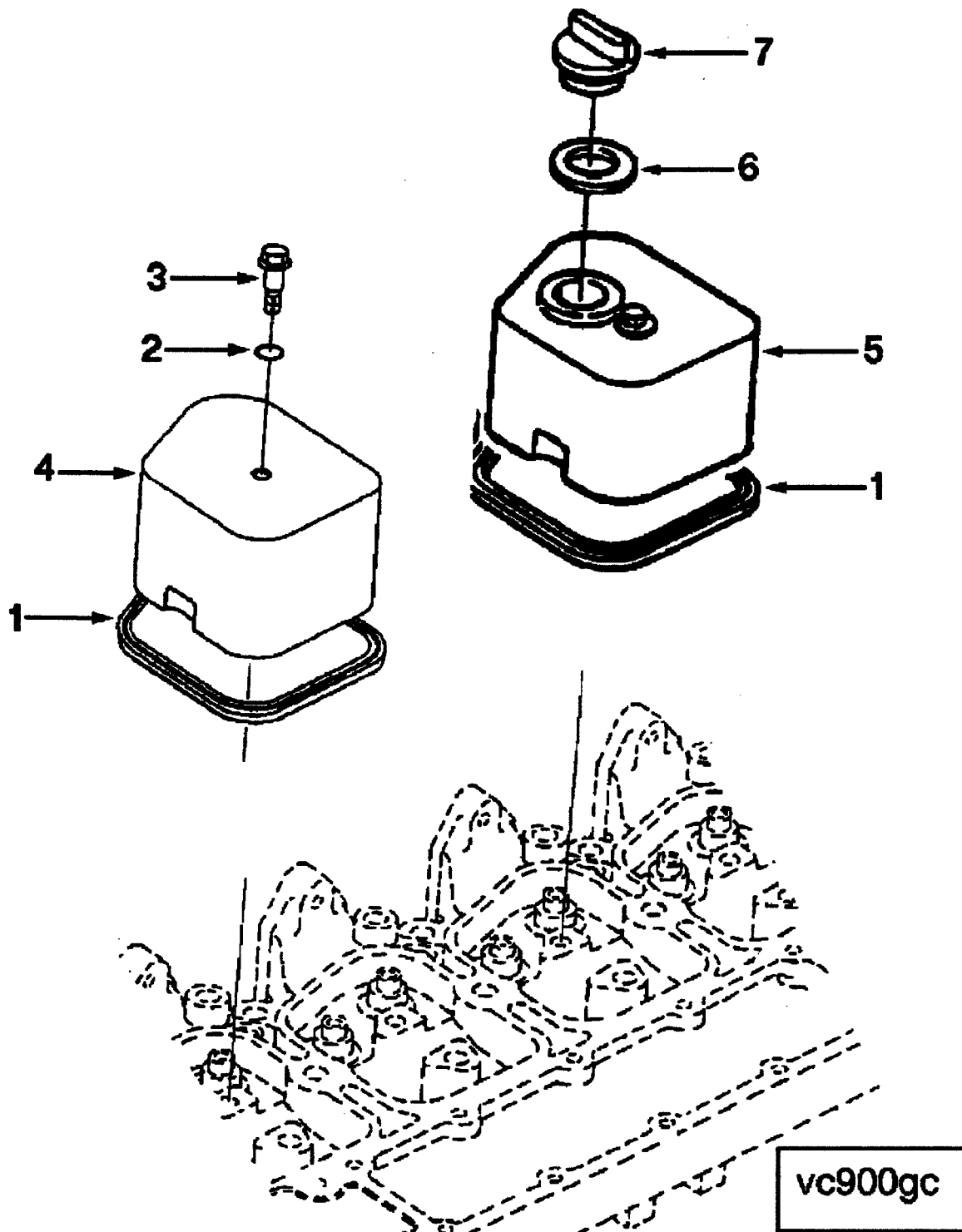
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	ST9039	Starting Motor	1	Starting Motor Mfg: Delco-Remy Volt: 12 Model/Type: 28MT Type 171 Dia Pitch: 10/12 Mt SAE: SAE #1 - 3 Bolt 90 Degree Wet/Dry: Dry Starter Style: Barrel Pilot Bore Diameter (MM): 88.90 W/Heat Shield: No Mtg Flg Thickness: 13.00 Angle Limitation High: 135 Angle Limitation Low: 315 Supply Method: Mounted Structure Code: 02 EBM Engine Family: B Series
1	3916854	Motor, Starting	1	



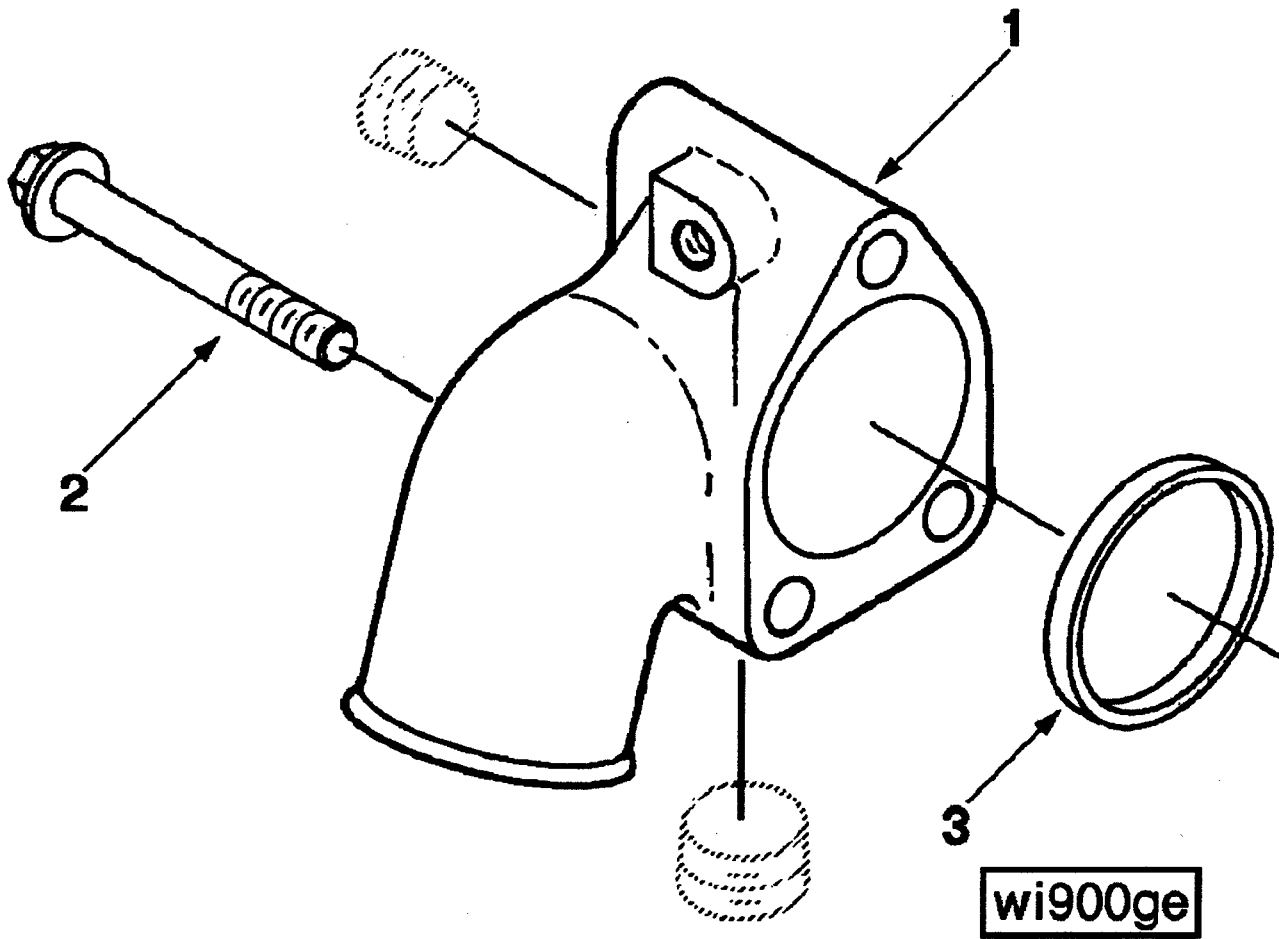
th900gb



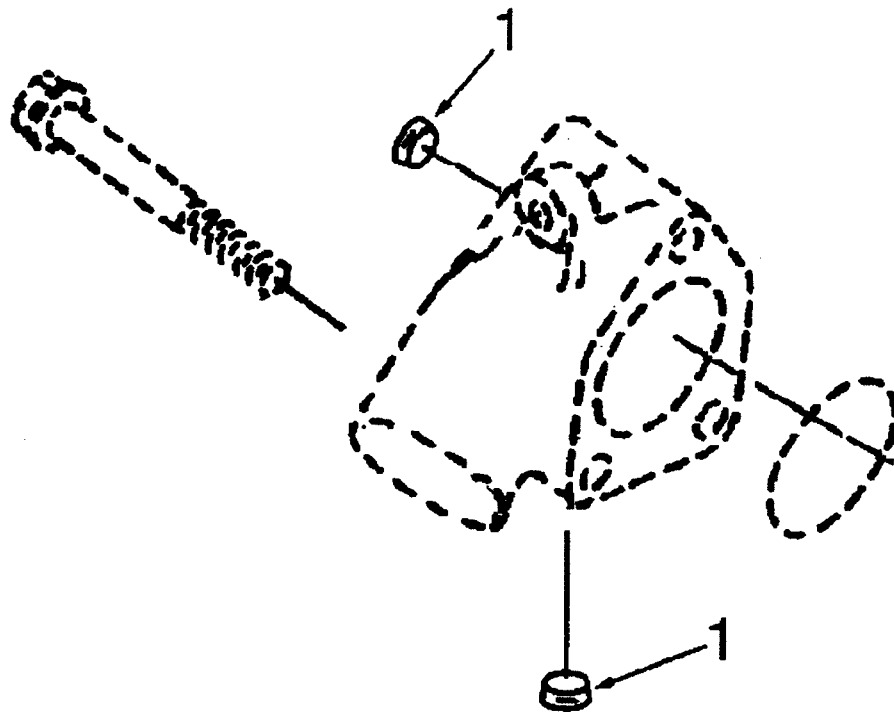
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	TH9001	Thermostat Housing	1	Water Outlet O.D.: 45mm Water Outlet Flow Direction: Vertical Lifting Bracket Direction: Vertical/Back
1	3914409	Housing, Thermostat	1	
2	3923331	Gasket, Thm Housing Cov	1	
3	3900632	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 35
4	3926972	Screw, Hex Flange Head Cap	2	
5	3903757	Bracket, Lifting	1	.250 inch thick



REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	VC9012	Valve Cover	1	Valve cover arrangement with provision for oi fill in rear valve co (4 cylinder). P/N 3901837 seal, o ring be substituted for P/N 3910824.
1	3902666	Gasket, Valve Cover	4	
2	3910824	Seal, O Ring	4	9.25 dia x 1.78 thick
3	3907049	Screw, Hex Flange Head Cap	4	M8 x 1.25 x 25
4	3902604	Cover, Valve	3	
5	3902605	Cover, Valve	1	
6	3902363	Seal, Rectangular Ring	1	3.0 thick
7	3901895	Cap, Filler	1	

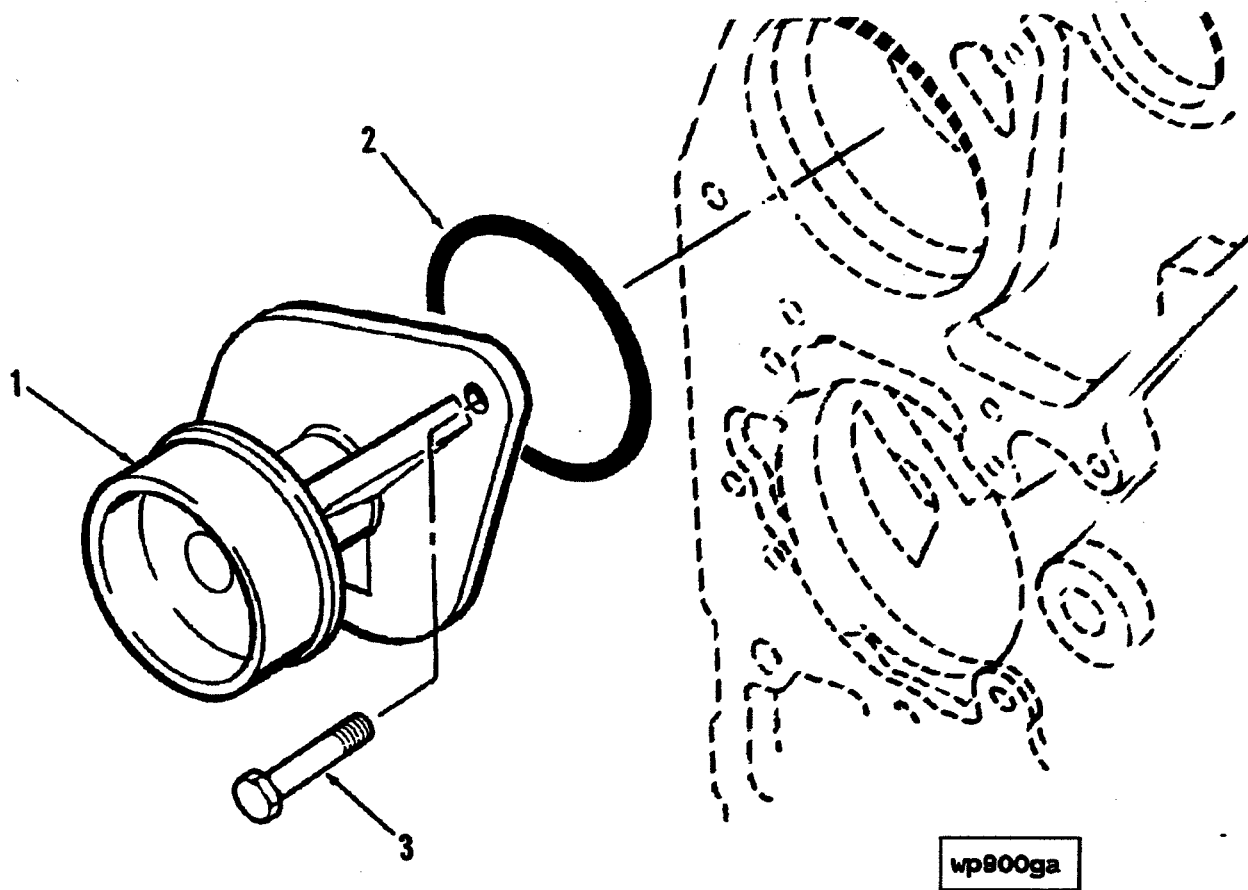


REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	WI9002	Water Inlet Connection	1	Water Inlet Connection Structure Code: 02 EBM Engine Family: B Series Inlet Connection OD (MM): 58.00 Connection Type: Beaded Connection Orientation: 73 Degree  Down Contains Mtg Pad For Freon Compressor: No Attachment For Low Profile Tensioner: No
1	3903103	Connection, Water Inlet	1	
2	3901757	Screw, Hex Flange Head Cap	3	M10 x 1.50 x 75
3	3906697	Seal, Rectangular Ring	1	



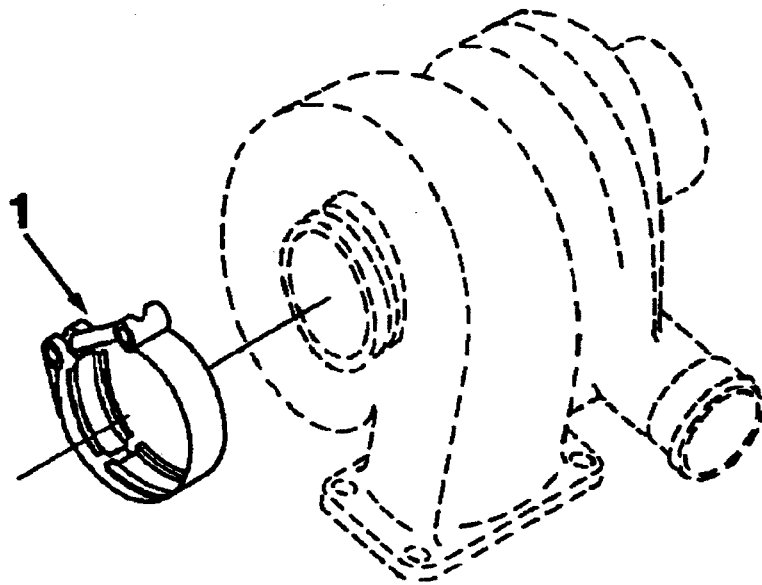
wi900gg

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	WI9701	Water Inlet Connection	1	Plugs for use in water inlet connection to be used without water cooled exhaust manifold .
1	3008468	Plug, Pipe	2	1/2 NPT





REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	WP9003	Pump Water	1	Water Pump Pulley Type: Hardened Engine Family: B Series Pulley Diameter (mm): 88.00 P/N 3903297 O-Ring Seal is interchangeable with P/N 3906698.
	3802358	Pump, Water	1	
1	(3928395)	Pump, Water	1	
2	3906698	Seal, Rectangular Ring	1	
3	3900227	Screw, Hexagon Head Cap	2	M8 x 1.25 x 22

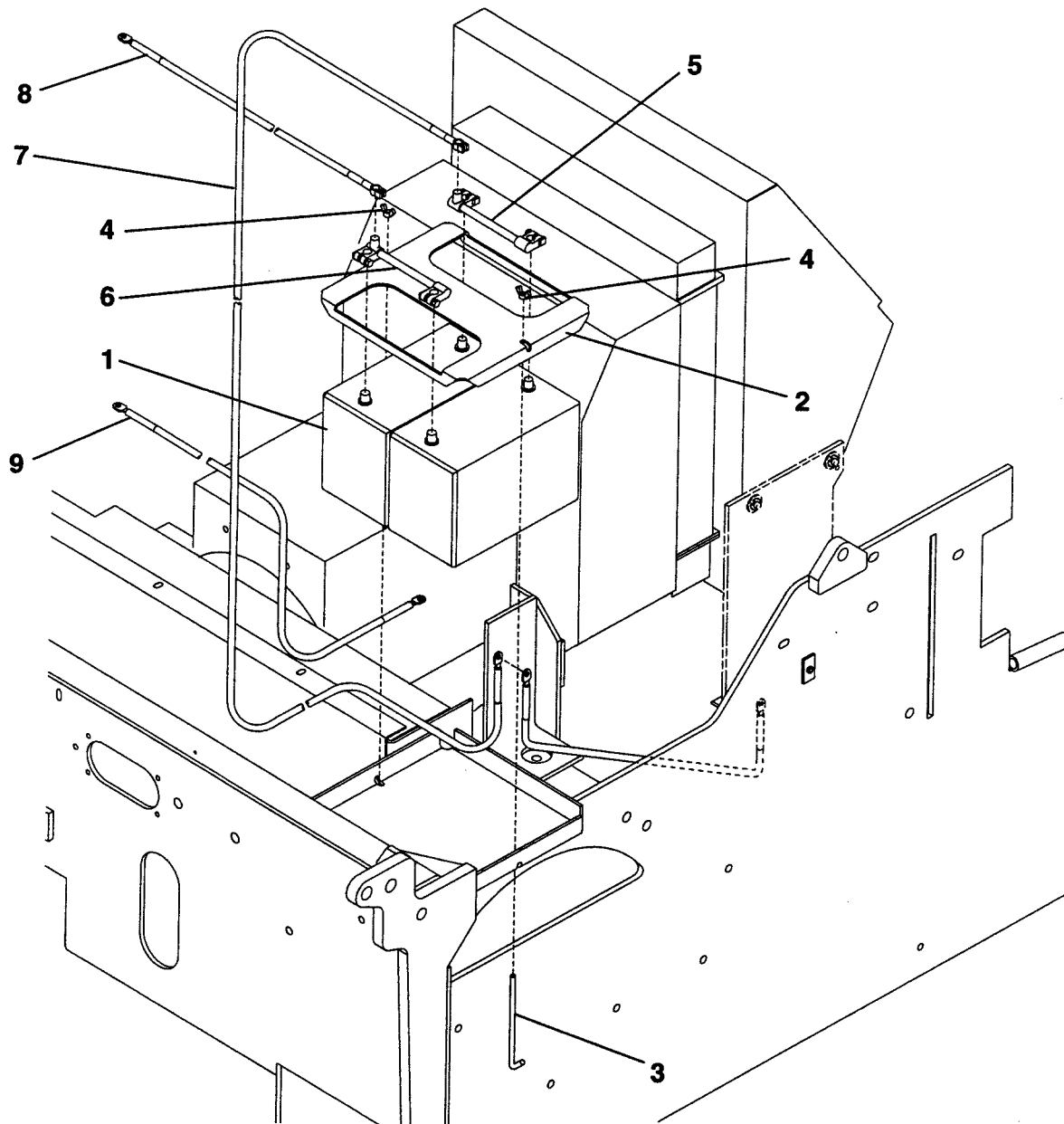


xs900ge

REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	XS9009	Exhaust Connection	1	Engine Cylinders: 4/6 Aspiration: T/A Manifold Type: Dry V-Band Clamp Only Provided: Yes
1	3903652	Clamp, V Band	1	

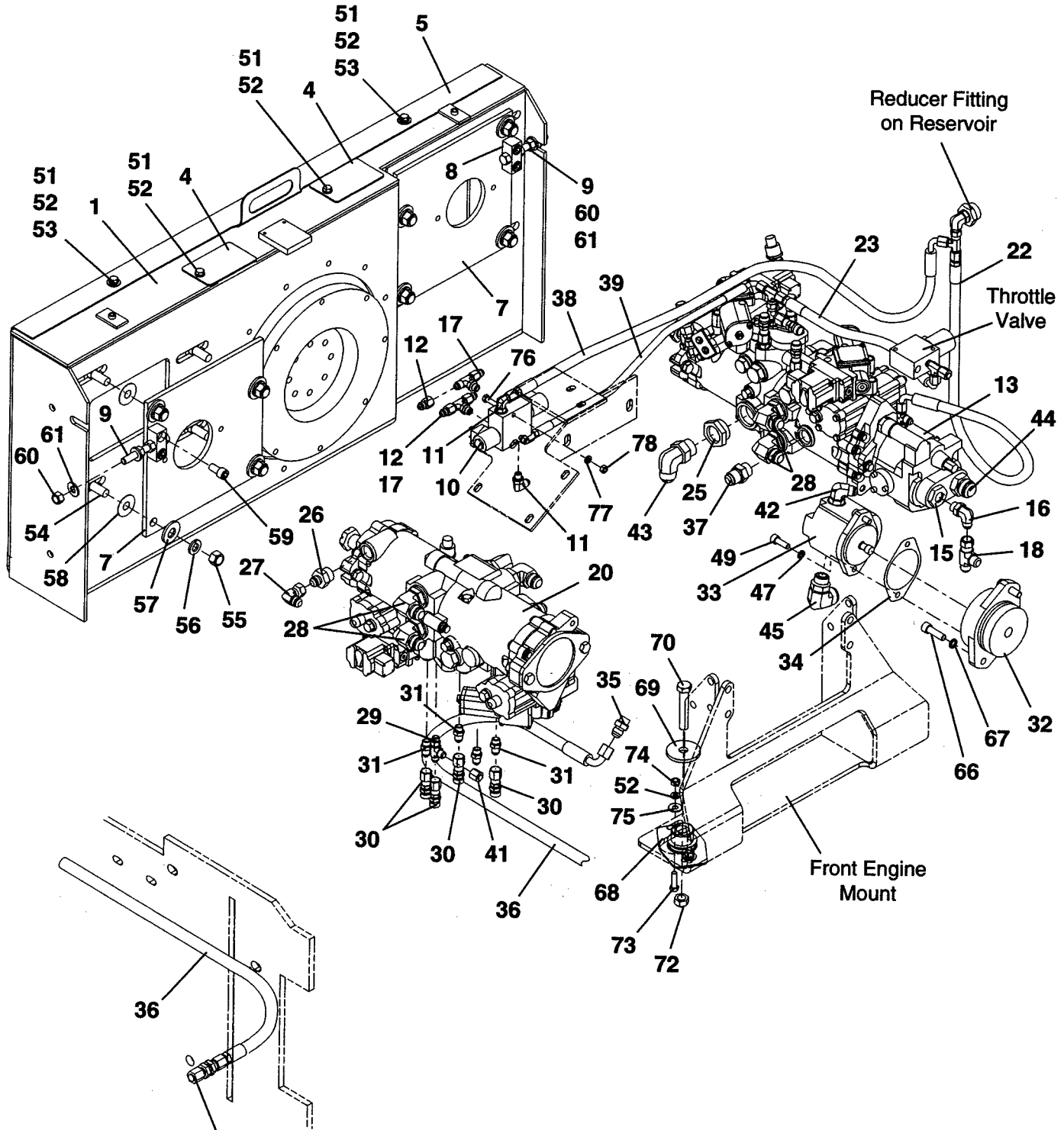
REF NO	PART NUMBER	PART NAME	REQ	REMARKS
	BP97046	Front Gear Cover	1	Front Gear Cover Family: B Series Structure Code: 02 EBM Belt Retainer Included: Yes Noise Dampening Panel Provision: No Access For Tach Drive: Yes Studded C/S For Oil Fill Attachment: No Gear Housing Material: Cast Aluminum Fuel Pump: Bosch P3000 Bosch P7100
1	3925883	Screw, Hex Flange Head Cap	13	
2	3900633	Screw, Hex Flange Head Cap	11	M8 x 1.25 x 50
3	3907998	Screw, Round Head Cap	2	M5 x 0.8 x 17
4	3903924	Pin, Timing	1	
5	3904849	Ring, Retaining	1	
6	3913994	Seal, O Ring	1	
7	3919683	Housing, Timing Pin	1	
8	3915772	Seal, Rectangular Ring	1	
9	3931351	Gasket, Gear Housing	1	
10	3918673	Gasket, Gear Cover	1	
11	3900709	Seal, Oil	1	
12	3918675	Cover, Gear	1	
13	3920519	Housing, Gear	1	

## Battery Mounting & Cables



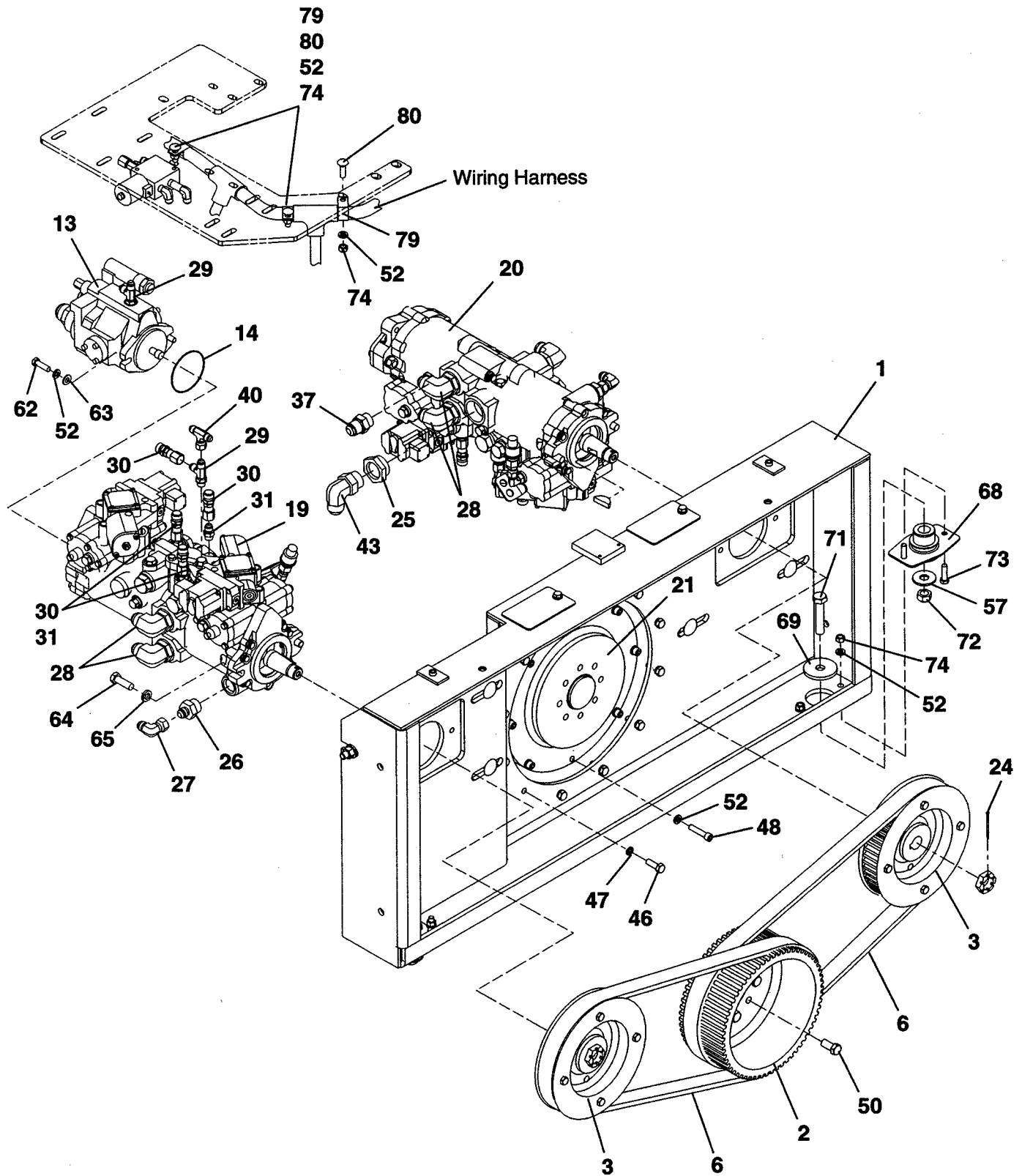
Ref. No.	Part Number	Description	Quantity
1	45040-250-08	Battery, 12V	2
2	9704-318-61	Clamp, Battery Hold Down	1
3	4445-406-10-02	Bolt, Hook	2
4	7056-011	Wing Nut, 3/8" NC	2
5	45040-127-03	Jumper, Battery Negative	1
6	45040-127-04	Jumper, Battery Positive	1
7	9704-410-51	Cable	1
8	9704-375-45	Cable, Battery	1
9	9704-410-97	Cable, Starter	1

### Pump Drives



See Basket Plumbing  
for Fitting & Cap

**Pump Drives**





## Pump Drives

Ref. No.	Part Number	Description	Quantity
1	9704-314-49	Housing, Pump Drive	1
2	4431-717-01	Sprocket, Drive	1
3	9704-316-47	Sprocket, Pump	2
4	9704-314-18	Cover, Inspection	2
5	9704-314-56	Cover, Drive Housing	1
6	45825-004-04	Belts, Poly-Chain	2
7	9704-314-55	Plate, Pump Mount	2
8	9704-312-41	Block, Adjusting Bolt	2
9	7285-009	Adjusting Bolt, 1/2" NC x 4"	2
10	9704-656-69	Valve, Brake / Range - Complete	1
	45252-008-15-01	Cartridge, 3 Way Valve	As Req
	45252-008-15-03	Seal Kit, Cartridge	As Req
	45252-008-15-02	Coil	As Req
11	7430-275	Elbow, 90° 9/16" x 3/8" - with O-Ring	2
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
12	45259-012-03	Fitting, 5/64" Orifice	4
13	45080-002-10	Pump, Auxiliary - <i>See Form #21328, This Section</i>	1
14	45240-125-62	O-Ring Gasket	1
15	45720-775-28	Reducer, 1" to 1/2" SAE	1
16	7430-278	Elbow, 90° 3/4" x 1/2" - with O-Ring	1
	45259-508-14	O-Ring, 3/4" (For above fitting)	1
17	7430-302	Tee, 3/8" Branch - with O-Ring	2
	45259-508-12	O-Ring, 7/16" (For above fitting)	As Req
18	7430-345	Tee, 1/2" Swivel Nut - Male Branch	1
19	45080-002-40	Pump, Tandem	1
20	45080-002-60-01	Pump, Tandem - Modified	1
21	9704-155-80	Adapter, Sprocket	1
22	7651-030-35	Hose Assembly, <i>Auxiliary Pump to Reservoir</i>	1
23	7651-018-35	Hose Assembly, <i>Pump to Throttle Valve</i>	1
24	7011-064	Cotter Pin, 1/8" x 2"	2
25	45720-770-94	Reducer, 1-1/4" to 3/4"	2
26	7430-257	Connector, 1-1/16" x 1/2" - with O-Ring	2
	45259-508-15	O-Ring, 1-1/16" (For above fitting)	As Req
27	7430-405	Elbow, 90° 1/2" Swivel Nut	2
28	7430-378	Elbow, 90° 1-5/16" x 3/4" - with O-Ring	8
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
29	7430-291	Tee, 3/8" Run - with O-Ring	3
	45259-508-12	O-Ring, 7/16" (For above fitting)	As Req
30	45080-527-18	Fitting, 3/8" Test	8
31	7430-252	Connector, 9/16" x 3/8" - with O-Ring	6
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
32	45930-001-15-08	Drive Kit, Cummins	1
33	45080-003-40	Pump, Hydraulic - Vibrator	1
34	9700-434	Gasket	1
35	45720-775-50	Adapter, M18 x 1.5 Stud	1
36	7652-070-35	Hose Assembly, <i>Engine Oil Drain</i>	1

- Continued -

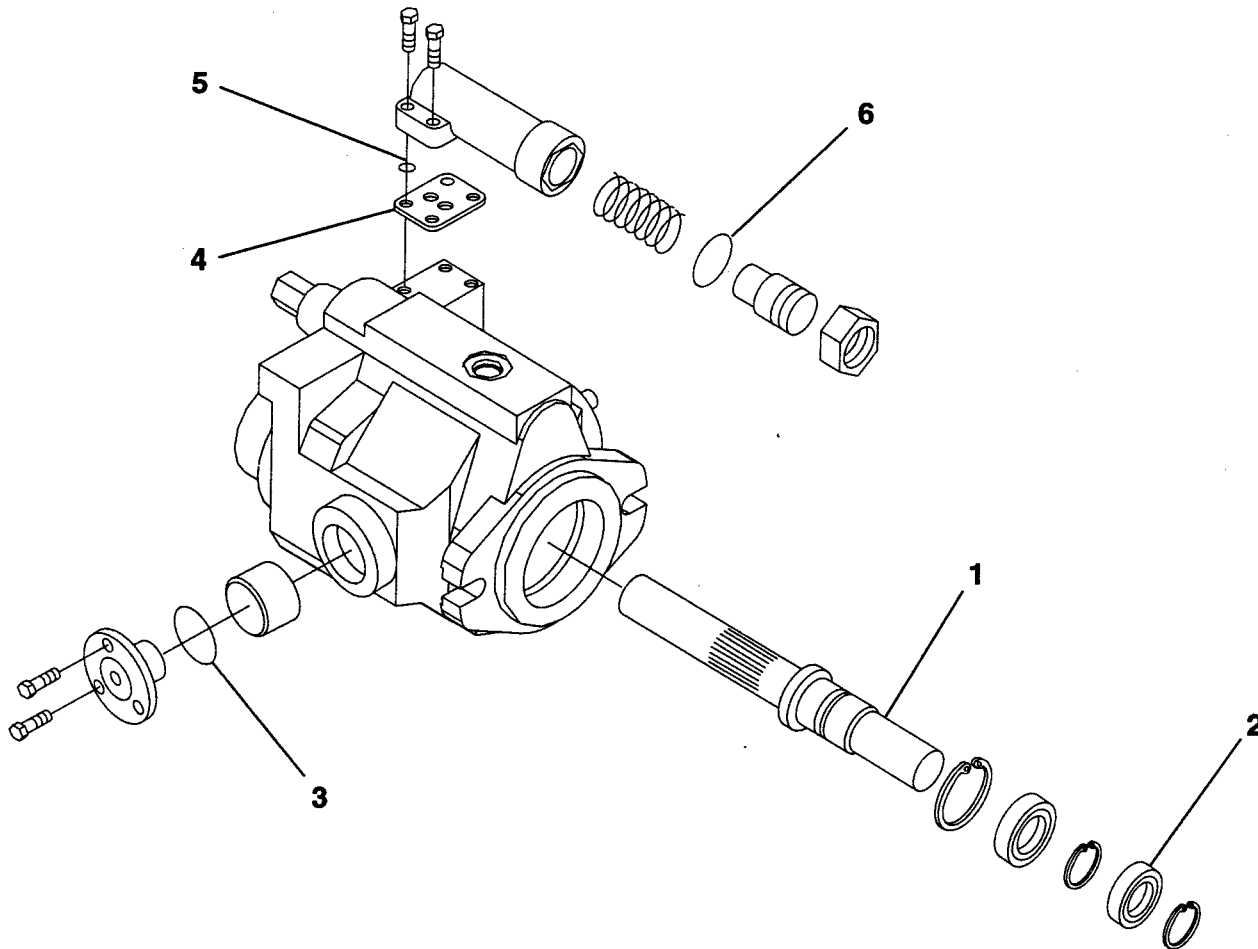




## Pump Drives

Ref. No.	Part Number	Description	Quantity
37	7430-263	Connector, 1-1/16" x 3/4" - with O-Ring	2
	45259-508-15	O-Ring, 1-1/16" (For above fitting)	As Req
38	7651-052-35	Hose Assembly, <i>Brake Valve to Reservoir</i>	1
39	7650-027-35-01	Hose Assembly, <i>Brake Valve to Pump</i>	1
40	7430-355	Tee, 3/8" Swivel Nut	1
41	7430-228	Cap, 3/8"	1
42	7430-279	Elbow, 90° 7/8" x 1/2" - with O-Ring	1
	45259-508-71	O-Ring, 7/8" (For above fitting)	As Req
43	7430-285	Elbow, 90° 1-5/16" x 1" - with O-Ring	2
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
44	7430-267	Connector, 1-5/16" x 1" - with O-Ring	1
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
45	7430-284	Elbow, 90° 1-1/16" x 1" - with O-Ring	1
	45259-508-15	O-Ring, 1-1/16" (For above fitting)	As Req
46	45890-300-02	Capscrew, M10 x 30 - Hex Head	12
47	45890-301-10	Lockwasher, 10mm - Style 79	14
48	7025-016	Capscrew, 3/8" NC x 1-3/4" - Sockethead	8
49	45890-303-69	Capscrew, 10mm x 1.5 x 30 - Sockethead	2
50	7394-069	Capscrew, 1/2" NF x 1-1/4"	8
51	7383-036	Capscrew, 3/8" NC x 3/4"	4
52	7014-003	Lockwasher, 3/8"	25
53	7014-018	Washer, 3/8"	2
54	7072-148	Carriage Bolt, 5/8" NC x 1-1/2"	1
55	7012-029	Hex Nut, 5/8" NC	8
56	7014-007	Lockwasher, 5/8"	8
57	7014-022	Washer, 5/8"	10
58	9704-314-92	Shim	10
59	7025-020	Capscrew, 1/2" NC x 1" - Sockethead	4
60	7012-027	Hex Nut, 1/2" NC	6
61	7465-001	Washer, 1/2" - Hardened Flat	4
62	7383-039	Capscrew, 3/8" NC x 1-1/4"	2
63	7465-014	Washer, 3/8" - Hardened Flat	2
64	7383-070	Capscrew, 1/2" NC x 1-1/2"	4
65	7014-005	Lockwasher, 1/2"	4
66	45890-301-11	Washer, M12 x 18 x 2.5	2
67	45890-300-54	Capscrew, 12mm - Sockethead	2
68	45905-017-07	Mount, Engine	4
69	8049A06	Washer, 1/4" Thick	4
70	7383-108	Capscrew, 5/8" NC x 3-1/2"	2
71	7383-106	Capscrew, 5/8" NC x 3"	2
72	45890-102-29	Locknut, 5/8" NC	4
73	7383-039	Capscrew, 3/8" NC x 1-1/4"	8
74	7012-025	Hex Nut, 3/8" NC	11
75	7014-018	Washer, 3/8"	4
76	7383-027	Capscrew, 5/16" NC x 2-1/4"	2
77	7014-002	Lockwasher, 5/16"	2
78	7012-024	Hex Nut, 5/16" NC	2
79	7509-008	Clamp, 15/16"	3
80	7072-053	Carriage Bolt, 3/8" NC x 1-1/4"	3

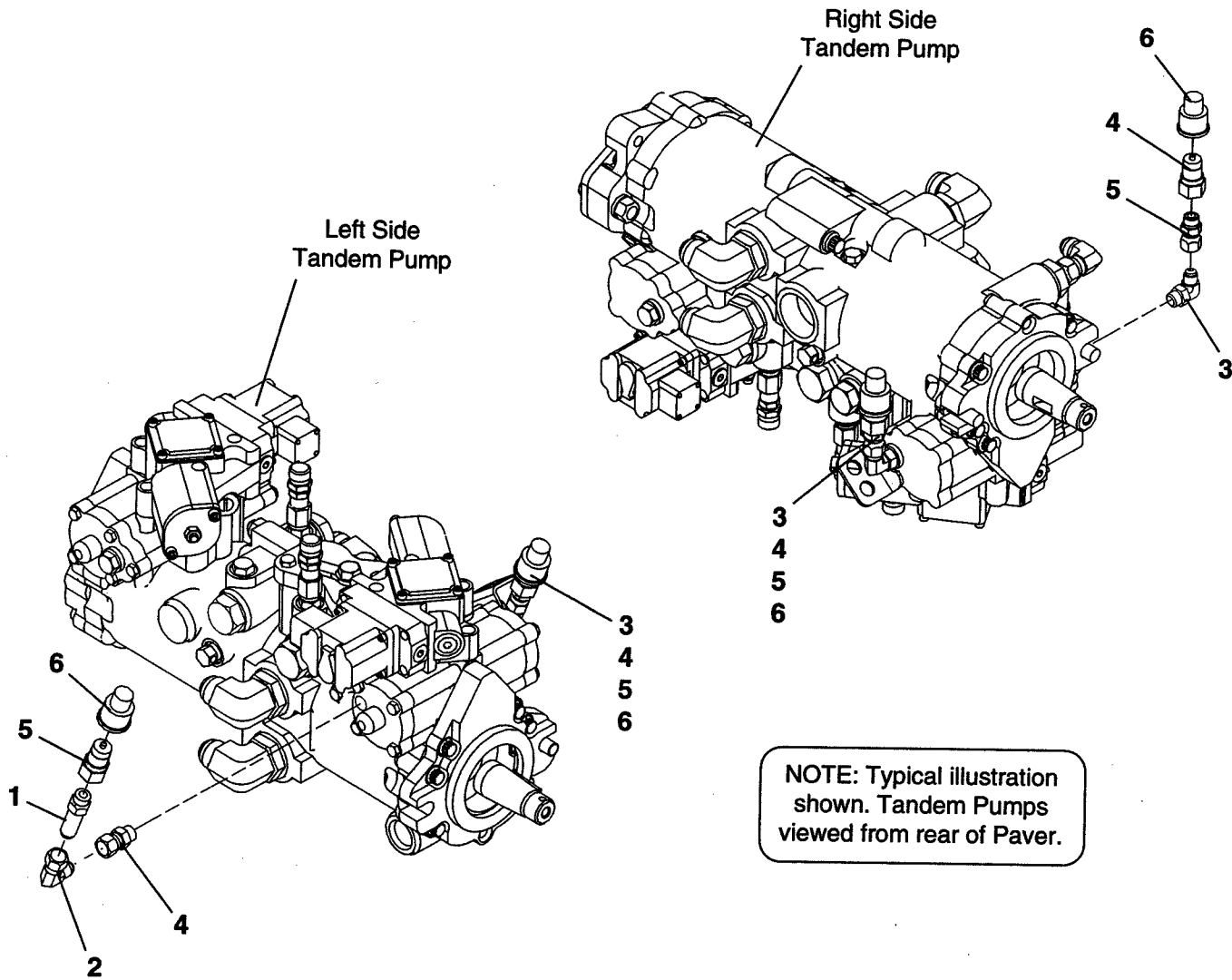
**Auxiliary Pump**



Ref. No.	Part Number	Description	Quantity
	45080-002-10	Auxiliary Pump - Complete	
1	45080-002-24-03	Spline, 9-Tooth	1
2	45080-002-10-03	Seal, Shaft	1
3	Consult Factory	O-Ring	2
	Consult Factory	Control Kit - PC (3000 PSI)	
4	45080-002-10-02	Gasket	1
5	45080-002-10-01	O-Ring	1
6	Consult Factory	O-Ring	1
7	45080-002-10-04	Seal Kit - Complete	1

**NOTE:** Only replacement parts identified. For further parts breakdown please consult factory.

**Pressure Test Fittings - Hydraulic Pumps**



NOTE: Typical illustration shown. Tandem Pumps viewed from rear of Paver.

Ref. No.	Part Number	Description	Quantity
1	45720-776-03	Adapter, 3/8" x 3/8"	1
2	7430-383	Elbow, 90° 3/8" Swivel Nut	1
3	7430-275	Elbow, 90° 9/16" x 3/8" - with O-Ring	3
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
4	7430-432	Connector, 3/8" x 3/8"	4
5	45191-504-33-01	Nipple, 3/8" Quick Disconnect	4
6	45191-504-33-04	Cap, Dust	4



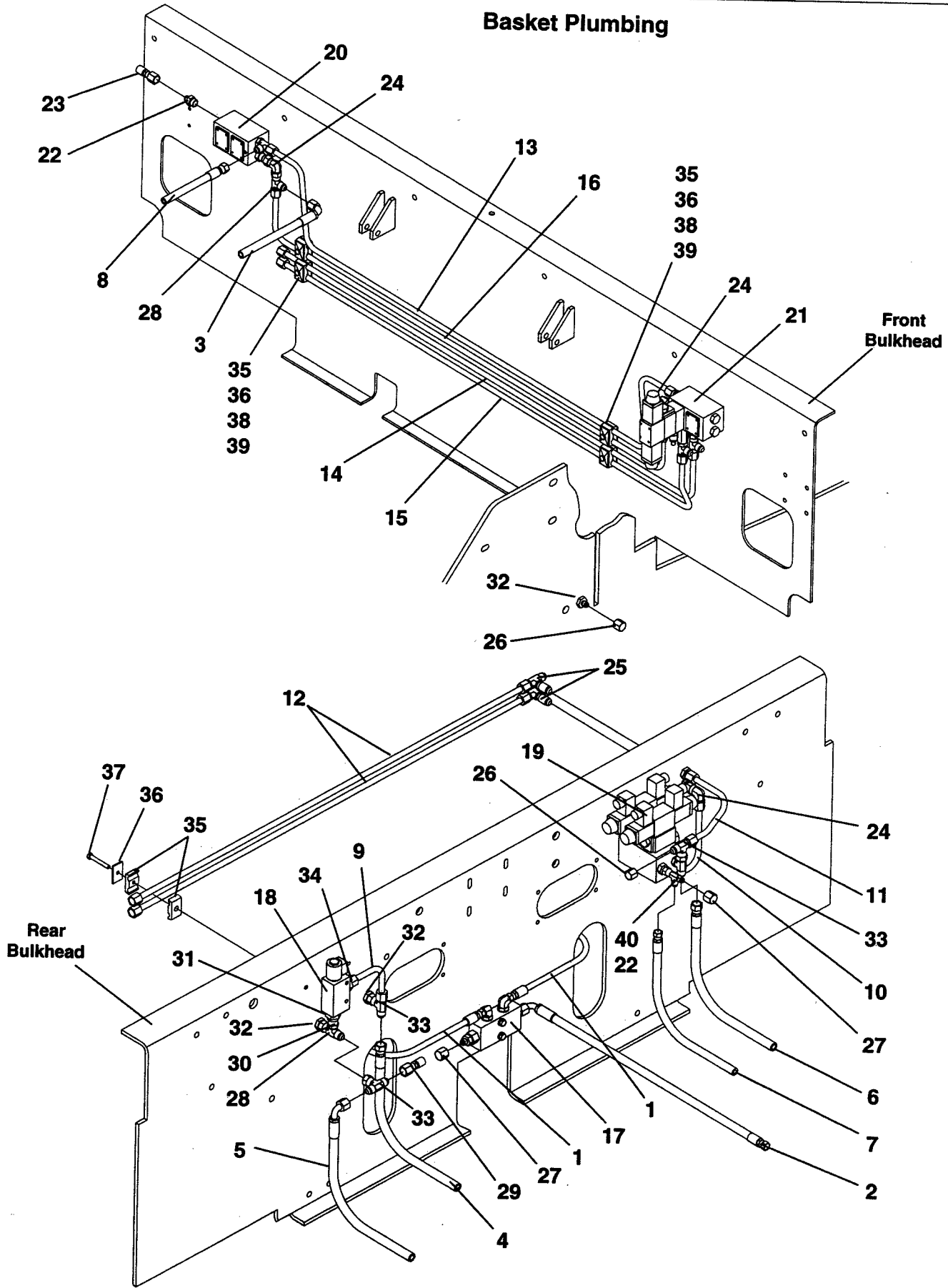


## Conveyor and Auger Drive

Ref. No.	Part Number	Description	Quantity
1	9704-009-53	Plate, Conveyor Drive	2
2	1388A10L	Sprocket	2
3	40802-001-50	Key	2
4	7131-076	Setscrew, 3/8" NC x 1/2"	2
5	7131-078	Setscrew, 3/8" NC x 3/4"	2
6	45080-004-81	Motor, Hydraulic	2
	Consult Factory	Seal Kit (For Above Motor)	As Req
7	7383-068	Capscrew, 1/2" NC x 1"	4
8	1206B10	Adjusting Lug, Bearing	2
9	7012-008	Square Nut, 3/4" NC	2
10	9704-154-42	Cover, Front	1
11	9704-151-07	Chain	2
12	7430-264	Connector, 1-5/16" x 3/4" - with O-Ring	4
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
13	7430-416	Connector, 7/16" x 3/8"	2
14	7663-062-34	Hose Assembly, Conveyor	4
15	9704-251-78	Shaft, Auger Drive	2
16	45134-010-41	Flange Bearing, 1-15/16" Bore	2
	9704-253-51	Plate, Inner Bearing Adapter	2
	7383-026	Capscrew, 5/16" NC x 2"	8
	7389-045	Capscrew, 1/2" NC x 1-1/4" - Sockethead	8
17	9704-251-74	Plate, Seal - Auger Bearing	2
18	7389-048	Capscrew, 1/2" NC x 2" - Sockethead	8
19	7012-027	Hex Nut, 1/2" NC	8
20	7389-043	Capscrew, 1/2" NC x 3/4" - Sockethead	8
21	9704-155-84	Tube, Grease - Short	2
22	9704-205-65	Tube Assembly	2
23	7430-008	Connector, 1/8" x 1/4"	2
24	7051-002	Fitting, Grease 1/8"	2
25	7383-069	Capscrew, 1/2" NC x 1-1/4"	8
26	7014-005	Lockwasher, 1/2"	12
27	7014-020	Washer, 1/2"	8
28	7383-071	Capscrew, 1/2" NC x 1-3/4"	8
29	7014-005	Lockwasher, 1/2"	8
30	7383-036	Capscrew, 3/8" NC x 3/4"	2
31	7014-018	Washer, 3/8"	2
32	7014-003	Lockwasher, 3/8"	2
33	7012-030	Hex Nut, 3/4" NC	2
34	7153-023	Capscrew, Adjusting Bolt	2
35	7014-023	Washer, 3/4"	4
36	7430-426	Elbow, 45° 3/8" Swivel	1
37	46185-001-13	Clamp, Hose - 1/4"	2
38	7383-038	Capscrew, 3/8" NC x 1"	2
39	7014-003	Lockwasher, 3/8"	2
40	7012-025	Hex Nut, 3/8" NC	2
41	Reference	See Main Frame Parts, Section 3	



**Basket Plumbing**

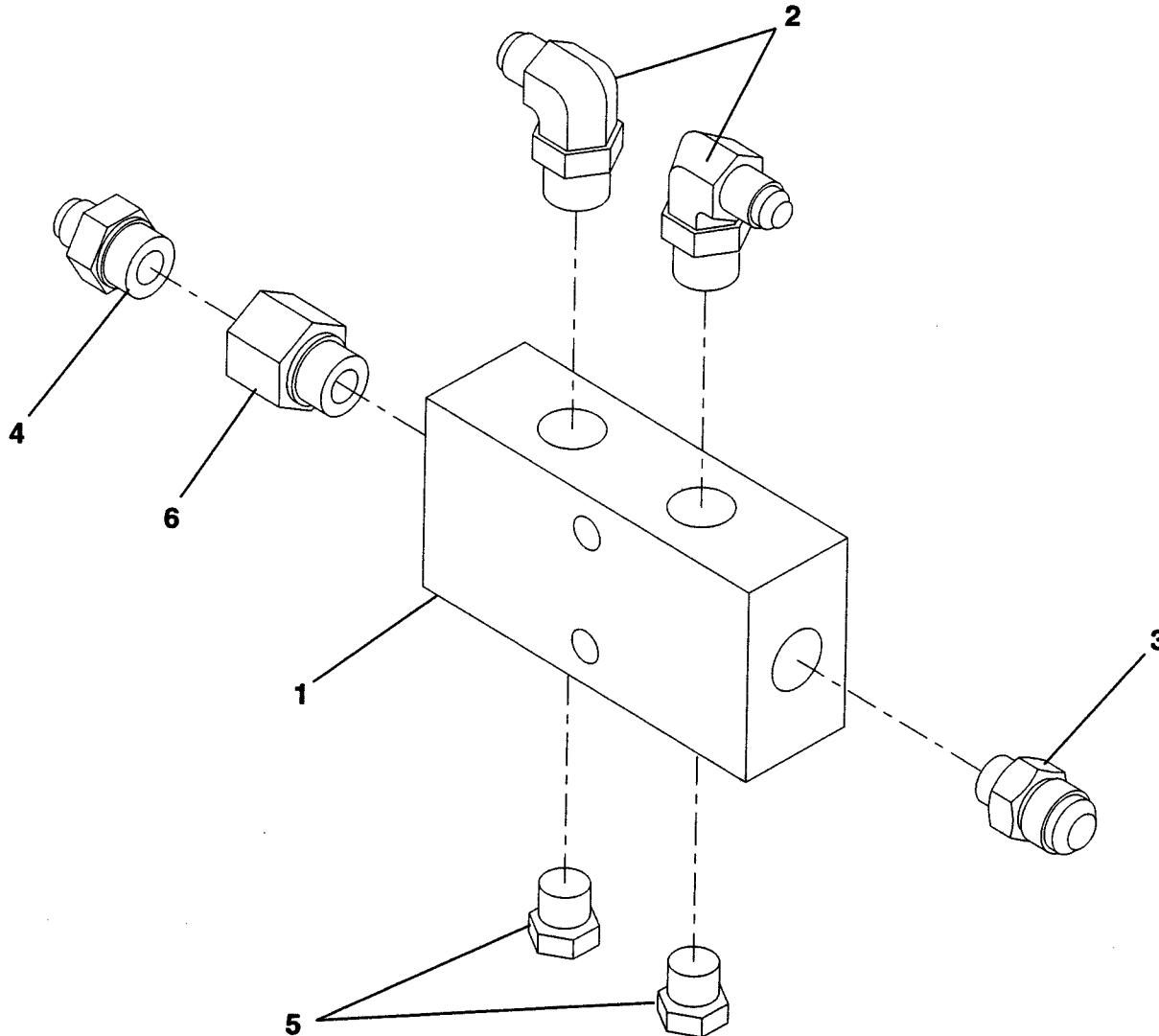


## Basket Plumbing

Ref. No.	Part Number	Description	Quantity
1	7651-018-33	Hose Assembly	2
2	7652-114-33	Hose Assembly, <i>Return Manifold to Tank</i>	1
3	7652-037-35	Hose Assembly, <i>Bulkhead to Reservoir</i>	1
4	7652-140-33	Hose Assembly, <i>to Supercharge Filter</i>	1
5	7652-070-35	Hose Assembly, <i>Vibrator Valve to Vibrator Pump</i>	1
6	7652-085-33	Hose Assembly, <i>Screed Valve to Reservoir</i>	1
7	7651-066-33-01	Hose Assembly, <i>Screed Valve to Pump</i>	1
8	7651-052-35-01	Hose Assembly, <i>Bulkhead to Pump</i>	1
9	9704-656-73	Tube Assembly, <i>Vibrator Return</i>	1
10	9704-661-76	Tube Assembly, <i>Screed Lift</i>	1
11	9704-658-41	Tube Assembly, <i>Screed Lower</i>	1
12	9704-658-39	Tube Assembly, <i>Screed Cylinder</i>	2
13	9704-658-35	Tube Assembly, <i>Valve Pressure Crossover</i>	1
14	9704-658-37	Tube Assembly, <i>Upper Hopper Wing</i>	1
15	9704-658-38	Tube Assembly, <i>Lower Hopper Wing</i>	1
16	9704-658-36	Tube Assembly, <i>Valve Return Crossover</i>	1
17	Reference	<i>See Return Manifold Assembly, This Section</i>	1
18	45252-004-59	Valve, <i>Vibrator Solenoid</i>	1
19	Reference	<i>See Screed Lift Valve Assembly, This Section</i>	1
20	Reference	<i>See Valve Assembly - Left Front Bulkhead, This Section</i>	1
21	Reference	<i>See Valve Assembly - Right Front Bulkhead, This Section</i>	1
22	7430-253	Connector, 3/4" x 3/8" - with O-Ring	2
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
23	45080-527-18	Test Fitting, 3/8"	1
24	7430-405	Elbow, 90° 1/2" Swivel	3
25	7430-393	Tee, 1/2" Bulkhead	2
26	7430-229	Cap, 1/2"	2
27	7430-228	Cap, 3/8"	2
28	7430-345	Tee, 1/2" Swivel Nut - Male Branch	2
29	45080-527-16	Test Fitting, 1/2"	1
30	7430-401	Connector, 1/2" x 1/2"	1
31	45720-775-12	Reducer, 3/4" x 1/2"	1
32	7430-367	Union, 1/2" Bulkhead	3
33	7430-356	Tee, 1/2" Swivel Nut - Male Run	3
34	7430-257	Connector, 1-1/16" x 1/2" - with O-Ring	1
	45259-508-15	O-Ring, 1-1/16" (For above fitting)	As Req
35	45080-529-23	Clamp Half, 1/2"	10
36	40580-529-26	Plate, Clamp Cover	5
37	{ 7383-027	Capscrew, 5/16" NC x 2-1/4"	1
	{ 7014-002	Lockwasher, 5/16"	1
	{ 7012-024	Hex Nut, 5/16" NC	1
38	7383-024	Capscrew, 5/16" NC x 1-1/2"	4
39	7014-002	Lockwasher, 5/16"	4
40	7430-344	Tee, 3/8" Swivel Nut - Male Branch	1



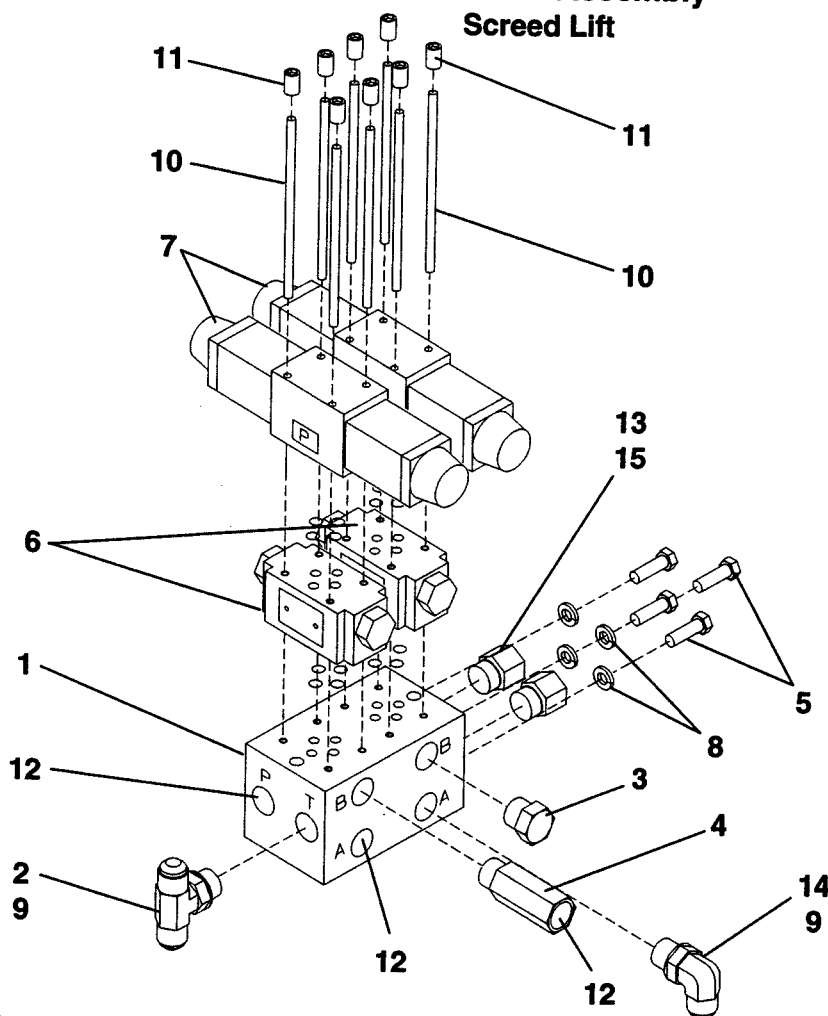
**Return Manifold Assembly**



Ref. No.	Part Number	Description	Quantity
	9704-658-77	Manifold Assembly - Complete	1
1	9704-655-84	Block	1
2	7430-276	Elbow, 90° 3/4" x 3/8" - with O-Ring	2
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req
3	7430-256	Connector, 7/8" x 1/2" - with O-Ring	1
	45259-508-71	O-Ring, 7/8" (For above fitting)	As Req
4	7430-253	Connector, 3/4" x 3/8" - with O-Ring	1
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
5	7430-382	Plug, 3/4" - with O-Ring	2
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
6	45720-775-34	Reducer, 5/8" x 1/2"	1



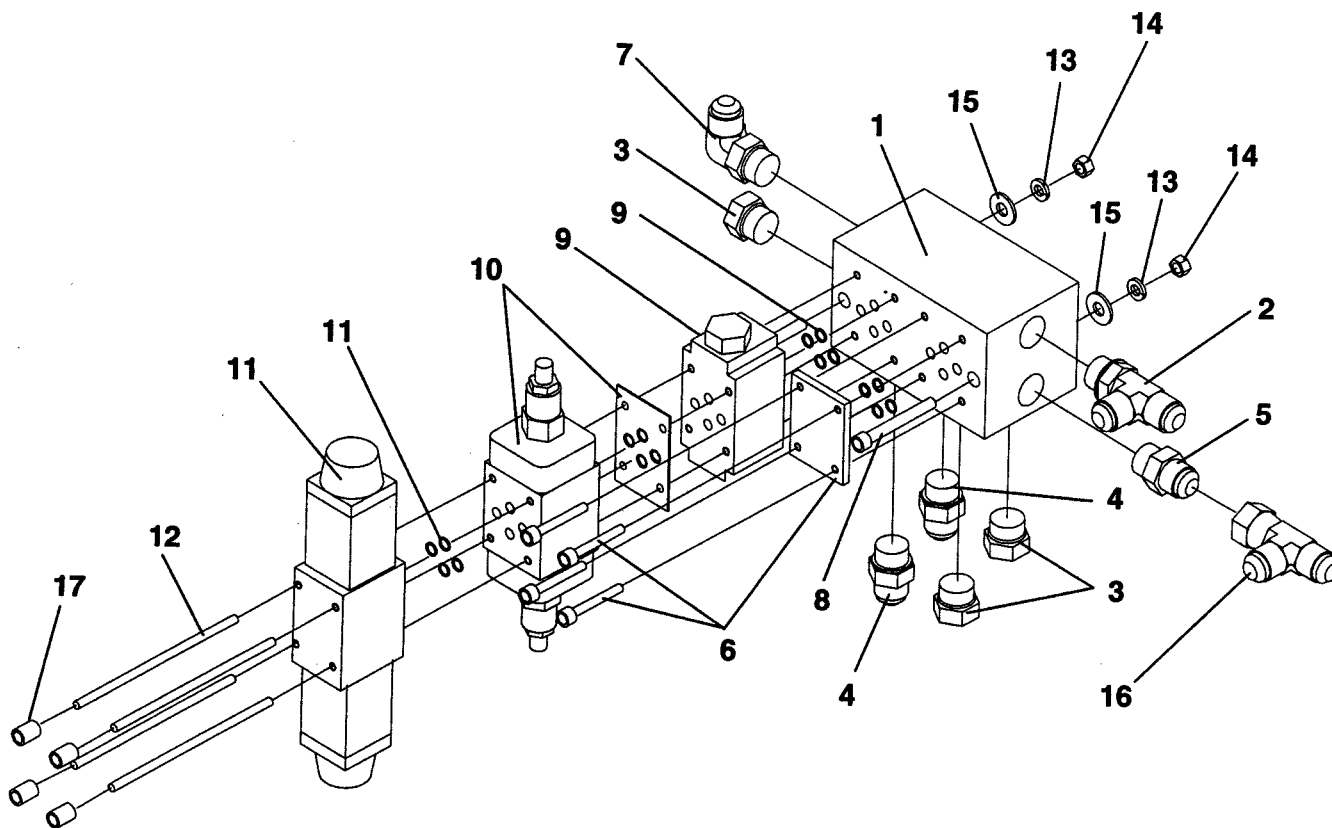
**Valve Assembly  
Screed Lift**



Ref. No.	Part Number	Description	Quantity
	9704-661-75	Valve Assembly - Complete	
1	45252-501-03	Block, Valve	1
2	7430-303	Tee, 3/4" x 1/2" Branch - with O-Ring	1
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req
3	7430-382	Plug, 3/4" - with O-Ring	1
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
4	45090-001-42	Valve, Throttle	2
5	7383-022	Capscrew, 5/16" NC x 1"	4
6	45252-014-10	Valve, Holding - with O-Rings	2
7	45252-005-51	Valve, Solenoid - with O-Rings	2
8	7014-002	Lockwasher, 5/16"	4
9	45191-509-10	Capplugs, 3/4" (Not Shown)	3
10	45890-501-23	Stud, #10-24 x 2-7/8"	8
11	45890-100-23	Studnut	8
12	45191-509-09	Capplugs	3
13	45720-775-29	Fitting, 3/4" x 1/4" - with O-Ring	2
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
14	7430-278	Elbow, 90° 3/4" x 1/2" - with O-Ring	1
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req
15	45191-509-05	Caplug	2



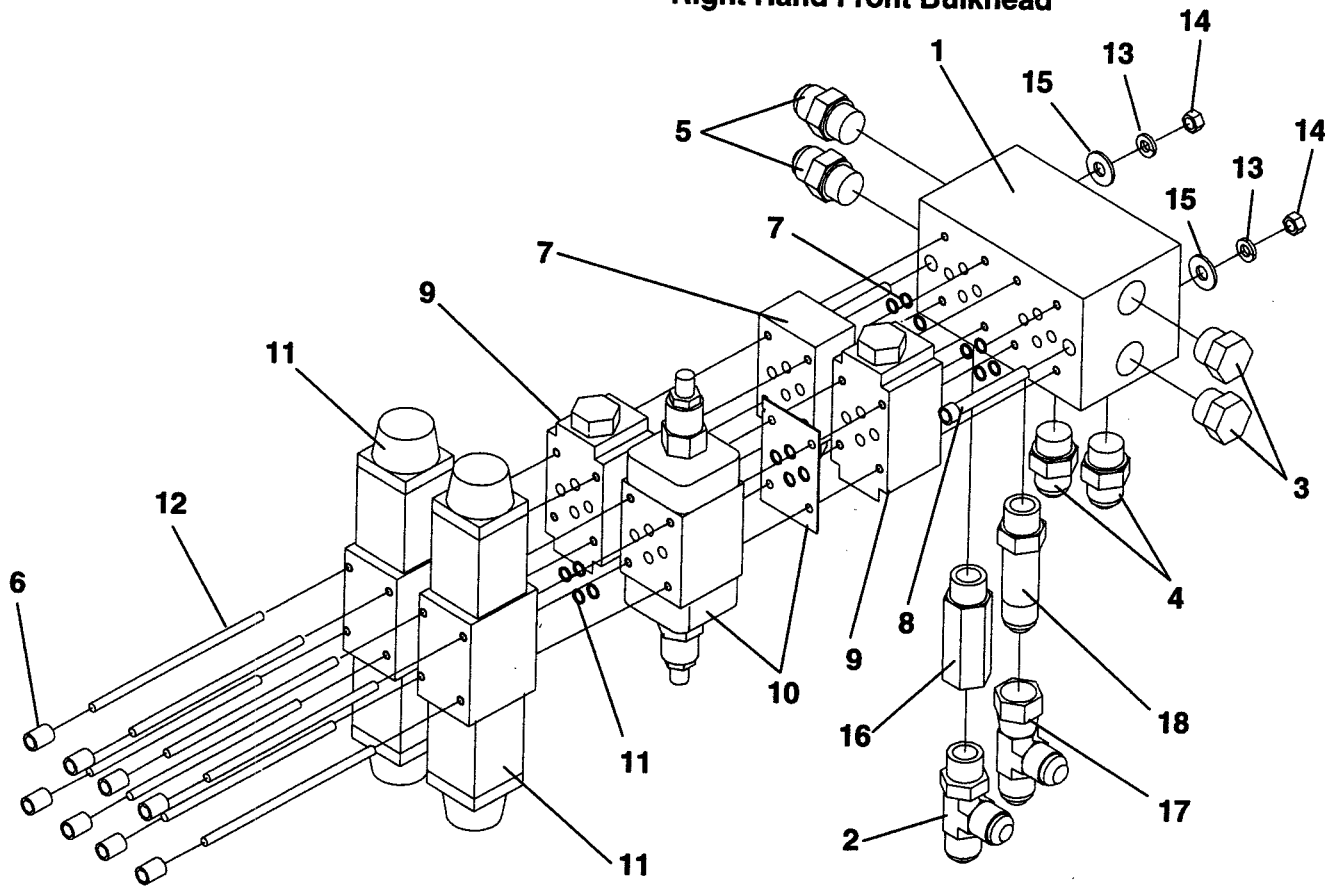
### Valve Assembly Left Hand Front Bulkhead



Ref. No.	Part Number	Description	Quantity
	9704-661-47	Valve Assembly - Complete	
1	45252-501-03	Block, Valve	1
2	7430-292	Tee, 1/2" Run - with O-Ring	1
	45259-508-46	O-Ring, 1/2" (For above fitting)	As Req
3	7430-382	Plug, 3/4" - with O-Ring	3
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
4	7430-253	Connector, 3/4" x 3/8" - with O-Ring	2
	45259-518-14	O-Ring, 3/4" (For above fitting)	As Req
5	7430-255	Connector, 3/4" x 1/2" - with O-Ring	1
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req
6	45252-503-02	Cover Plate (Includes Hardware & O-Rings)	1
7	7430-278	Elbow, 90° 3/4" x 1/2" - with O-Ring	1
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req
8	7025-079	Cap screw, 1/4" NC x 3" - Sockethead	2
9	45252-014-10	Valve, Holding - with O-Rings	1
10	45252-007-20	Valve, Flow Control	1
11	45252-005-51	Valve, Solenoid - with O-Rings	1
12	45890-501-19	Stud, #10-24 x 4 3/4"	1
13	7014-001	Lockwasher, 1/4"	4
14	7012-023	Hex Nut, 1/4" NC	2
15	7014-016	Washer, 1/4"	2
16	7430-345	Tee, 1/2" Swivel Nut - Male Branch	2
17	45890-100-23	Stud Nut	1
			4

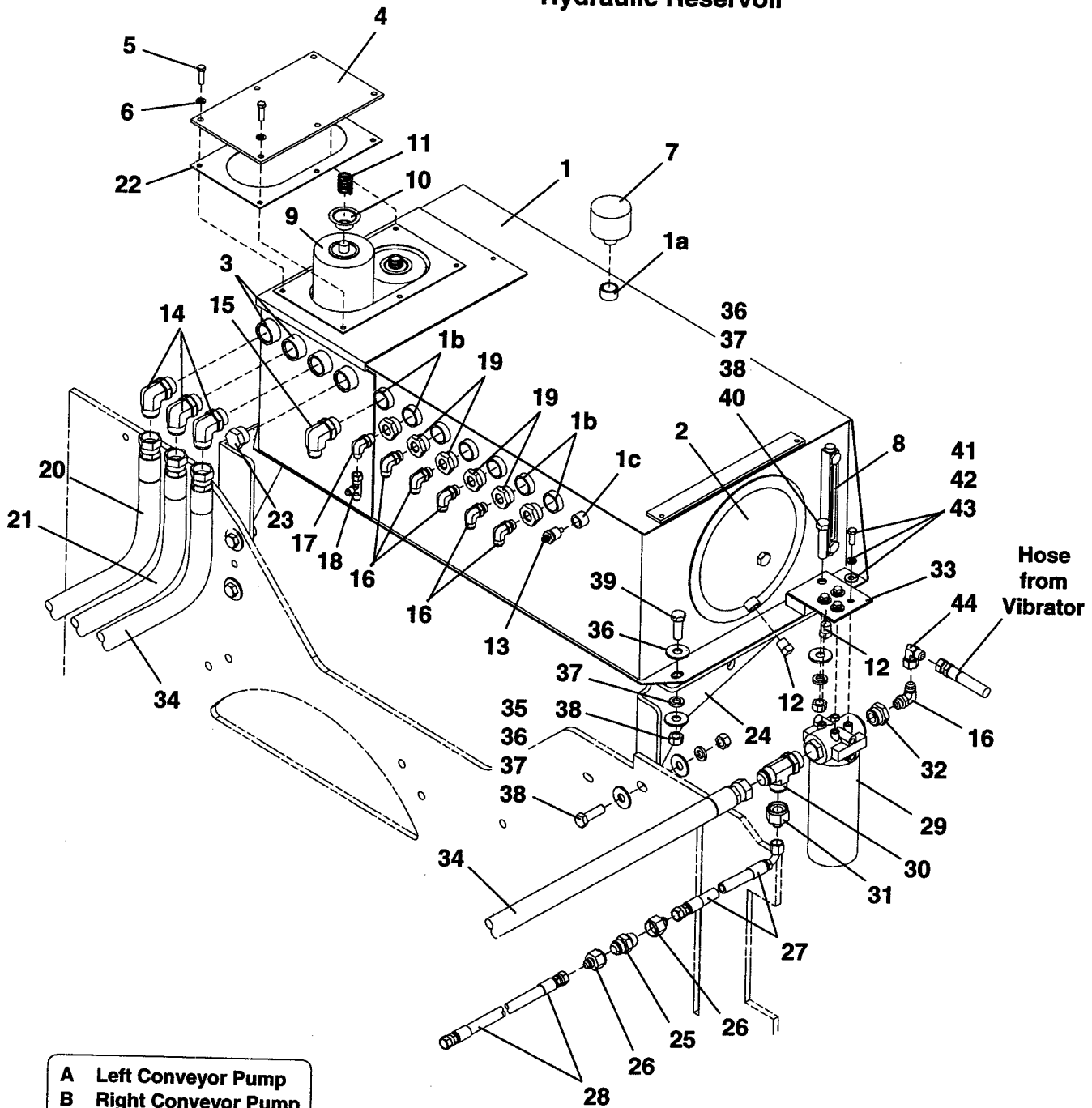


**Valve Assembly  
Right Hand Front Bulkhead**

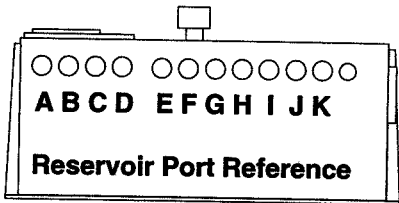


Ref. No.	Part Number	Description	Quantity
1	9704-661-48	Valve Assembly - Complete	1
2	45252-501-03	Block, Valve	1
3	7430-292	Tee, 1/2" Run - with O-Ring	As Req
4	45259-508-46	O-Ring, 1/2" (For above fitting)	2
5	7430-382	Plug, 3/4" - with O-Ring	As Req
6	45259-518-14	O-Ring, 3/4" (For above fitting)	2
7	7430-253	Connector, 3/4" x 3/8" - with O-Ring	As Req
8	45259-518-14	O-Ring, 3/4" (For above fitting)	2
9	7430-255	Connector, 3/4" x 1/2" - with O-Ring	As Req
10	45259-508-14	O-Ring, 3/4" (For above fitting)	2
11	45890-100-23	Studnut	8
12	45252-007-17	Valve, Needle - with O-Rings	1
13	7025-079	Capscrew, 1/4" NC x 3" - Sockethead	2
14	45252-014-10	Valve, Holding - with O-Rings	2
15	45252-007-20	Valve, Flow Control	1
16	45252-005-51	Valve, Solenoid - with O-Rings	2
17	45890-501-19	Stud, # 10 - 24 x 4 3/4"	8
18	7014-001	Lockwasher, 1/4"	2
19	7012-023	Hex Nut, 1/4"	2
20	7430-016	Washer, 1/4" Flat	2
21	45090-001-42	Valve, Throttle	1
22	7430-345	Tee, 1/2" Swivel Nut - Male Branch	1
23	45720-775-82	Fitting, 1/2"	1

**Hydraulic Reservoir**



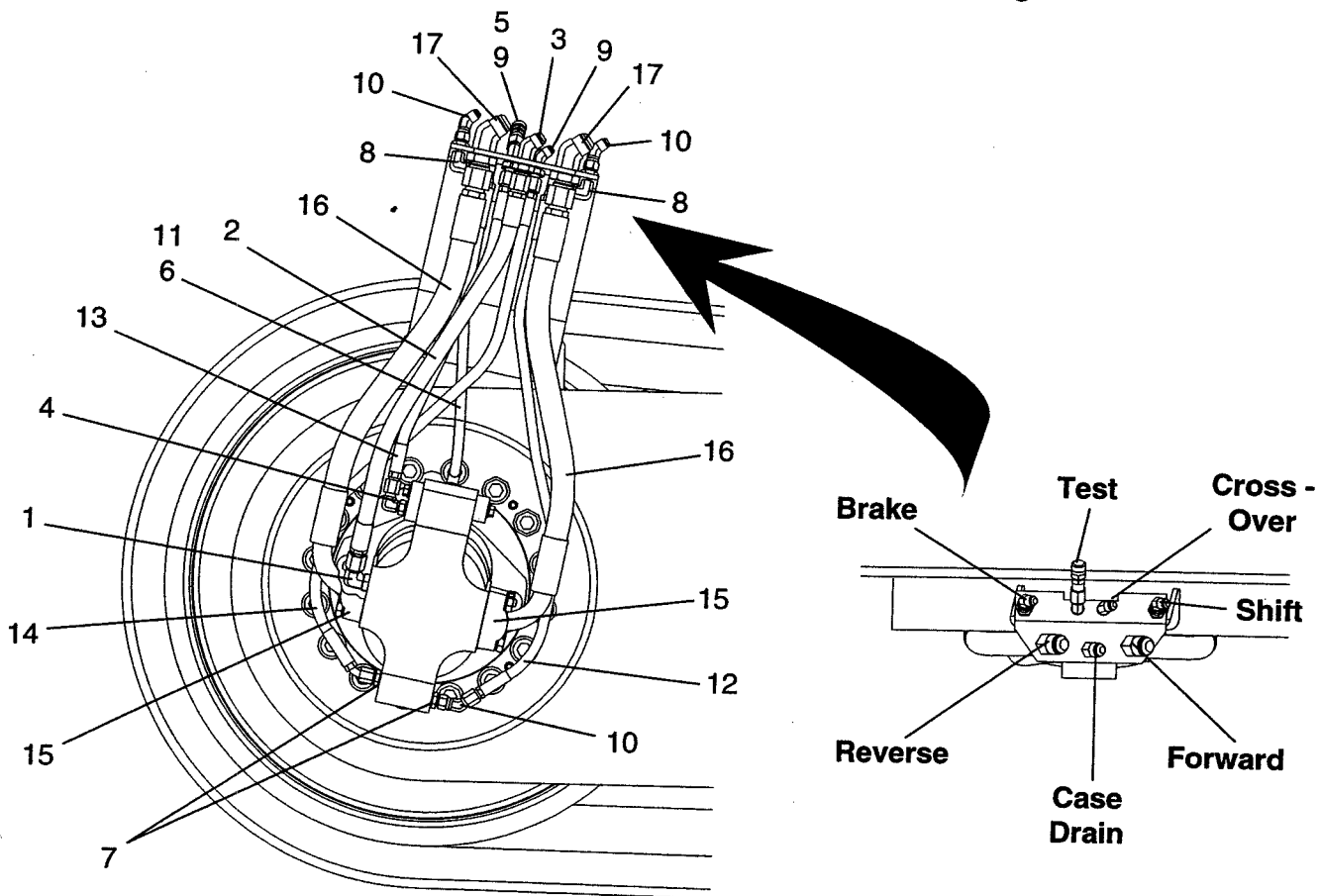
- A** Left Conveyor Pump
- B** Right Conveyor Pump
- C** Fan / Vibrator Pump
- D** Port Closed
- E** Oil Cooler Return
- F** Auxiliary Pump Case
- G** Screed Lift Valve
- H** Filter Return
- I** Conveyor Motor Case
- J** Fan Motor Drain
- K** Front Bulkhead



## Hydraulic Reservoir

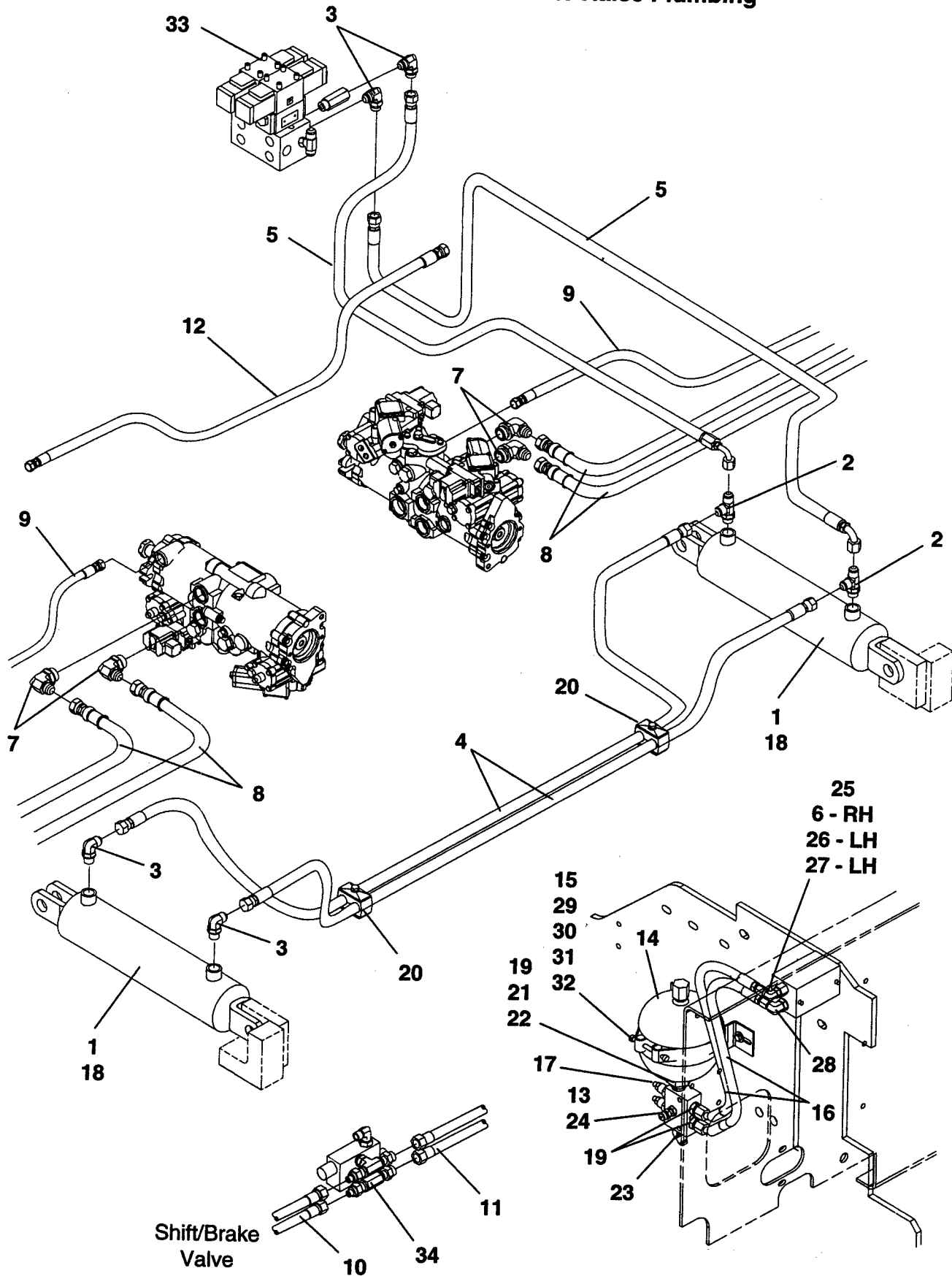
Ref. No.	Part Number	Description	Quantity
1	9704-314-72	Reservoir - Complete	1
1a	7054-005	Half Coupling, 3/4"	2
1b	45720-776-13	Weld Boss Fitting, 1-5/16"	7
1c	7054-004	Half Coupling, 1/2"	1
2	45080-519-16	Cover	1
3	45720-776-23	Elbow, 90°	4
4	Consult Factory	Plate, Filter Cover	1
5	7383-035	Capscrew, 3/8" NC x 5/8"	6
6	7014-003	Lockwasher, 3/8"	6
7	45215-502-03	Cap, Breather Fill	1
8	45865-001-30	Gauge, Oil Level	1
9	45175-509-03	Element, Filter - 10 Micron	2
10	45175-001-25-03	Cup, Valve	2
11	45870-001-34	Spring	2
12	7024-013	Pipe Plug, 3/4"	2
13	45865-003-18	Sender, Temperature	1
14	7430-285	Elbow, 90° 1-5/16" x 1" - with O-Ring	3
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
15	7430-285	Elbow, 90° 1-5/16" x 1" - with O-Ring	1
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
16	7430-278	Elbow, 90° 3/4" x 1/2" - with O-Ring	6
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req
17	7430-276	Elbow, 90° 3/4" x 3/8" - with O-Ring	1
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req
18	7430-344	Tee, 3/8" Swivel Nut - Male Branch	1
19	45720-775-28	Reducer, 1" x 1/2"	6
20	7634-056-33	Hose Assembly - Left Conveyor Pump	1
21	7634-080-33	Hose Assembly - Right Conveyor Pump	1
22	9704-659-22	Gasket, Reservoir	1
23	7430-434	Plug, 1-5/16" - with O-Ring	1
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req
24	9704-314-73	Bracket, Left Hand Support	2
25	45252-010-25	Valve, Hi-Pressure In-Line	1
26	7430-330	Reducer, 3/4" to 1/2"	2
27	7652-018-35	Hose Assembly	1
28	7652-035-33	Hose Assembly	1
29	45175-001-41	Filter, Spin-On	1
	45175-001-41-01	Element (For above filter)	As Req
30	7430-296	Tee, 1" Run - with O-Ring	1
	45259-508-15	O-Ring, 1-1/16" (For above fitting)	As Req
31	7430-409	Reducer, 1" to 1/2"	1
32	45720-775-28	Reducer, 1" x 1/2"	1
33	9704-012-95	Bracket, Filter Mounting	1
34	7634-042-33	Hose Assembly - Fan / Vibrator Pump	2
35	7383-102	Capscrew, 5/8" NC x 2"	4
36	7014-022	Washer, 5/8"	15
37	7014-007	Lockwasher, 5/8"	8
38	7012-029	Hex Nut, 5/8" NC	8
39	7383-101	Capscrew, 5/8" NC x 1-3/4"	3
40	7383-105	Capscrew, 5/8" NC x 2-3/4"	1
41	7383-038	Capscrew, 3/8" NC x 1"	4
42	7014-018	Washer, 3/8"	4
43	7014-003	Lockwasher, 3/8"	4
44	7430-405	Elbow, 90° 1/2" Swivel Nut	1

### Rubber Track Plumbing



Ref. No.	Part Number	Description	Quantity
1	45720-776-12	Elbow, M18 x 1.5 x 1/2"	2
2	7652-024-33	Hose Assembly 1/2" ID x 24"	2
3	7430-411	Elbow, 45° 1/2" Union	2
4	45720-776-10	Elbow, M14 x 1.5 x 3/8"	2
5	45080-527-18	Fitting, Test 3/8"	2
6	7430-416	Connector, 3/8" x 1/4"	2
7	45720-775-49	Fitting, M14 x 1.5 x 3/8"	4
8	7430-379	Elbow, 90° 3/8" Union	4
9	7430-454	Elbow, 45° 3/8" Bulkhead	4
10	7430-426	Elbow, 45° 3/8" Swivel	6
11	7650-021-35-01	Hose Assembly, 1/4" ID x 21"	2
12	7650-032-35-02	Hose Assembly	2
13	7660-020-33-01	Hose Assembly	2
14	7660-032-34-01	Hose Assembly	2
15	45191-004-91	Clamp, Half 1"	8
	45259-508-11	O-Ring 1.296" ID 1-9/16"	4
	45890-300-66	Capscrew, M12 x 40 x 1.75	16
	45890-301-11	Washer, M12 x 18 x 2.5	16
16	7683-024-37-01	Hose Assembly, 3/4" ID x 24"	4
17	7430-430	Connector, 45° 3/4" Bulkhead	4

**Frame Raise Plumbing**

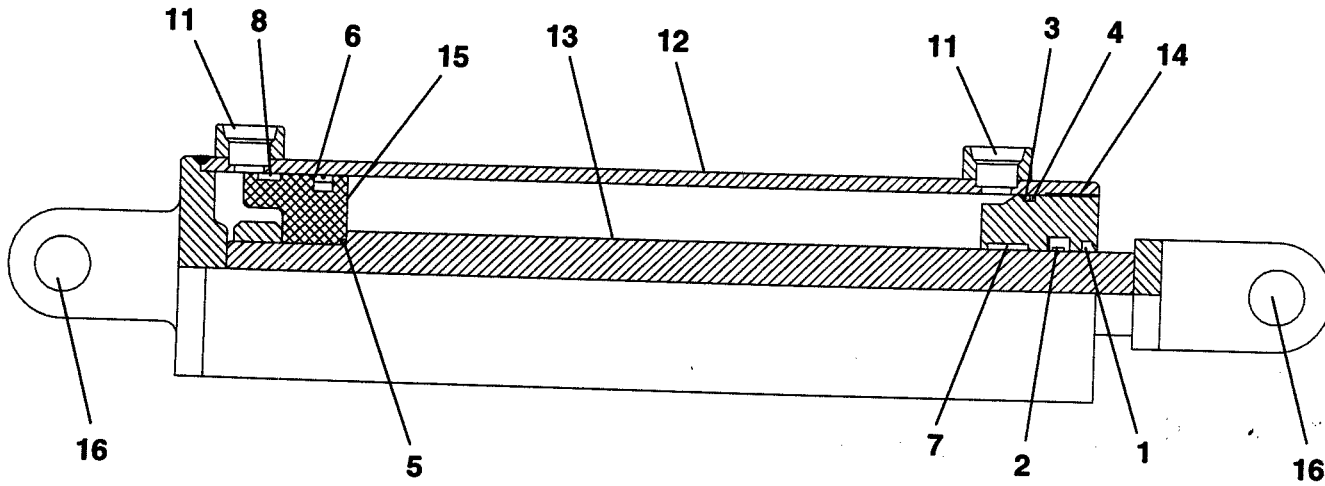




## Frame Raise Plumbing

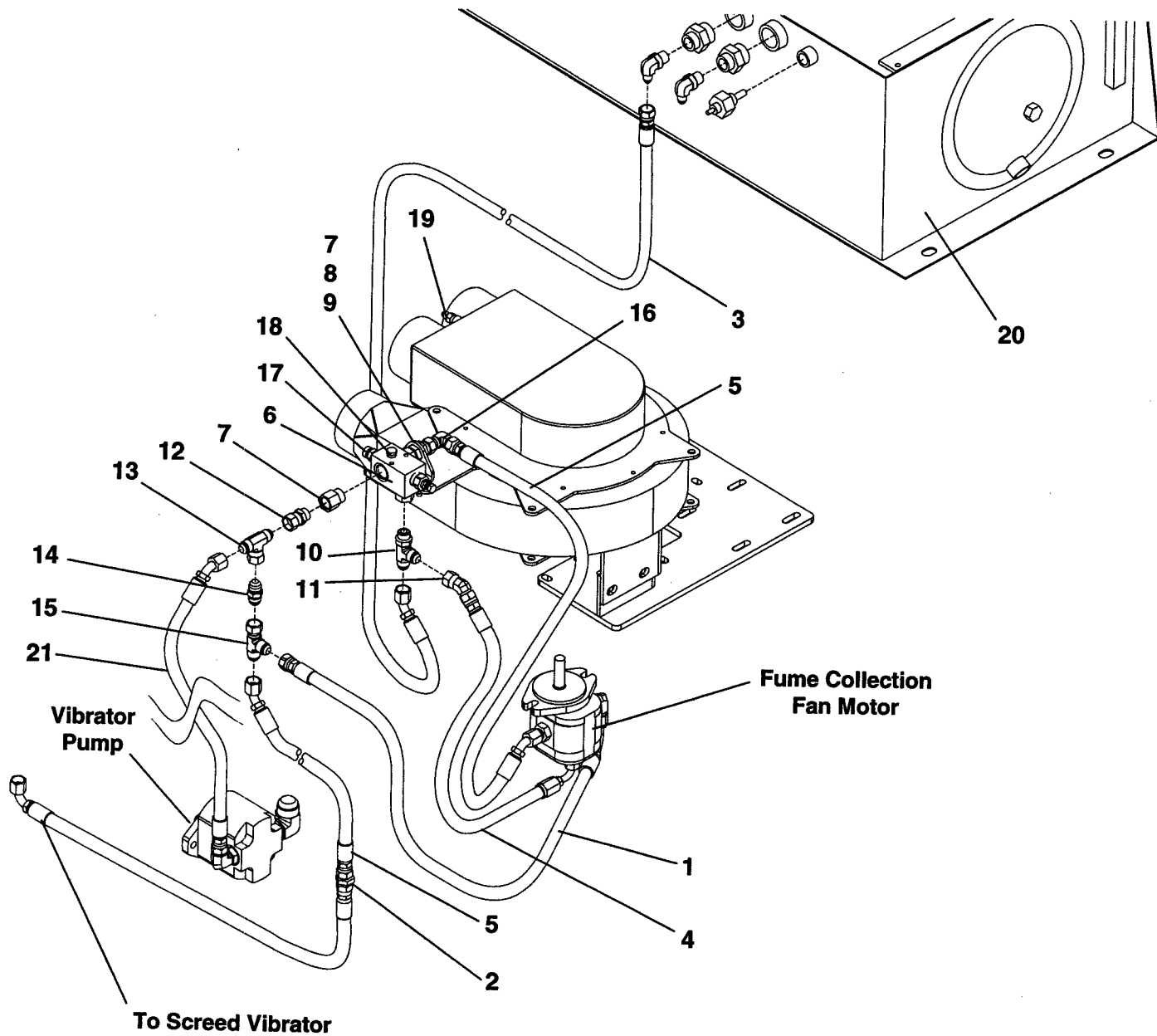
Ref. No.	Part Number	Description	Quantity	
1	45090-007-88	Cylinder, Hydraulic - <i>See Form #21715, This Section</i>	2	
2	7430-292	Tee, 1/2" Run - with O-Ring	2	
	45259-508-46	O-Ring, 1/2" (For above fitting)	As Req	
3	7430-278	Elbow, 90° 3/4" x 1/2" - with O-Ring	4	
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req	
4	7651-054-33-01	Hose Assembly	2	
5	7652-075-35	Hose Assembly	2	
6	7430-275	Elbow, 90° 9/16" x 3/8" - with O-Ring	1	
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req	
7	7430-378	Elbow, 90° 1-5/16" x 3/4" - with O-Ring	4	
	45259-508-17	O-Ring, 1-5/16" (For above fitting)	As Req	
8	7683-042-33	Hose Assembly, Brake and Shift	4	
9	7652-048-33	Hose Assembly, Case Drain	2	
10	7651-085-33	Hose Assembly	2	
11	7651-062-33	Hose Assembly	2	
12	7660-154-33-01	Hose Assembly, Track Crossover	1	
13	45080-527-04	Test Fitting, 1/4"	2	
14	45085-502-10	Accumulator	2	
15	45085-502-08-01	Clamp, Accumulator	2	
16	7651-029-34-01	Hose Assembly	4	
17	9704-062-67	Valve, Accumulator Charge	2	
18	7014-025	Washer, 1"	4	
	7430-255	Connector, 3/4" x 1/2" - with O-Ring	6	
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req	
20	{	45080-529-25	Clamp Half, 3/4"	4
		45080-529-27	Plate, Cover Clamp	2
		7383-024	Capscrew, 5/16" NC x 1-1/2"	2
		7014-002	Lockwasher, 5/16"	2
21	45259-508-14	O-Ring, 3/4"	2	
22	45720-775-12	Reducer, 1-1/16" to 3/4"	2	
23	7430-314	Elbow, 45° 3/4" x 1/2" - with O-Ring	2	
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req	
24	7430-399	Plug, 7/16" - with O-Ring	2	
	45259-508-12	O-Ring, 7/16" (For above fitting)	As Req	
25	45720-775-55	Reducer, 3/4" to 9/16"	2	
26	7430-291	Tee, 3/8" Run - with O-Ring	1	
	45259-508-12	O-Ring, 7/16" (For above fitting)	As Req	
27	45080-527-18	Fitting, 3/8" Male Test	1	
28	7430-276	Elbow, 90° 3/4" x 3/8" - with O-Ring	1	
	45259-508-14	O-Ring, 3/4" (For above fitting)	As Req	
29	7383-024	Capscrew, 5/16" NC x 1-1/2"	4	
30	7014-017	Washer, 5/16"	8	
31	7014-002	Lockwasher, 5/16"	4	
32	7012-024	Hex Nut, 5/16" NC	4	
33	Reference	<i>See Scred Lift Valve Assembly, This Section</i>		
34	Reference	<i>See Pump Drives, Section 6</i>		

**Hydraulic Cylinder**



Ref. No.	Part Number	Description	Quantity
	45090-007-88	Cylinder - Complete	
1	45090-007-88-01	Wiper	1
2	45090-007-88-02	Seal	1
3	45090-007-88-03	O-Ring	1
4	45090-007-88-04	Back-Up	1
5	45090-007-88-05	O-Ring	1
6	45090-007-88-06	Seal	1
7	45090-007-88-10	Wear Ring	1
8	45090-007-88-11	Wear Ring	1
9	45090-007-88-07	Locknut	1
10	45090-007-88-08	Cotter Pin	1
11	45090-007-88-09	Port Plug	2
12	45090-007-88-15	Tube Assembly	2
13	45090-007-88-16	Rod Assembly	1
14	45090-007-88-12	Head	1
15	45090-007-88-13	Piston	1
16	45090-007-88-14	Clevis Pin	1
17	45090-007-88-17	Seal Kit, Cylinder (Not Shown)	2
			1

**Hydraulic Plumbing  
Fume Recovery System**

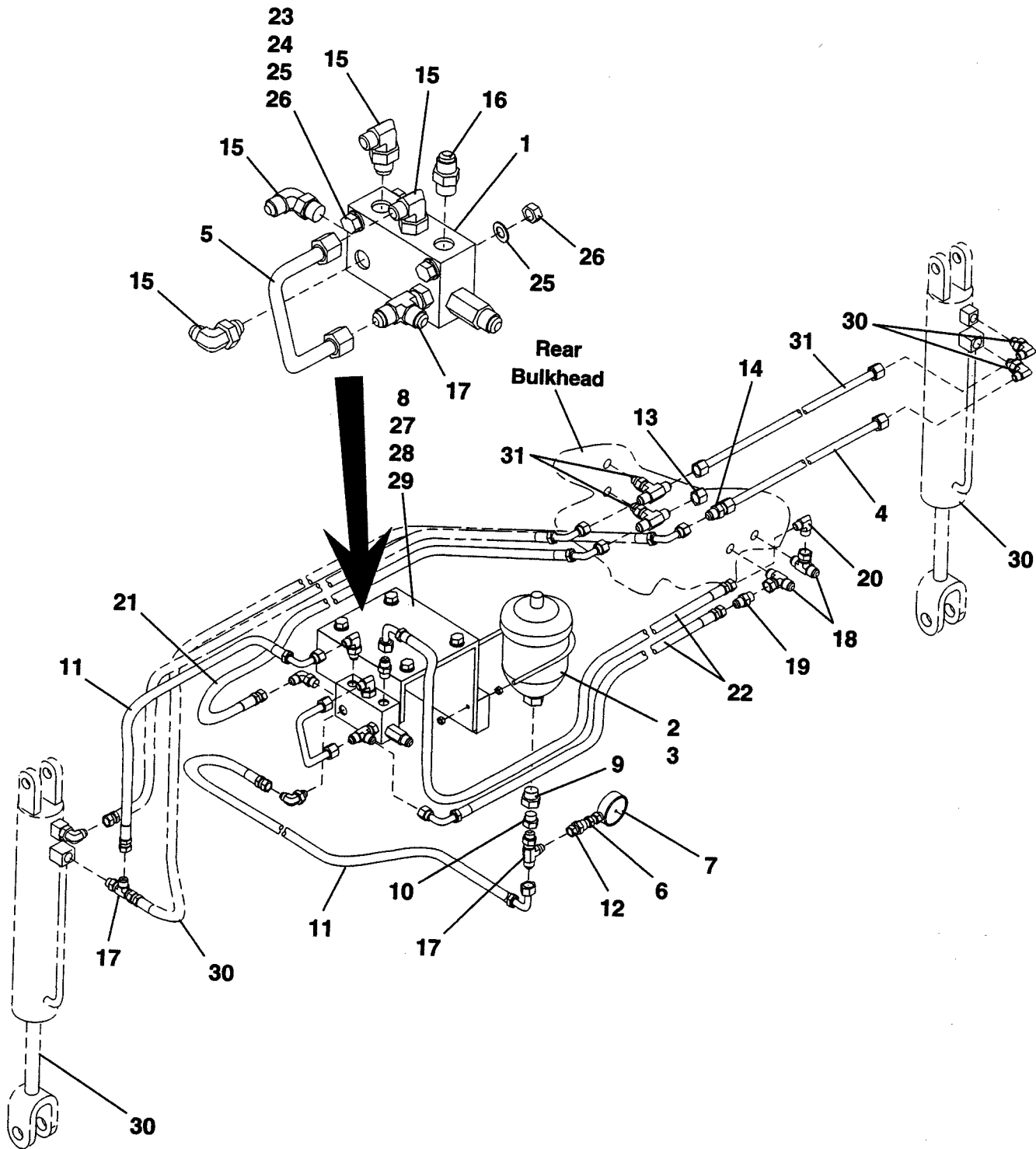




## Hydraulic Plumbing Fume Recovery System

Ref. No.	Part Number	Description	Quantity
1	7652-032-38	Hose Assembly	1
2	7430-385	Union, 1/2"	1
3	7652-102-34	Hose Assembly	1
4	7651-019-35-01	Hose Assembly	1
5	7652-030-34	Hose Assembly	2
6	45252-009-19	Valve	1
7	45720-775-34	Reducer, 5/8" to 1/2"	3
8	7430-367	Union, 1/2" Bulkhead	1
9	45259-508-14	O-Ring, 1/2"	1
10	7430-292	Tee, 1/2" Run - with O-Ring	1
	45259-508-46	O-Ring, 1/2" (For above fitting)	As Req
11	7430-414	Elbow, 45° 1/2" Swivel Nut	1
12	7430-401	Connector, 1/2" x 1/2"	1
13	7430-356	Tee, 1/2" Swivel Nut - Male Run	1
14	45252-010-11	Valve, 1/2" Check	1
15	7430-345	Tee, 1/2" Swivel Nut - Male Branch	1
16	7430-405	Elbow, 90° 1/2" Swivel Nut	1
17	45080-527-06	Fitting, 1/4" Test	1
18	45720-770-60	Plug, 1/4" Pipe	1
19	7650-056-33-01	Hose Assembly	1
20	Reference	<i>See Hydraulic Reservoir, This Section</i>	
21	7652-086-35	Hose Assembly	1

**Screed Assist  
Hydraulic System**





## Screed Assist Hydraulic System

Ref. No.	Part Number	Description	Quantity
	9704-660-92	Screed Assist Kit - Complete	1
1	9704-657-23	Manifold, Screed Assist - Complete	1
	9704-657-18	Manifold, Valve	1
	45252-009-33	Valve, Pressure Reducing	1
	45252-007-18	Valve, Needle	1
	45251-001-79-01	Valve, Solenoid	1
2	45085-502-08	Accumulator, 2 Liter	1
3	45085-502-08-01	Clamp, Accumulator	1
4	9704-658-76	Tube Assembly	1
5	9704-657-21	Tube Assembly, <i>Manifold Tank</i>	1
6	7084-002	Coupling, 1/4" Pipe	1
7	45865-002-33	Gauge, 0-600 PSI	1
8	9704-657-39	Bracket, Valve	1
	9704-661-27	Hydraulic Kit - Complete	1
9	45720-775-12	Reducer, 1-1/16" x 3/4"	1
10	45720-775-55	Reducer, 3/4" x 9/16"	1
11	7651-019-35	Hose Assembly	2
12	7430-423	Connector, 1/4" x 3/8"	1
13	7430-229	Cap, 1/2"	1
14	7430-385	Union, 1/2"	1
15	7430-275	Elbow, 90° 9/16" x 3/8" - with O-Ring	4
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
16	7430-252	Connector, 9/16" x 3/8" - with O-Ring	1
	45259-508-13	O-Ring, 9/16" (For above fitting)	As Req
17	7430-291	Tee, 3/8" Run - with O-Ring	3
	45259-508-12	O-Ring, 7/16" (for above fitting)	As Req
18	45720-775-38	Tee, 1/4" Pipe Run	2
19	7430-004	Connector, 1/4" x 3/8"	1
20	7430-019	Elbow, 90° 1/4" x 3/8"	1
21	7651-029-34-01	Hose Assembly	1
22	7651-052-35	Hose Assembly	2
	9704-661-26	Bolt Kit, Screed Assist - Partial List Only	1
23	7383-046	Capscrew, 3/8" NC x 3"	2
24	7014-003	Lockwasher, 3/8"	4
25	7014-018	Washer, 3/8"	4
26	7012-025	Hex Nut, 3/8" NC	2
27	7383-069	Capscrew, 1/2" NC x 1-1/4"	4
28	7012-027	Hex Nut, 1/2" NC	4
29	7014-005	Lockwasher, 1/2"	4
30	Reference	<i>See Screed Pull Arms, Section 5</i>	
31	Reference	<i>See Basket Plumbing, This Section</i>	









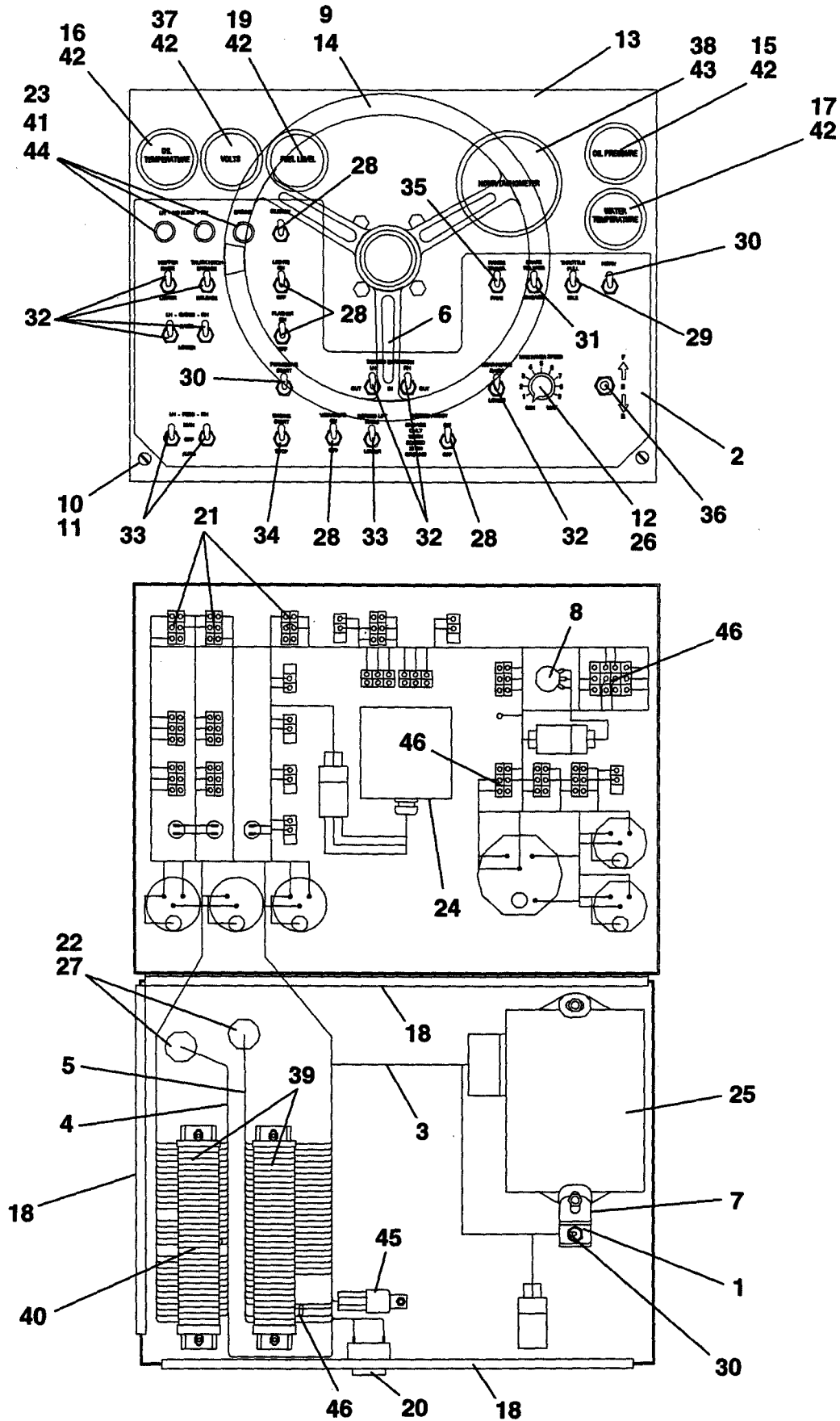
## Main Junction Box

Ref. No.	Part Number	Description	Quantity
	*9704-417-12	Main Junction Box - Complete	1
1	9704-416-63	Enclosure, Box	1
2	9704-416-64	Plate, Mounting	1
3	46295-001-02	Seal, 3/4"	2
4	46325-002-43	Relay, Power	10
5	46015-001-49	Socket, Relay	10
6	46260-001-95	Terminal Block, 100-Position	1
7	46956-013-02	Plug, 12-Position	1
8	46065-500-39	Module, Interface Feed	1
9	46165-004-83	Breaker, 15A	7
10	46165-004-84	Breaker, 30A	1
11	46165-005-01	Breaker, 50A	2
12	46325-002-21	Relay	1
13	46260-501-08	Jumper, 2 Terminal	1
14	46260-501-09	Jumper, 4 Terminal	1
15	46200-011-44	Switch, Key	1
16	46085-004-01	Plate, Closing	1
17	46165-508-03	Bar, Bus	1
18	4418-888	Emblem, Main Box	1
19	*9704-376-05	Harness, Front	1
20	*9704-376-06	Harness, Rear	1
21	*9704-411-11	Cable, Screed Power	1
22	*9704-411-13	Cable, Remote Oil Cooler	1
23	46026-035-15	Connector, 3/4" (Not Shown)	2
24	9704-012-32	Switch, Tilt - Complete	2
25	7198-008	Yoke Pin, 1/2" Dia.	2
26	7011-017	Cotter Pin, 1/8"	2
27	9704-416-22	Plate, Right Hand	1
28	9704-416-23	Plate, Left Hand	1
29	Reference	Console Cables - <i>See Control Console, This Section</i>	
30	Reference	Engine Harness - <i>See Power Mounting, Section 6</i>	
31	Reference	Power Cable - <i>See Battery Mounting, Section 6</i>	
32	Reference	<i>See Slope Beam, Section 9</i>	
33	Reference	<i>See Main Frame Parts, Section 3</i>	
34	Reference	<i>See Sonic Feed Controls, Section 4</i>	

**\*NOTE: These items part of Electrical Kits, part numbers 9704-418-01 or 9704-418-02.**



### Control Console

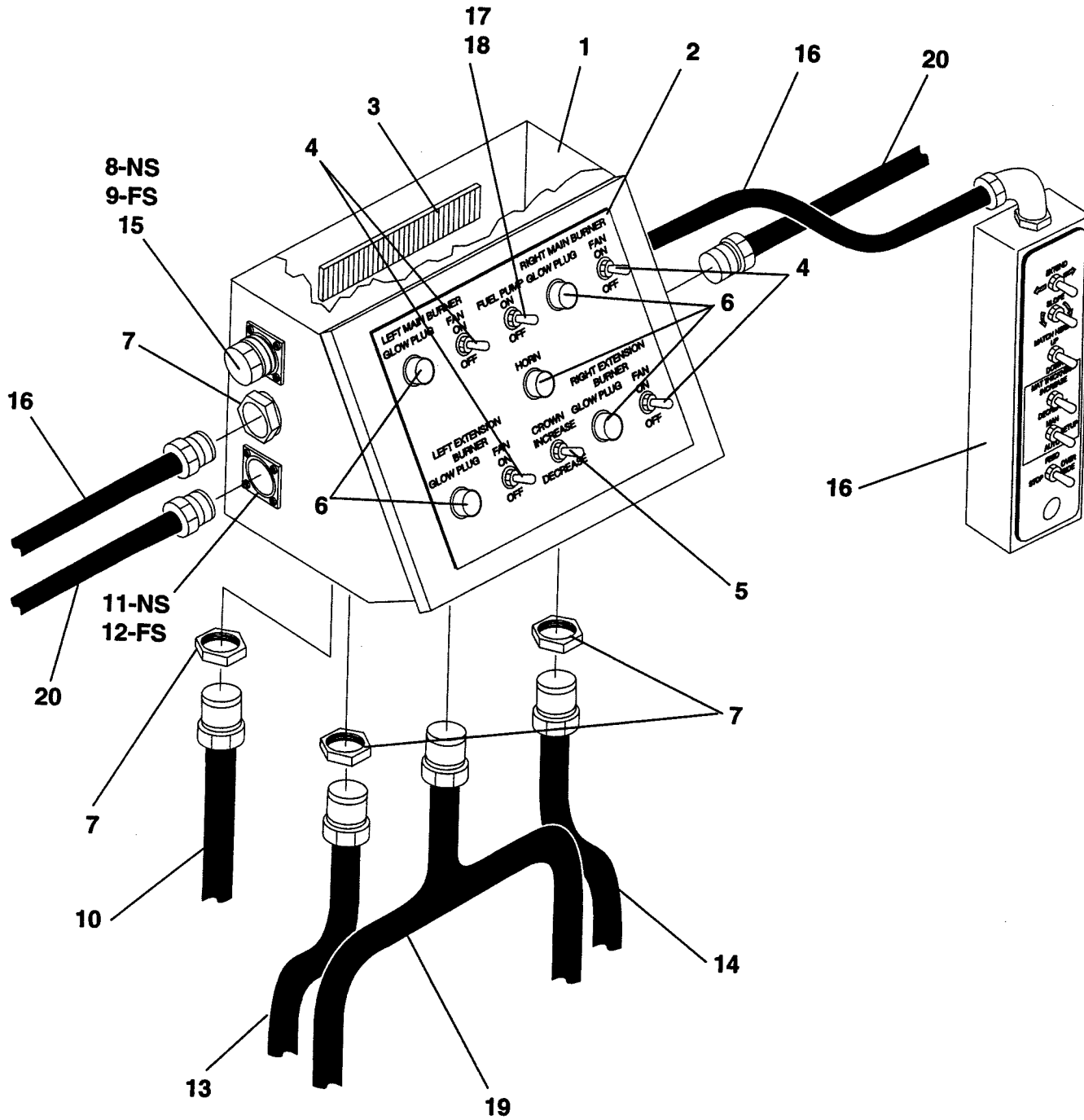


## Control Console

Ref. No.	Part Number	Description	Quantity
	9704-417-04	Console - Complete	1
1	4418-857	Emblem, Cal-Run	1
2	4418-958	Emblem, Paver Console	1
3	9704-376-04	Harness, Console	1
4	9704-411-09	Cable, Console - Left	1
5	9704-411-10	Cable, Console - Right	1
6	46010-600-09	Emblem, Steering Wheel	1
7	9704-416-48	Bracket, Switch Mounting	1
8	9704-416-50	Potentiometer, Speed	1
9	9704-502-98	Wheel, Steering	1
10	45890-100-29	Nut, 1/4" Self-Retaining	2
11	7437-135	Machine Screw, 1/4" NC x 3/4"	2
12	45890-100-06	Seal Nut, 3/8"	1
13	9704-505-42	Console, Track	1
14	45259-517-07	Nut, Steering Wheel	1
15	45865-002-41	Gauge, Oil Pressure	1
16	45865-003-16	Gauge, Oil Temperature	1
17	45865-003-17	Gauge, Water Temperature	1
18	45890-800-31	Edging, 1/16" Aluminum	4.7'
19	45915-012-08	Gauge, Fuel Level	1
20	46010-001-29	Alarm, Signal	1
21	46260-501-03	Jumper, Terminal Block	3
22	46026-015-83	Connector, 1" 90°	2
23	46061-500-62	Socket	3
24	46061-525-21	Sensor, Steer	1
25	46061-525-22	Controller	1
26	46075-500-05	Knob, Control	1
27	46195-001-03	Locknut, 1"	2
28	46200-009-06	Switch, Toggle	5
29	46200-009-08	Switch, Toggle	1
30	46200-009-11	Switch, Toggle	3
31	46200-009-18	Switch, Toggle	1
32	46200-009-21	Switch, Toggle	7
33	46200-009-40	Switch, Toggle	3
34	46200-009-41	Switch, Toggle	1
35	46200-009-63	Switch, Toggle	1
36	46200-009-62	Switch, Toggle	1
37	46225-001-24	Meter, Voltmeter - 12 VDC	1
38	46225-010-17	Meter, Tach / Hour	1
39	46260-001-94	Block, Terminal - 30-Position w/ Ground	2
40	46260-501-08	Jumper, 2 Position	1
41	46270-002-44	Lamp, 14VDC	3
42	46270-005-09	Light Kit, Meter	5
43	46270-005-10	Light Kit, 12 VDC	1
44	46270-500-31	Lens, Red	3
45	46325-002-43	Relay, Automotive	1
46	46955-001-43	Diode, 600V - 6A	4



### Main Junction Box & Cables Stretch 16 Screed



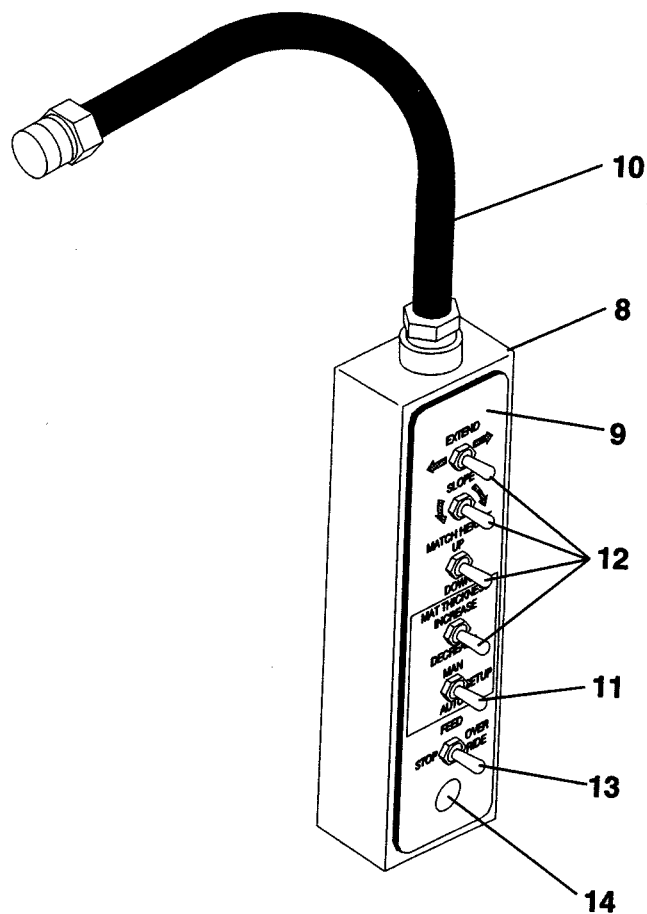
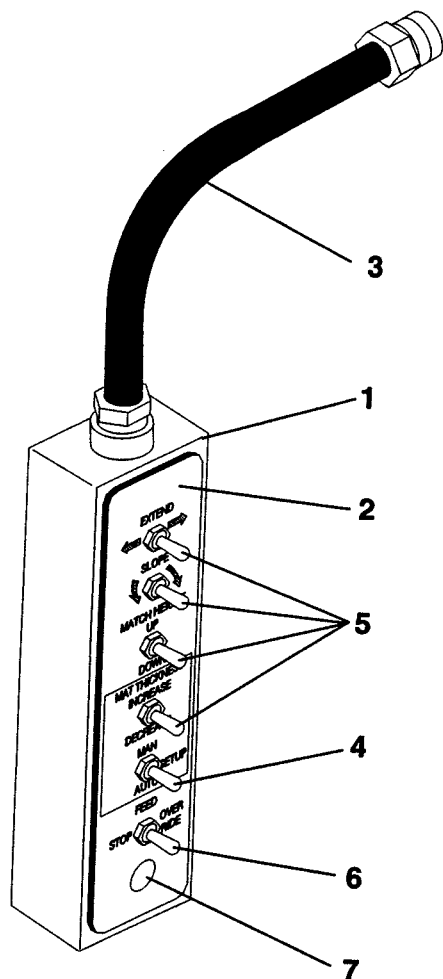


## Main Junction Box & Cables Stretch 16 Screed

Ref. No.	Part Number	Description	Quantity
	9704-611-30	Junction Box - Complete	
1	9704-610-50	Enclosure, Console	1
2	4418-590	Emblem, Box	1
3	46260-005-02	Block, Terminal	1
4	46200-009-06	Switch, Toggle	4
5	45200-009-21	Switch, Toggle	1
6	46200-010-07	Switch, Pushbutton	5
7	46195-001-02	Nut, 3/4" Truseal	5
8	9704-615-85	Receptacle, Left Automatics	1
9	9704-615-86	Receptacle, Right Automatics	1
10	9704-615-49	Cable, Tractor to Screed	1
11	9704-615-35	Receptacle, Left Extension Burner	1
12	9704-615-36	Receptacle, Right Extension Burner	1
13	9704-615-45	Cable, Main Burner - Left Hand	1
14	9704-615-74	Cable, Main Burner - Right Hand	1
15	46061-500-32	Cap, Receptacle	2
16	Reference	<i>See Remote Control Boxes, This Section</i>	
17	46165-003-01	Breaker, 15A - Toggle	1
18	46200-506-05	Boot, Switch	1
19	9704-615-97	Harness, Box to Solenoid Valves	1
20	{ 9704-615-71	Cable, Burner Extension	1
	{ 9704-615-72	Cable, Burner Extension	1



### Remote Screed Control Boxes Left and Right Hand



Ref. No.	Part Number	Description	Quantity
	9704-610-47	Remote Control Box, Left Hand - Complete	
1	9704-610-02	Enclosure, Remote Box	1
2	4418-660	Emblem, Remote	1
3	9704-615-75	Cable, Left Hand Control	1
4	46200-009-44	Switch, Toggle	1
5	46200-009-21	Switch, Toggle	1
6	46200-009-51	Switch, Toggle	4
7	46295-001-08	Cover, 1/2"	1
	9704-610-48	Remote Control Box, Right Hand - Complete	
8	9704-610-02	Enclosure, Remote Box	1
9	4418-660	Emblem, Remote	1
10	9704-615-76	Cable, Right Hand Control	1
11	46200-009-44	Switch, Toggle	1
12	46200-009-21	Switch, Toggle	1
13	46200-009-51	Switch, Toggle	4
14	46295-001-08	Cover, 1/2"	1