

Waukesha gas engines

VHP Series Four 12 cylinder with ESM parts catalog

form 6302-2
2nd edition

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Original Instructions (English)

The English version of this manual controls over any error in or conflicting interpretation of any translation.



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Waukesha gas engines
Waukesha, Wisconsin 53188
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California Proposition 65 Warning

The engine exhaust from this product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

California Proposition 65 Warning

Certain components in this product and its related accessories contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

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Disposal requirements for waste electrical and electronic equipment:

NOTICE

Electrical and electronic equipment can contain harmful substances which can affect the environment and human health.

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You must not dispose any electrical and electronic equipment marked with this symbol (battery-operated electrical appliances, measurement equipment, light-bulbs, etc.) in the domestic waste but dispose of these separately. Always use the waste return and collection systems locally available and contribute to the reuse, recycling and all other forms of use for waste electrical and electronic equipment.

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NOTES



CUSTOMER ORDERING PROCEDURE

1. Waukesha genuine parts are available worldwide and must be ordered through your local Waukesha Distributor.

NOTE: Part numbers in this catalog are for reference only and should not be used for ordering parts. Your Waukesha Distributor will refer to your engine specification to make certain you receive the correct parts for your engine.

2. Top level assembly numbers may not all be available as service parts.
3. Always specify to your Waukesha Distributor the engine model designation, specification number, and serial number as found stamped on the engine nameplate (see Figure 1).

4. Always include the part number, when known, along with the description of the part. State the quantity of the part you wish to order. Do not use the word "complete" or designate the quantity by sets.

EXAMPLE: 168660–filter element–(1) Ordered.

NOTE: Quantities listed in this catalog are quantity per engine.

5. If a special part is needed, the engine application should also be stated.
6. Anticipate your parts requirements:
 - Order parts early in the day.
 - Keep a supply of normal maintenance parts in stock.
 - Obtain a parts stocking recommendation from your local Waukesha Distributor.

Waukesha
WAUKESHA ENGINE
DRESSER INC.

DRESSER
Waukesha

MODEL
SERIAL NUMBER
COMP. RATIO

SAA # SERVICE TYPE

DATE

THIS ENGINE IS FACTORY EQUIPPED AS LISTED. HP(KW) ARE PER ISO 3046/1. CONSULT A W.E.D. AUTHORIZED DISTRIBUTOR OR W.E.D. APPLICATION ENGINEERING FOR ADDITIONAL INFORMATION.

	PRIMARY	SECONDARY
FUEL		
MIN. WKT TM		
IGN. TIMING °BTDC		
CARB. ADJ.		
SERVICE HP/kW		
OVERLOAD HP/kW		

ALTITUDE LIMIT FT/M

AIR INLET TEMP LIMIT °F / °C

GOVERNED SPEED RPM

VALVE CLEARANCE IN. /mm
INTAKE EXHAUST

ROTATION FLYWHEEL

VHPTM

FIRING ORDER 1R-6L-5R-2L-3R-4L-6R-1L-2R-5L-4R-3L

Figure 1. Nameplate – Current Production

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.

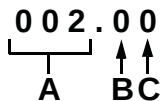


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PARTS CATALOG INFORMATION

PARTS CATALOG FORMAT

Illustration Number



A) Group Number.

B) For each different illustration in the same group this number advances by 1.

C) For each repeated illustration this number advances by 1.

Item No.

The first column lists the item numbers which correspond to the item numbers in the illustration.

EXAMPLE:

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 2
	CA204066K	12	12	12	12	SHAFT, Exhaust Rocker Arm-Assembly
1	• A204066K	12	12	12	12	• ARM, Rocker, Exhaust
2	•• 167480G	24	24	24	24	•• BUSHING, Rocker Arm
3	•• 28462	12	12	12	12	•• RIVET, Steel, 3/16"
4	• 153886K	12	12	12	12	• SUPPORT, Rocker Arm, Oil
5	• A153889K	24	24	24	24	• SCREW, Rocker Arm Adjusting
6	• 21227	24	24	24	24	• NUT, Thin Hex, 5/8"-18
7	• A204069G	12	12	12	12	• SHAFT, Rocker Arm-Assembly
8	•• Y18802	24	24	24	24	•• COVER, Pushrod, Lower

Part Number And Description

The second column lists the part numbers. The last column lists the description of the part. Parts included in assemblies are preceded by one dot and parts included in subassemblies are preceded by two or three dots.

Engine Model Quantity

The columns headed by engine model numbers list the quantity of the part per engine except when parts are listed more than once in the catalog. The quantity per engine is the total of the quantities listed individually on separate pages.

Extent Of Parts Catalog Coverage

This catalog contains only standard or selected option parts. Variations of these parts as well as other parts are not included. Contact your local Waukesha Distributor for assistance in identifying parts not included in this catalog.

ALWAYS GIVE YOUR MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



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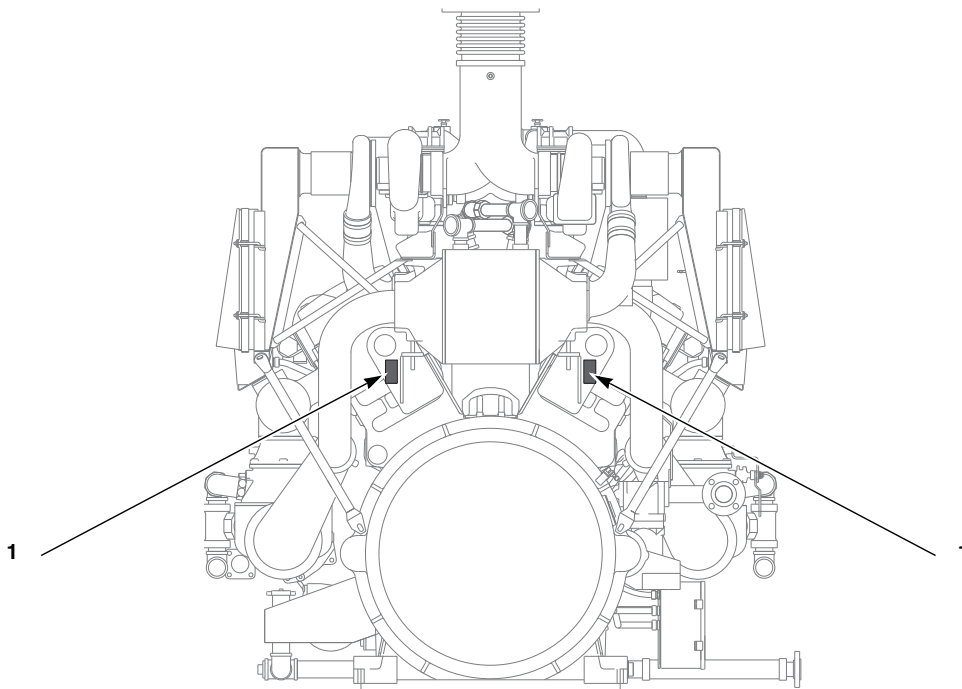
NOTES

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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NOTE: Labels shown apply to standard engine. Labels can be affected by optional equipment specified.



REAR VIEW

ALWAYS GIVE YOUR MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



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WARNINGS AND CAUTIONS

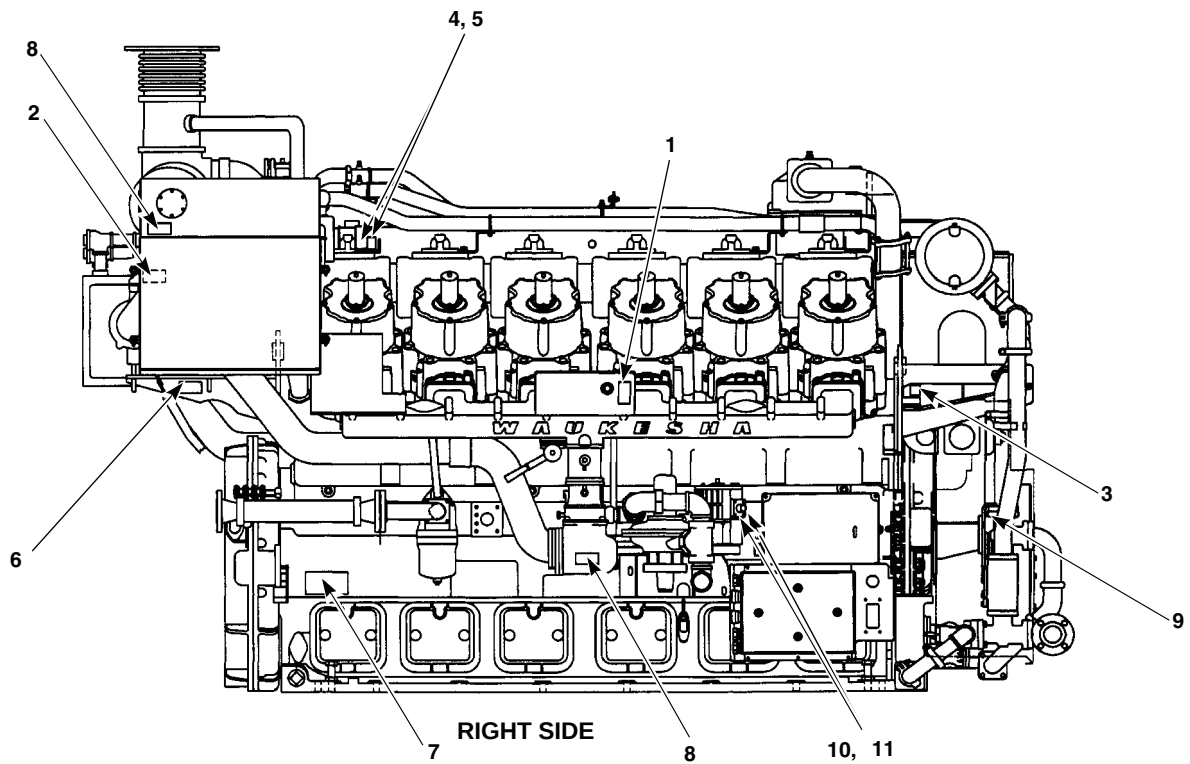
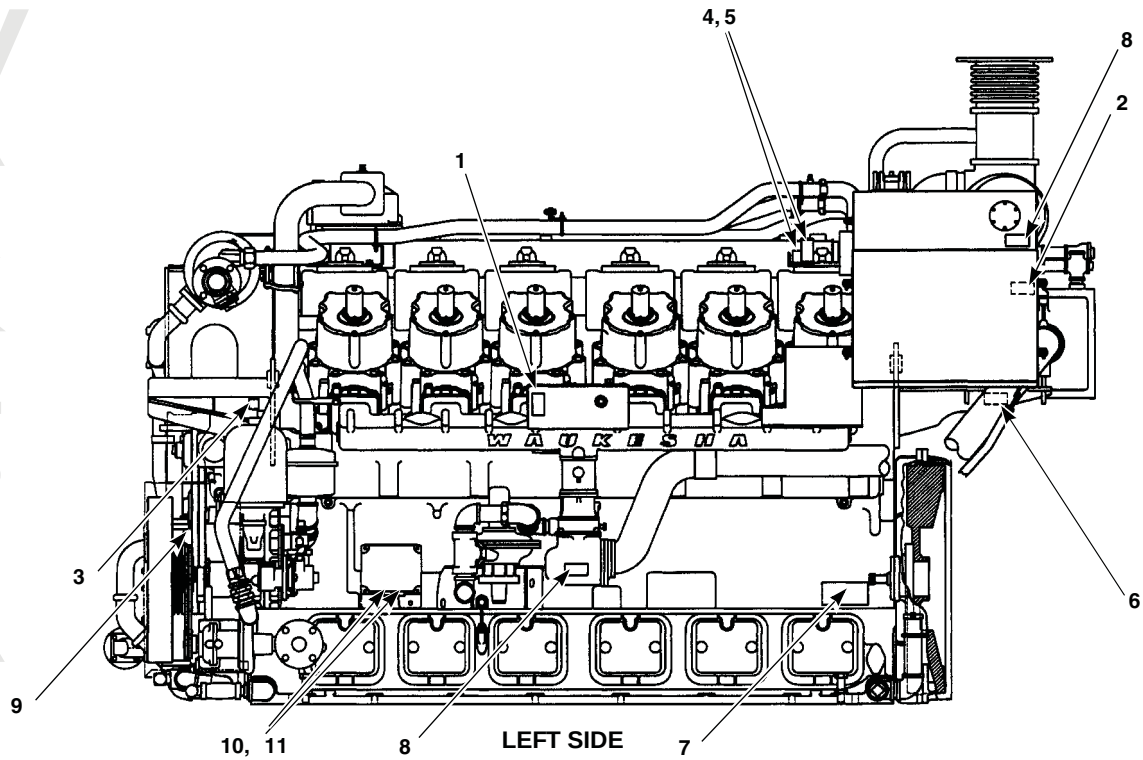
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
1	211930A	4	4	4	4	LABEL, Safety Instructions – Lifting

Continued

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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NOTE: Labels shown apply to standard engine. Labels can be affected by optional equipment specified.

ALWAYS GIVE YOUR MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



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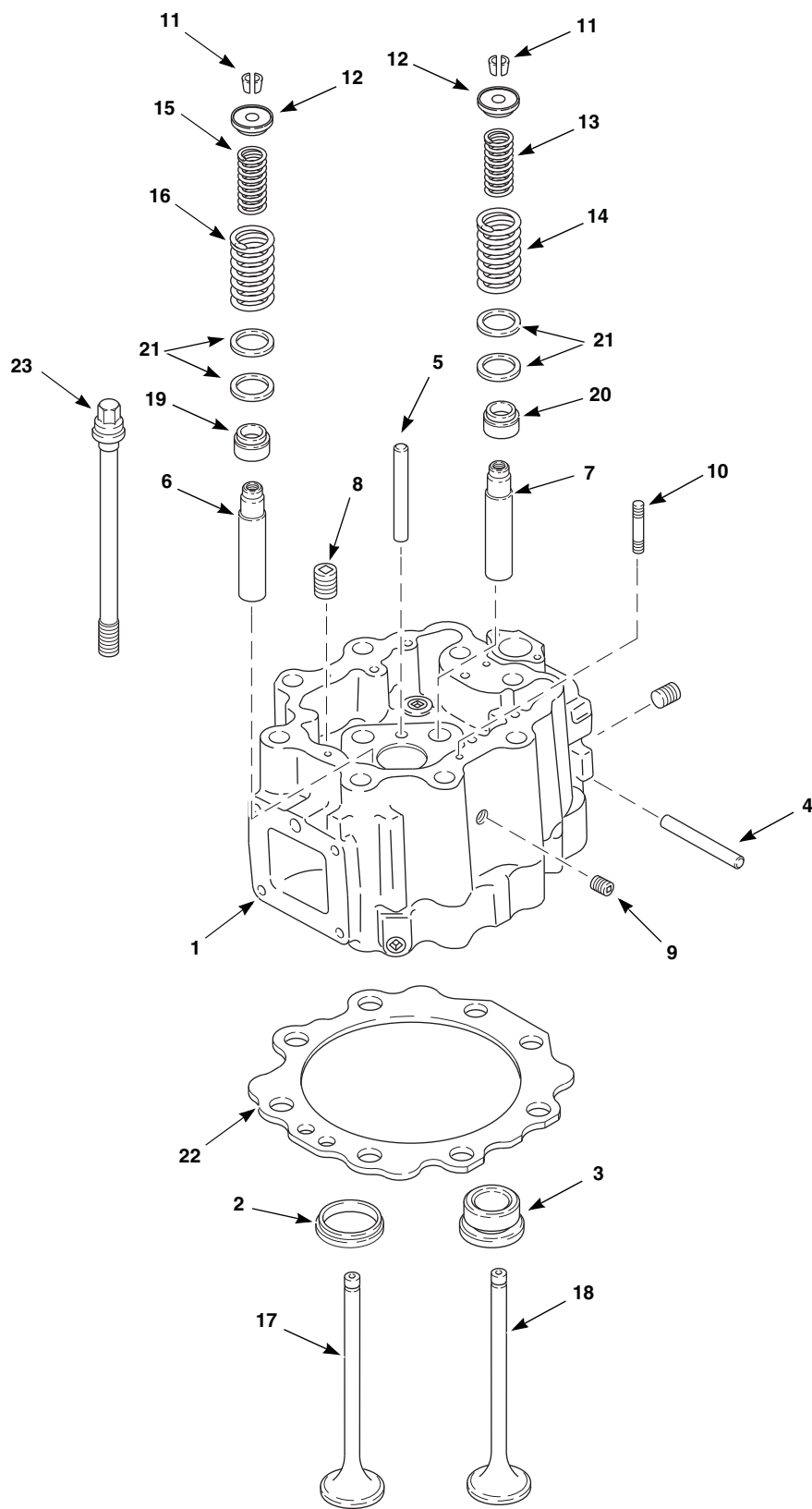
WARNINGS AND CAUTIONS

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
1	211920F	2	2	2	2	LABEL, Caution - Ear/Eye Protection
2	211920E	2	2	2	2	LABEL, Caution - Hot Surface
3	211930A	2	2	2	2	LABEL, Safety Instructions - Lifting
4	211920D	2	2	2	2	LABEL, Caution - Hot Surface
5	211782A	2	2	2	2	BRACKET, Safety Label
6	211910K	2	2	2	2	LABEL, Warning - Safety Guard
7	211911C	2	2	2	2	LABEL, Warning - Barring Device
8	211910N	2	2	2	2	LABEL, Warning - Maximum Gas Inlet Pressure
9	211910J	2	2	2	2	LABEL, Warning - Safety Guard
10	211920J	3	3	3	3	LABEL, Caution - Wire Disconnect
11	295448	3	3	3	3	NYLON TIE

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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ALWAYS GIVE YOUR MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



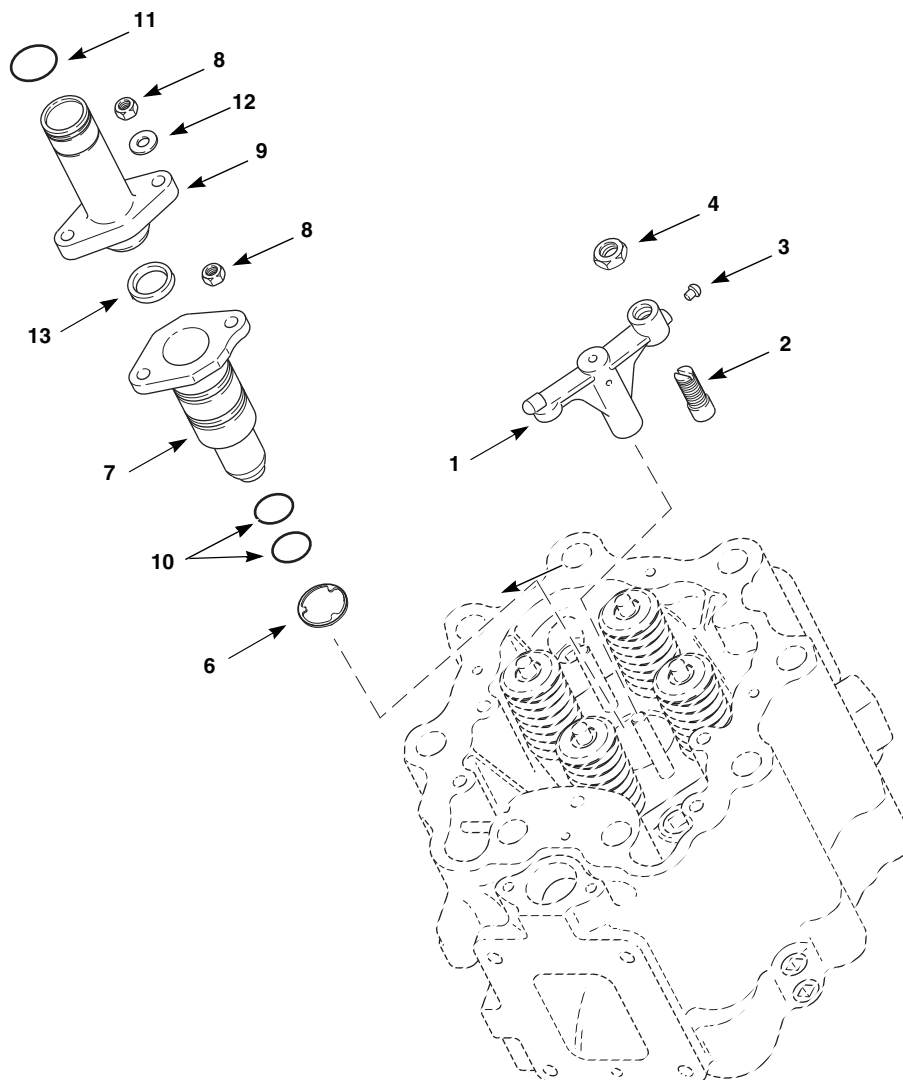
002.00
CYLINDER HEAD, VALVES

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT/LTD	GSI	
						GROUP 2
	CA205002F		12		12	HEAD, Cylinder-Assembly
	AC205002F	12		12		HEAD, Cylinder-Assembly (LT-Natural Gas)
	CC205002F			12		HEAD, Cylinder-Assembly (LTD-Landfill)
	•C205002F	12		12		• HEAD, Cylinder-Assembly
	•A205002F		12		12	• HEAD, Cylinder-Assembly
1	•• 205002F	12	12	12	12	•• HEAD, Cylinder
2	•• 211801	24		24		•• SEAT, Valve, 30° Intake
	•• 211801 2	24		24		•• SEAT, Valve, 30° Intake (0.020" oversized)
	•• 211801 3	24		24		•• SEAT, Valve, 30° Intake (0.030" oversized)
	•• 211801J		24		24	•• SEAT, Valve, 30° Intake
3	•• 211802B	24	24	24	24	•• SEAT, Valve 20° Exhaust
	•• 211802B 2	24	24	24	24	•• SEAT, Valve, 20° Exhaust (0.020" oversized)
	•• 211802B 3	24	24	24	24	•• SEAT, Valve, 20° Exhaust (0.030" oversized)
4	•• 211821	12	12	12	12	•• TUBE, Oil
5	•• 211793A	24	24	24	24	•• GUIDE, Valve Bridge
6	•• 204209C	24	24	24	24	•• GUIDE, Intake Valve
7	•• 204209D	24	24	24	24	•• GUIDE, Exhaust Valve
8	•• 28794B	84	84		84	•• PLUG, Pipe, 0.75"
9	•• 28794D			12		•• PLUG, Pipe, 0.25"
10	•• 295477C	24	24	24	24	•• STUD, Igniter Sleeve
11	• 73629A	96		96		• TAPER, Valve Spring
	• 73629B		96		96	• TAPER, Valve Spring
12	• 214230	48	48	48	48	• RETAINER, Valve Spring
	• 153884B			48		• RETAINER, Valve Spring, L5794 Only (LTD-Landfill)
13	• 204235C	24	24	24	24	• SPRING, Exhaust Valve, Inner (2 White Stripes)
14	• 204335C	24	24	24	24	• SPRING, Exhaust Valve, Outer (2 White Stripes)
15	• 204235B	24	24	24	24	• SPRING, Intake Valve, Inner (2 Blue Stripes)
16	• 204335B	24	24	24	24	• SPRING, Intake Valve, Outer (2 Blue Stripes)
17	• 204336B	24		24		• VALVE, Intake, 30°
	• 204436A		24		24	• VALVE, Intake, 30°
18	• 204337		24		24	• VALVE, Exhaust, Chrome
	• 204336G	24		24		• VALVE, Exhaust, 20°
	• 204336H			24		• VALVE, Exhaust, L5794 Only (LTD-Landfill)
19	• 176450F	24		24		• SEAL, Valve Stem, Intake (Black)
	• 214229		24		24	• SEAL, Valve Stem, Intake (Blue)
20	• 176450G	24	24	24	24	• SEAL, Valve Stem, Exhaust (Green)
21	• 153883B	48	48	48	48	• WASHER, Valve Spring
22	205100V	12	12	12		GASKET, Cylinder Head
	205100C				12	GASKET, Cylinder Head
23	169994D	96	96	96	96	CAPSCREW, Cylinder Head
						SERVICE REPAIR KITS
	977-69	12	12	12		KIT, Gasket, Head, Single
	977-68				12	KIT, Gasket, Head, Single
	979-294	1	1	1		KIT, Gasket, Valve Overhaul
	979-292				1	KIT, Gasket, Valve Overhaul

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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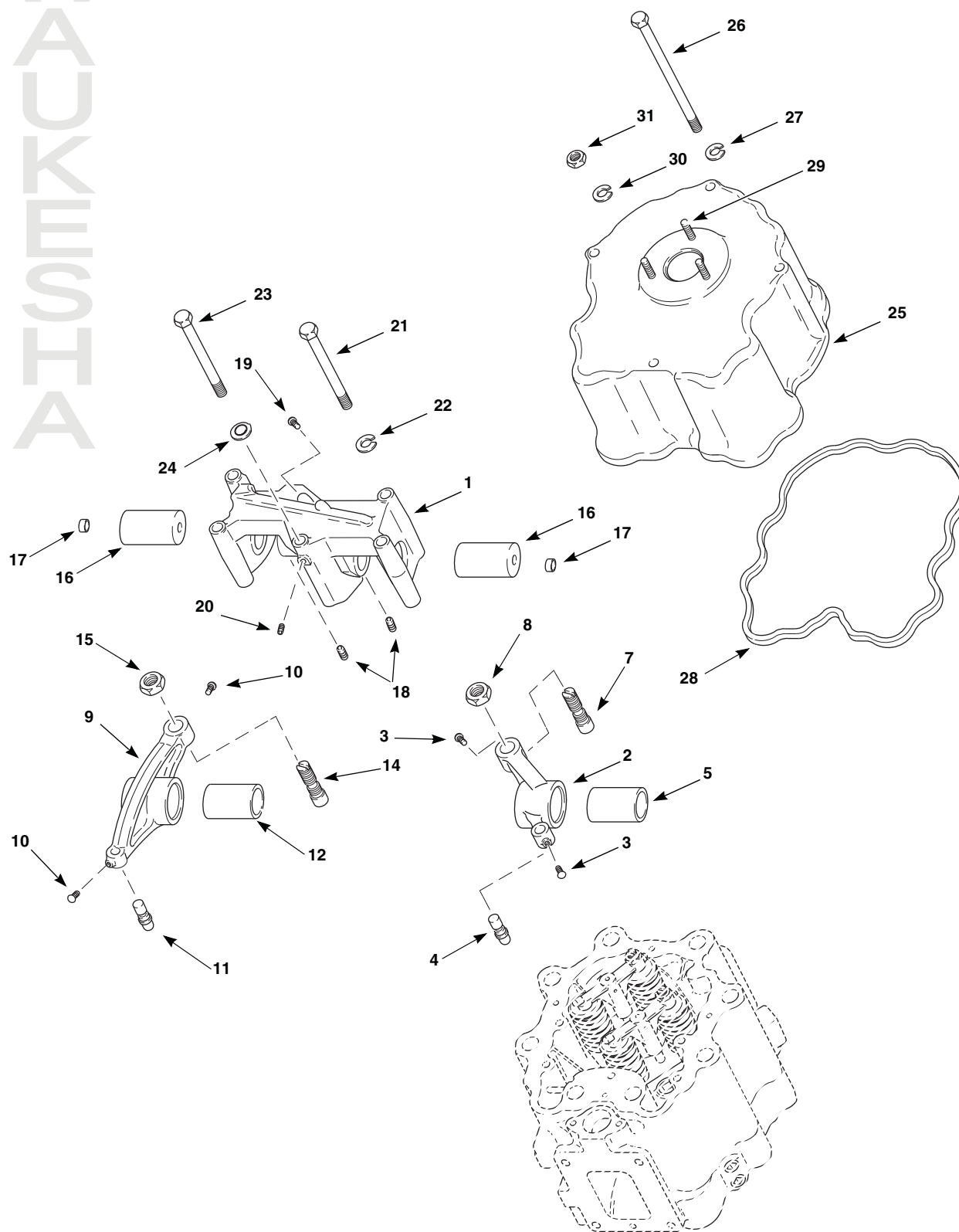
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CYLINDER HEAD, VALVE BRIDGES, SPARK PLUG SLEEVE

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 2
1	A211792C	24	24	24	24	BRIDGE, Valve-Assembly
2	• 211820B	24	24	24	24	• SCREW, Adjusting
3	• 28798	48	48	48	48	• PLUG, Expander Sealing, 5mm OD
4	• 21219	24	24	24	24	• NUT, Jam
5	• 26774	48	48	48	48	• PIN, Roll (Not Illustrated)
6	211795A	12	12	12	12	SEAL, Ignitor Sleeve
7	211796A	12	12	12	12	SLEEVE, Spark Plug
8	21197	48	48	48	48	NUT, Hex, 7/16"-14
9	295380L	12	12	12	12	EXTENSION, Spark Plug Carrier
10	304745G	24	24	24	24	O-RING
11	211830	12	12	12	12	O-RING
12	Y18813J	24	24	24	24	WASHER, 7/16"
13	211670D	12	12	12	12	SEAL, Square Ring

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.





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CYLINDER HEAD, ROCKER ARMS GROUPS 2, 39, 22

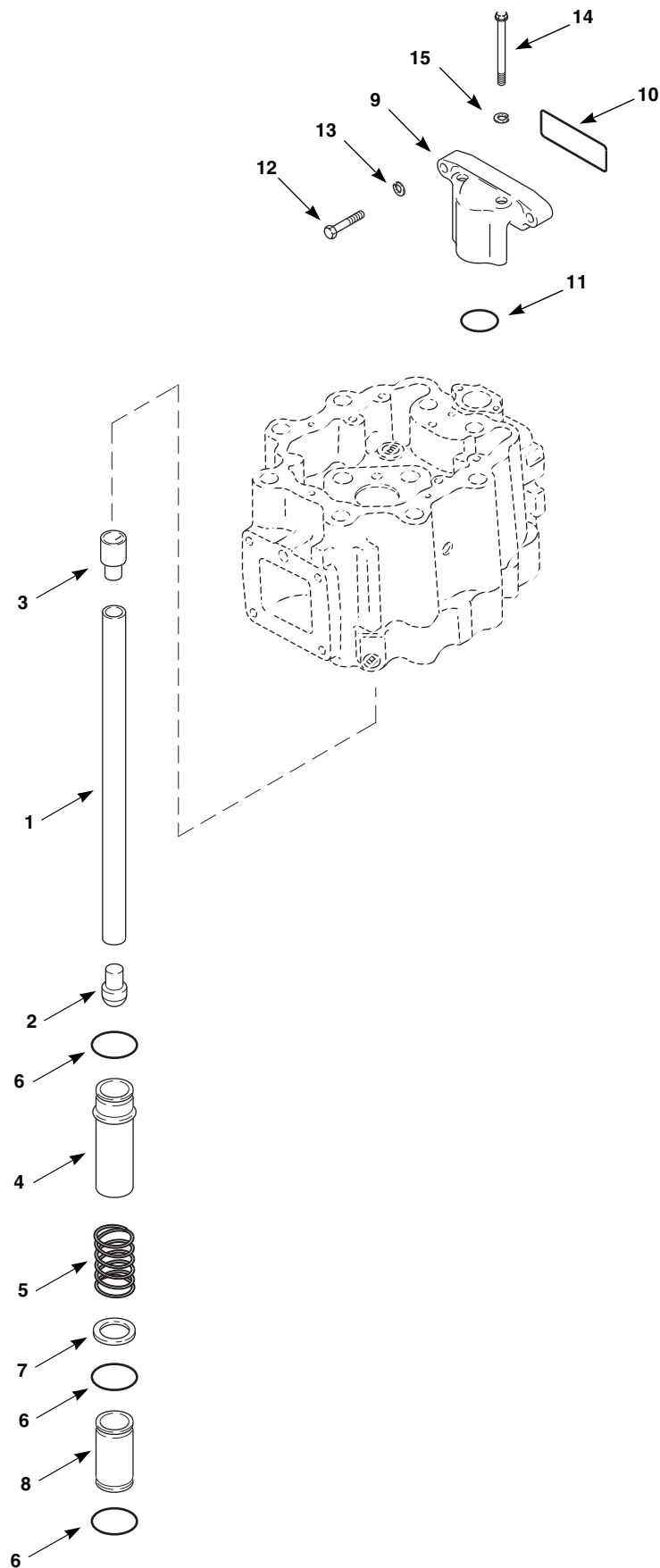
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 2
1	C211790A	12	12	12	12	ARM, Rocker-Assembly
	• 211790A	12	12	12	12	• SUPPORT, Rocker Shaft
2	AC204166A	12	12	12	12	ARM, Rocker, Exhaust-Assembly
	• C204166A	12	12	12	12	• ARM, Rocker, Exhaust-Assembly
3	•• 28798	24	24	24	24	•• STUD, Seal-Lok
4	•• 211819A	12	12	12	12	•• BALL, Rocker
5	•• 211798E	12	12	12	12	•• BUSHING, Rocker Arm
6	•• 28159	12	12	12	12	•• PIN, Roll (Not Illustrated)
7	• A211820	12	12	12	12	• SCREW, Adjusting-Assembly
8	• 21227	12	12	12	12	• NUT, Hex, Jam
9	AC204165A	12	12	12	12	ARM, Rocker, Intake-Assembly
	• C204165A	12	12	12	12	• ARM, Rocker, Intake-Assembly
10	•• 28462	12	12	12	12	•• STUD, Seal-Lok
11	•• 211819A	12	12	12	12	•• BALL, Rocker
12	•• 211798E	12	12	12	12	•• BUSHING, Rocker Arm
13	•• 28159	12	12	12	12	•• PIN, Roll (Not Illustrated)
14	• A211820	12	12	12	12	• SCREW, Adjusting-Assembly
15	• 21227	12	12	12	12	• NUT, Hex, Jam
16	• 204169A	24	24	24	24	• SHAFT, Rocker-Assembly
17	•• B2857	24	24	24	24	•• PLUG, Cup
18	• 26418	24	24	24	24	• SCREW, Set
19	• 28462A	24	24	24	24	• STUD, Seal-Lok 1/4" x 1/4"
20	• 28272	12	12	12	12	• SCREW, Socket Head, Set
21	21519	48	48	48	48	• CAPSCREW, Hex Head 1/2"-13 x 5-1/2"
22	21054	48	48	48	48	WASHER, Lock, 1/2"
23	28610	12	12	12	12	CAPSCREW, Hex Head, 3/8"-16 x 6.75"
24	Y18813H	12	12	12	12	WASHER, 3/8,
						GROUP 39
25	204339	12	12	12	12	COVER, Valve
26	28610	48	48	48	48	CAPSCREW, Hex Head, 0.375"-16 x 6.75"
27	Y18813H	48	48	48	48	WASHER, Flat, 3/8"
28	153994C	12	12	12	12	GASKET, Valve Cover
						GROUP 22
29	39025	36	36	36	36	STUD, 5/16" x 1.44"
30	21538	36	36	36	36	WASHER, Lock
31	21186	36	36	36	36	NUT, Hex, 5/16"-20

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



002.30

W A U K E S H A



ALWAYS GIVE YOUR MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



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PUSH RODS, WATER CONNECTIONS
GROUPS 2, 42

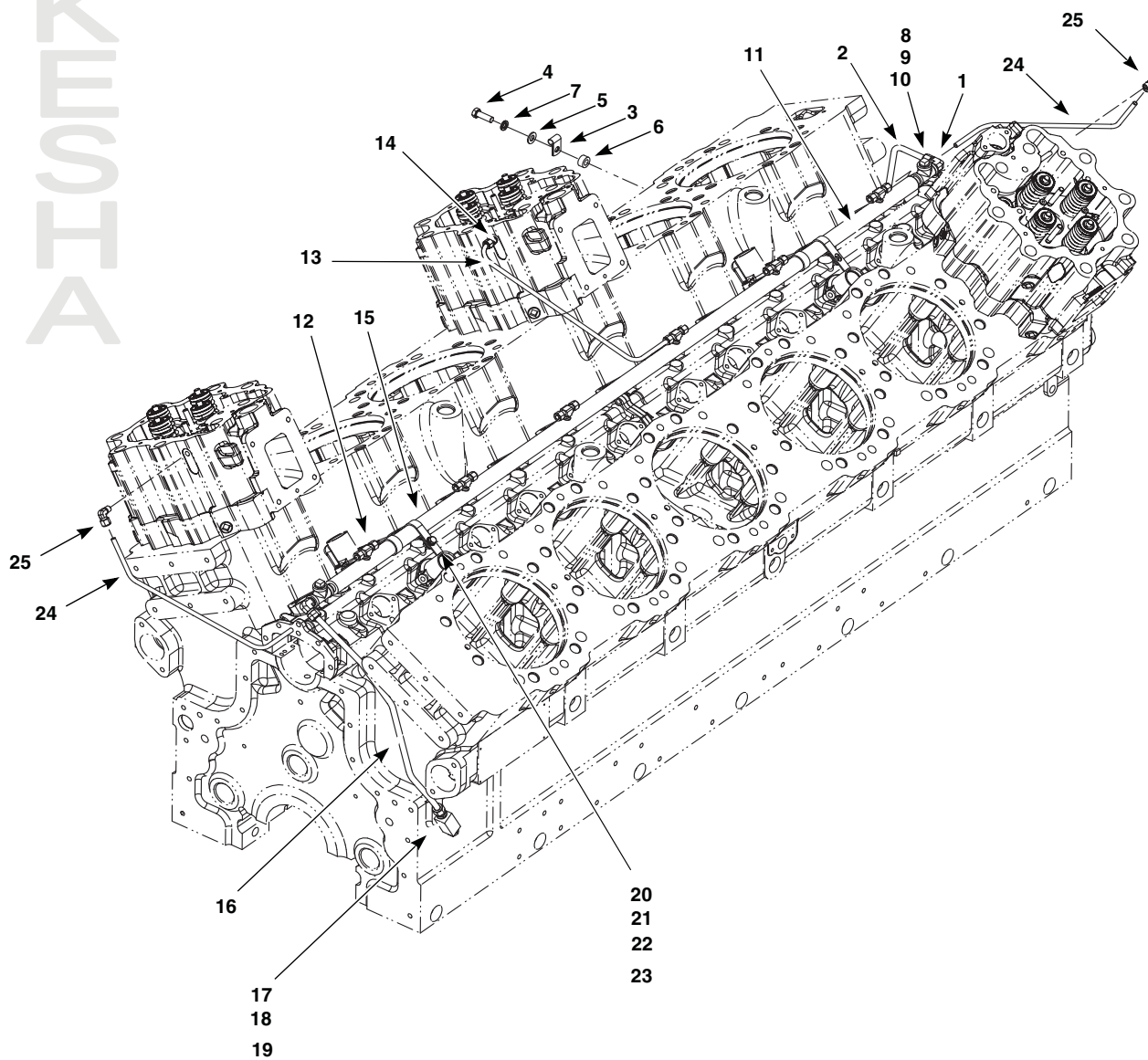
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 2
	A153754U	24	24	24	24	ROD, Push-Assembly
1	• 153754U	24	24	24	24	• ROD, Push
2	• 162782A	24	24	24	24	• INSERT, Pushrod, Lower
3	• 153752L	24	24	24	24	• LIFTER, Hydraulic Valve
	C153256A	24	24	24	24	COVER, Pushrod, Assembly
4	• 153256A	24	24	24	24	• COVER, Pushrod, Upper
5	• 120239	24	24	24	24	• SPRING
6	• 211196	72	72	72	72	• O-RING, 1.25" x 1.50" x 0.12"
7	• 63600	24	24	24	24	• WASHER, Special 0.531" x 1.875" x 1/16"
8	• 153255B	24	24	24	24	• COVER, Pushrod, Lower
						GROUP 42
9	169892J	12	12	12	12	ELBOW, Water Outlet
10	176883	12	12	12	12	RING, Seal, 4.50" ID x 0.09" SQ
11	176883E	12	12	12	12	O-RING, Water Outlet
12	21433	24	24	24	24	CAPSCREW, Hex Head, 1/2"-13 x 1-3/4"
13	21054	24	24	24	24	WASHER, Lock, 1/2"
14	28782	24	24	24	24	CAPSCREW, Ferry Head, 3/8"-16 x 4-1/2"
15	21052	24	24	24	24	WASHER, Lock 0.38"

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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002.40

OIL HEADER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 2
1	199111K	3	3	3	3	ELBOW, Male
2	176775N	1	1	1	1	TUBE, Oil, Rear
3	169013R	1	1	1	1	CLIP
4	21431	1	1	1	1	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
5	Y18813K	1	1	1	1	WASHER, 1/2"
6	B715	1	1	1	1	SPACER, 0.53" ID x 1-1/2"
7	21054	1	1	1	1	WASHER, Lock, 1/2"
8	78208C	2	2	2	2	TEE, Pipe, 1/2"
9	119126D	2	2	2	2	PLUG, Magnetic, Drain
10	100831W	2	2	2	2	PIPE, 1/2" x 1-1/2"
11	153978D	1	1	1	1	TUBE, Oil
12	199109F	6	6	6	6	TEE, Male, Branch
13	176549J	10	10	10	10	TUBE, Oil, Cylinder Head
14	194769	12	10	12	10	CONNECTOR, Male
15	153982F	4	4	4	4	CLIP, Oil Manifold
16	176775M	1	1	1	1	TUBE, Oil, Front
17	194769H	1	1	1	1	CONNECTOR, Male
18	28677	1	1	1	1	PLUG, Pipe, Hex Head, 1/2"
19	194635E	1	1	1	1	TEE, Male, Branch
20	21348	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 1"
21	21052	4	4	4	4	WASHER, Lock, 3/8"
22	21189	4	4	4	4	NUT, Hex, 3/8"-16
23	Y18813H	8	8	8	8	WASHER, 3/8"
24	214067E	2	2	2	2	TUBE, Oil, Cylinder Head
25	199111B	2	2	2	2	ELBOW, Male
						SERVICE REPAIR KITS
	489430	1	1	1	1	KIT, Oil Header Upgrade (to convert previous engines) (contains Items 1-23)

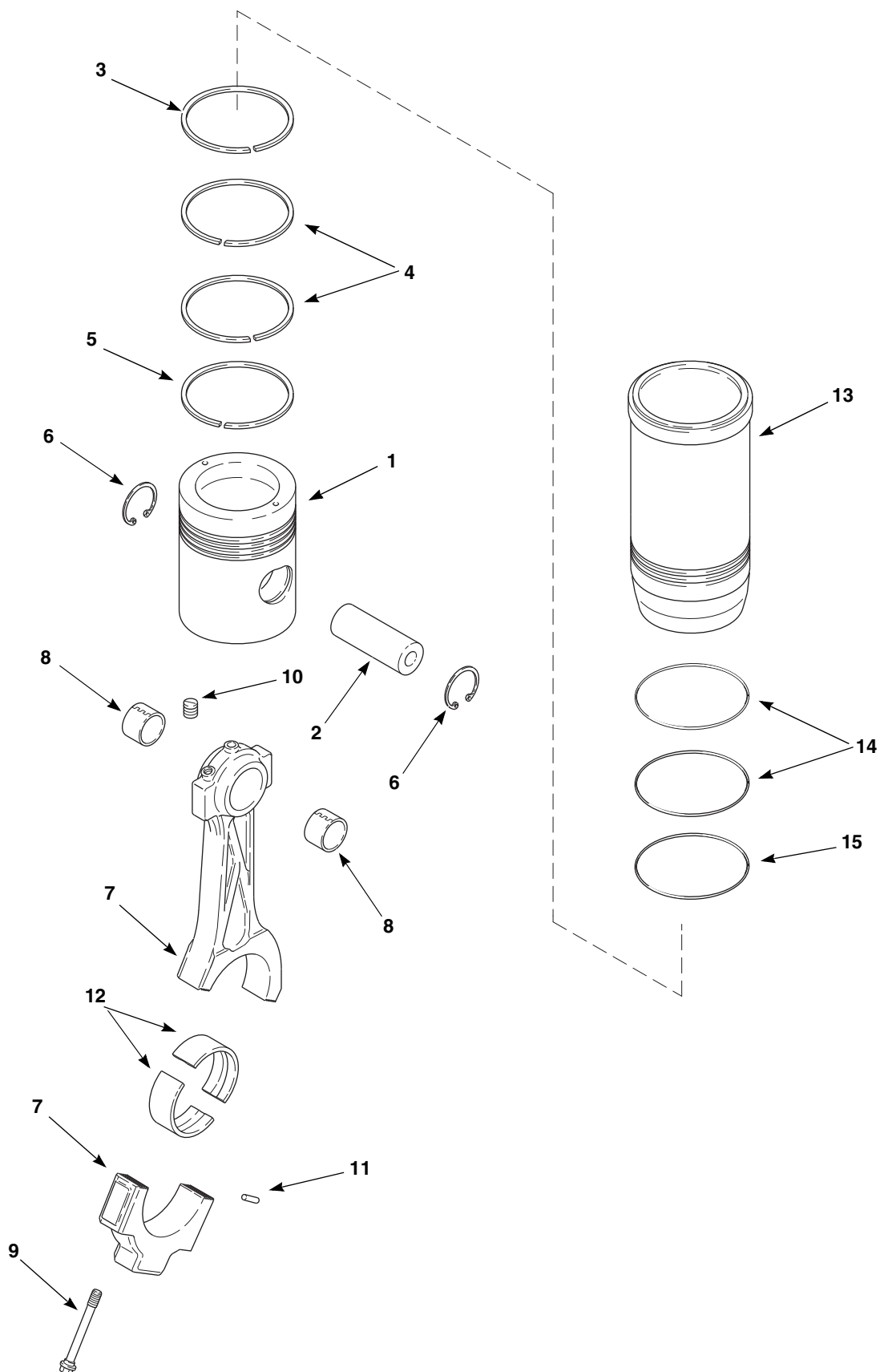
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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PISTON, CYLINDER LINER, CONNECTING ROD GROUPS 4, 7, 30

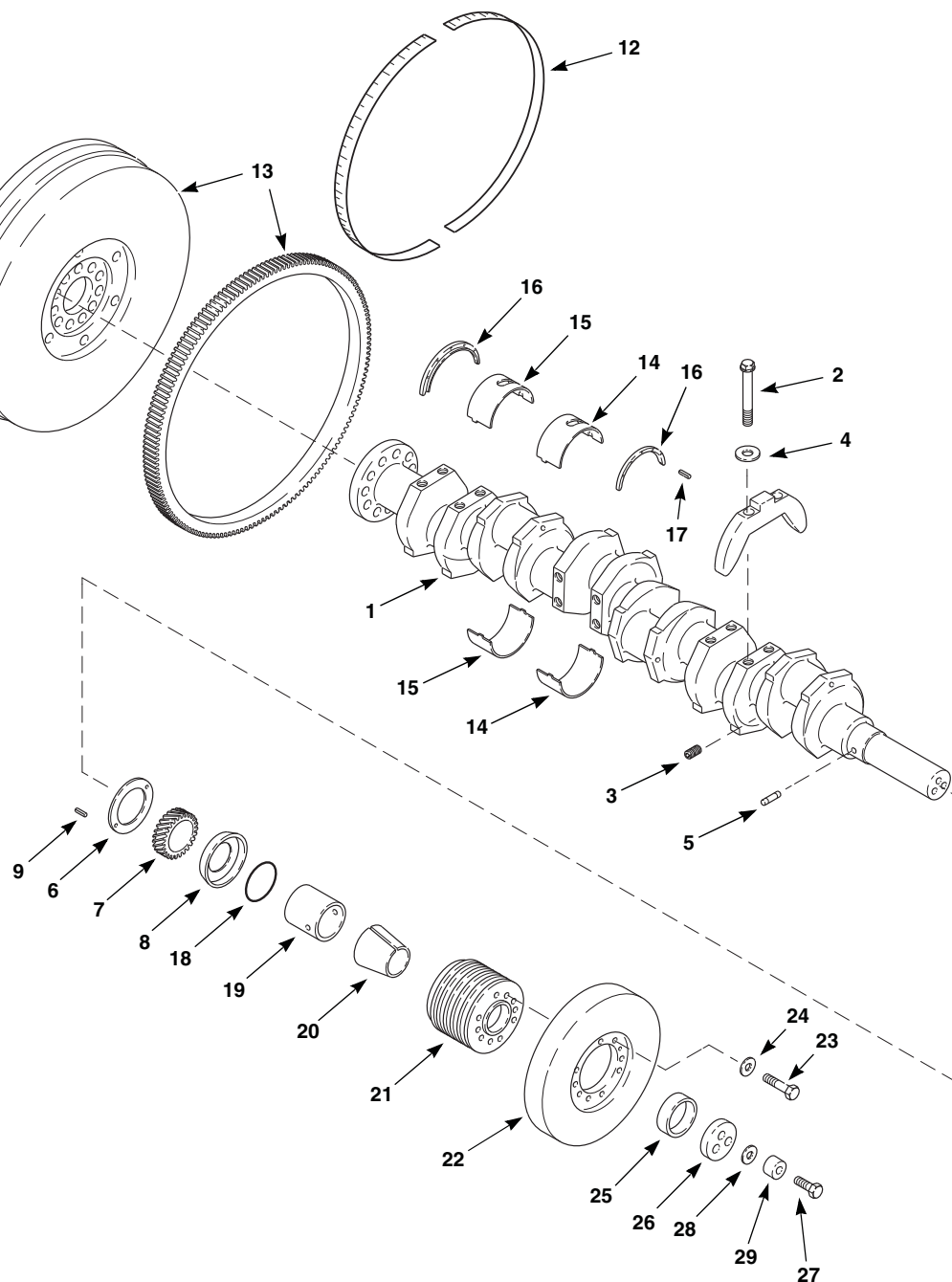
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 4
1	205604L				12	PISTON, 9-3/8" Dia., Compression Ratio, 8:1 (3 Ring)
	205304V		12			PISTON, 8-1/2" Dia., Compression Ratio, 8.25:1 (4 Ring)
	202004C	12		12		PISTON, 8-1/2" Dia., Compression Ratio, 10:1 (4 Ring)
	205304W			12		PISTON, 8-1/2" Dia., Compression Ratio, 10:1 (4 Ring)
2	10006				12	Draw-thru (Low Fuel Pressure) Landfill Applications
	47206A	12	12	12		PIN, Piston
3	10005L				12	PIN, Piston
	204205J	12	12	12		RING, Piston, Compression (Top Groove)
	204205N			12		RING, Piston, Compression (Top Groove)
						RING, Piston, Compression (Top Groove)
4	202205C				12	Draw-thru (Low Fuel Pressure) Landfill Applications
	204105T	24		24		RING, Piston, Scraper Compression (Second Groove)
	204105X		12			RING, Piston, Compression (Second and Third Groove)
5	202005G				12	RING, Piston, Compression (Second and Third Groove)
	47605E	12		12		RING, Piston Oil Control
	47605S		12	12		RING, Piston Oil Control
6	44999C	24	24	24	24	RING, Piston Oil Control
						L5794 LT Draw-thru (Low Fuel Pressure) Landfill Applications
						RETAINER, Piston Pin
						GROUP 7
7	A205507E	12	12	12	12	ROD, Connecting - Assembly
8	• 47108F	24	24	24	24	• BUSHING, Piston Pin
9	• 28587D	48	48	48	48	• BOLT, Connecting Rod
10	• Y18802	12	12	12	12	• PLUG, Pipe, Allen Head, 1/8"
11	• 26547	12	12	12	12	• PIN, Roll, 1/8" x 1/2"
12	A205210	12	12	12	12	BEARING, Connecting Rod - Assembly (Includes Upper And Lower Bearings)
						GROUP 30
13	204230U	12	12	12		LINER, Cylinder
	205130T				12	LINER, Cylinder
14	119396D	24	24	24		RING, Pack, Cylinder Liner (Upper and Middle Grooves)
	119397G				24	RING, Pack, Cylinder Liner (Upper and Middle Grooves)
15	119396B	12	12	12		RING, Packing, Cylinder Liner, Silicone Rubber (Lower Groove)
	119397E				12	RING, Packing, Cylinder Liner, Silicone Rubber (Lower Groove)
						SERVICE REPAIR KITS
	932-281	12	12			KIT, Liner, Single
	932-288			12		KIT, Liner, Single
	932-282				12	KIT, Liner, Single
	907-242	12	12			KIT, Piston Ring
	907-244			12		KIT, Piston Ring
	907-241				12	KIT, Piston Ring

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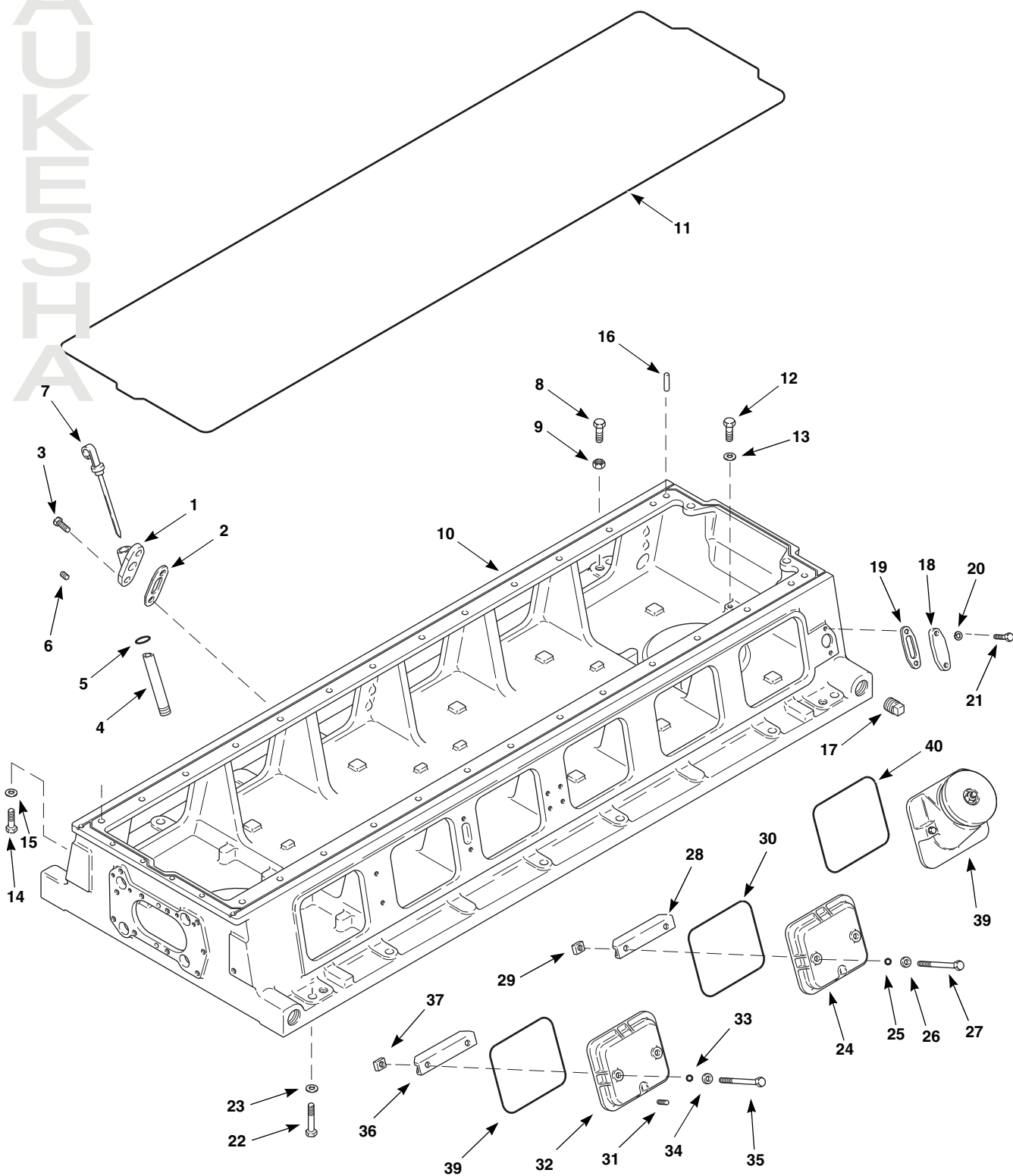
CRANKSHAFT, PULLEY, FLYWHEEL, VIBRATION DAMPER

GROUPS 11, 13, 20, 95

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
GROUP 11						
1	A200411D	1	1	1	1	CRANKSHAFT-Assembly
2	• 199168A	24	24	24	24	• SCREW, Counterweight
3	• 211503	6	6	6	6	• SCREW, Set, Socket Head, Cup Point, 1/2"-13 x 3/4"
4	• 209667	24	24	24	24	• WASHER, Hardened
5	• 28728	1	1	1	1	• PIN, Dowel
6	153044C	1	1	1	1	WASHER, Thrust
7	200012K	1	1	1	1	GEAR, Crankshaft
8	153042	1	1	1	1	SLINGER, Oil
9	26800	2	2	2	2	PIN, Roll, 1/8" x 5/8"
GROUP 13						
10	28234	12	12	12	12	BOLT, Flywheel
11	B367	12	12	12	12	WASHER, Plain 5/8"
12	211638B	2	2	2	2	TAPE, Timing
13	Variable	1	1	1	1	FLYWHEEL-Assembly
	• 153381B	1	1	1	1	• GEAR, Ring
GROUP 20						
14	A200122H	3	3	3	3	BEARING, Main (Front, Center, Rear)
	A200122F		3		3	BEARING, Main (Front, Center, Rear) For Landfill Gas Applications, Aluminum
15	A200125F	4	4	4	4	BEARING, Main (Intermediate)
	A200125D	4	4	4	4	BEARING, Main (Intermediate) For Landfill Gas Applications, Aluminum
16	153031D	2	2	2	2	RING, Thrust (Set of Two Matched Halves)
	153031B1	2	2	2	2	RING, Thrust, Oversized (Set of Two Matched Halves)
17	26738	4	4	4	4	PIN, Roll, 5/16" x 5/8"
GROUP 95						
18	118013Z	1	1	1	1	O-RING
19	153160E	1	1	1	1	SPACER, Crankshaft Pulley (Rear)
20	153161B	1	1	1	1	SLEEVE, Crankshaft Pulley
21	200695N	1	1	1	1	PULLEY, Crankshaft – Rear, 10"
22	199331	1		1		DAMPER, Vibration – Rear, 24"
	199331C		1		1	
23	28744	10	10	10	10	CAPSCREW, Socket Head, 1/2"-13 x 2"
24	B355	10	10	10	10	WASHER, Flat 1/2"
25	153163E	1	1	1	1	SLEEVE, Crankshaft Pulley
26	153162B	1	1	1	1	PLATE, End, Crankshaft
27	28796	3	3	3	3	CAPSCREW, Hex Head, 7/8"-14 x 3-1/2"
28	B931A	3	3	3	3	WASHER, Flat 7/8"
29	214160	3	3	3	3	SPACER
SERVICE REPAIR KITS						
	G-911-270	1	1	1	1	Crankshaft and Crankshaft Bearings Kit, (Crankshaft A200411D) (Includes Items 1, 15 – 18)
	G-918-332	1	1	1	1	Main Bearing Kit (Includes Items 15 – 18)
	G-918-337	1	1	1	1	Main Bearing Kit Aluminum, For Landfill Gas Applications

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.





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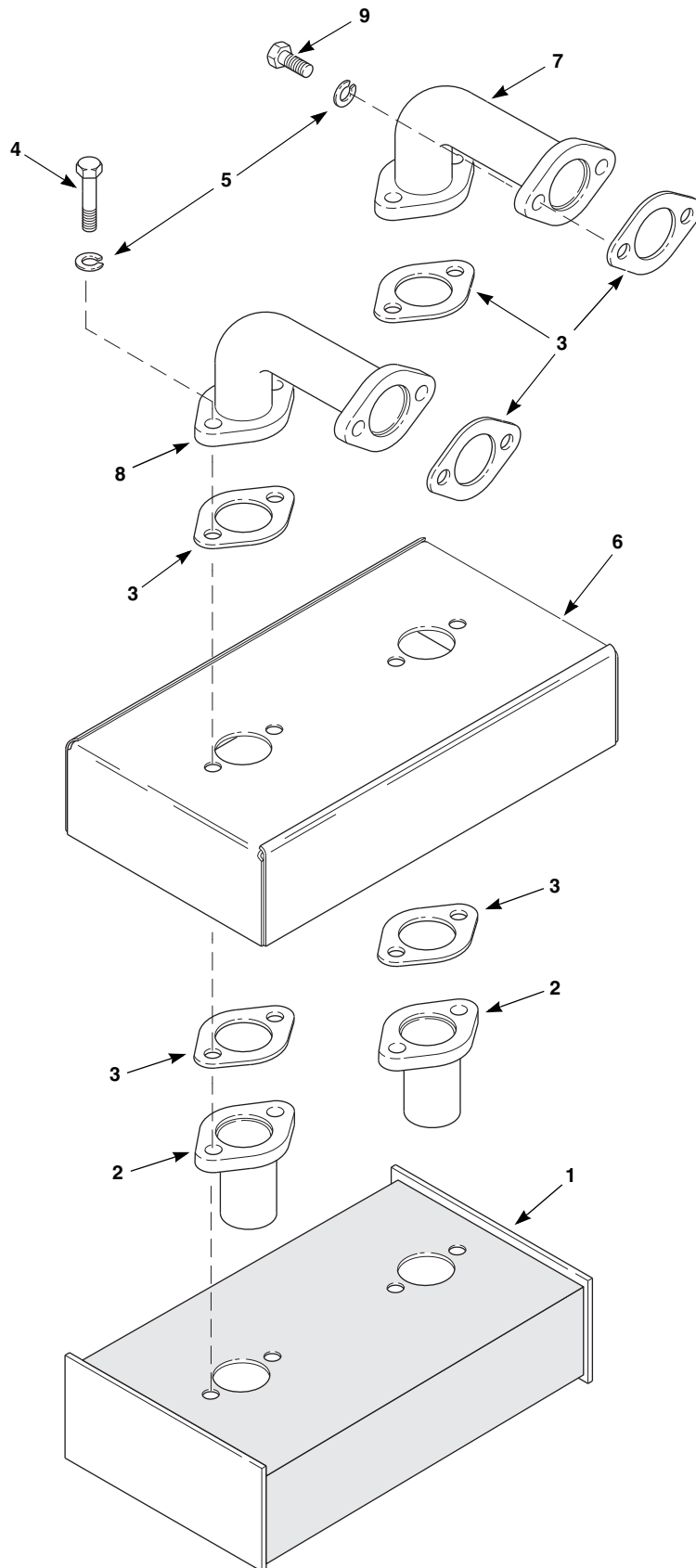
014.00
OIL PAN
GROUPS 3, 14

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 3
1	153014C	2	2	2	2	SUPPORT, Oil Gauge
2	153142A	2	2	2	2	GASKET, Oil Gauge Support
3	26990	4	4	4	4	CAPSCREW, Hex Head, Nylok, 3/8" x 16 x 1"
4	153144	2	2	2	2	TUBE, Oil Gauge
5	118013N	2	2	2	2	O-RING
6	26743	7	7	7	7	PLUG, Pipe, Square Head, 1/8"
7	C156600X	2	2	2	2	GAUGE, Oil Level-Assembly
						GROUP 14
8	166572	4	4	4	4	BOLT, Oil Pan Leveling
9	21247	4	4	4	4	NUT, Thin Hex, 1"-8
10	200214K	1	1	1	1	PAN, Oil
11	166192K	1	1	1	1	SEAL, Oil Pan
12	21489	28	28	28	28	CAPSCREW, Place Type, 3/4"-10 x 2-1/2"
13	B2239	28	28	28	28	WASHER, Flat, 3/4"
14	28570	6	6	6	6	CAPSCREW, Grade 8, 1/2"-13 x 2.0"
15	B355	6	6	6	6	WASHER, Flat, 1/2"
16	153119	2	2	2	2	PIN, Dowel
17	74113	1	1	1	1	PLUG, Pipe, Square Head, 2"
18	158404	2	2	2	2	PLATE, Cover, Right Side
19	158405	2	2	2	2	GASKET, Cover Plate
20	21054	4	4	4	4	WASHER, Lock, 1/2"
21	21425	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
22	21470	2	2	2	2	CAPSCREW, Hex Head, 5/8"-11 x 2-1/4"
23	B367	2	2	2	2	WASHER, Flat, 0.656" x 1.187" x 0.104"
	E200224	11	11	11	11	DOOR, Oil Pan-Assembly
24	•200224	11	11	11	11	• DOOR, Oil Pan
25	•305552	22	22	22	22	• O-RING, 10.77" x 1/4", Viton
26	•B2767	22	22	22	22	• WASHER, Flat, 15/32" x 5/8" x 1/4"
27	•28766	22	22	22	22	• CAPSCREW, Oil Pan Door
28	•153122J	11	11	11	11	• CLAMP, Oil Pan Door
29	•28767	22	22	22	22	• NUT, Square, 7/16" - 14
30	•153121A	11	11	11	11	• O-RING, Oil Pan Door
31	28677	1	1	1	1	PLUG, Pipe, Hex Head, 1/2"
	C200224A	1	1	1	1	DOOR, Oil Pan-Assembly w/1/2" NPSF Hole
32	•200224A	1	1	1	1	• DOOR, Oil Pan
33	•305552	1	1	1	1	• O-RING, 10.77, x 1/4,, Viton
34	•B2767	2	2	2	2	• WASHER, Flat, 15/32" x 5/8" x 1/4"
35	•28766	2	2	2	2	• CAPSCREW, Oil Pan Door
36	•153122J	1	1	1	1	• CLAMP, Oil Pan Door
37	•28767	1	1	1	1	• NUT, Square, 7/16" - 14
38	•153121A	1	1	1	1	• O-RING, Oil Pan Door
39	199703F	4	4	4	4	VALVE, Explosion Relief (Optional – replaces 4 of item 25)
40	•153121A	4	4	4	4	• O-RING, Explosion Relief Valve

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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014.10

OIL PICKUP SCREEN

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 14
1	A153123B	1	1	1	1	SCREEN, Oil
2	A156308C	2	2	2	2	TUBE, Oil
3	153127A	6	6	6	6	GASKET, Oil Tube Flange
4	21350	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"
5	21052	6	6	6	6	WASHER, Lock, 3/8"
6	169829C	1	1	1	1	BAFFLE, Oil Screen
7	209246B	1	1	1	1	TUBE, Oil, LH
8	209246C	1	1	1	1	TUBE, Oil, RH
9	21362	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 2"

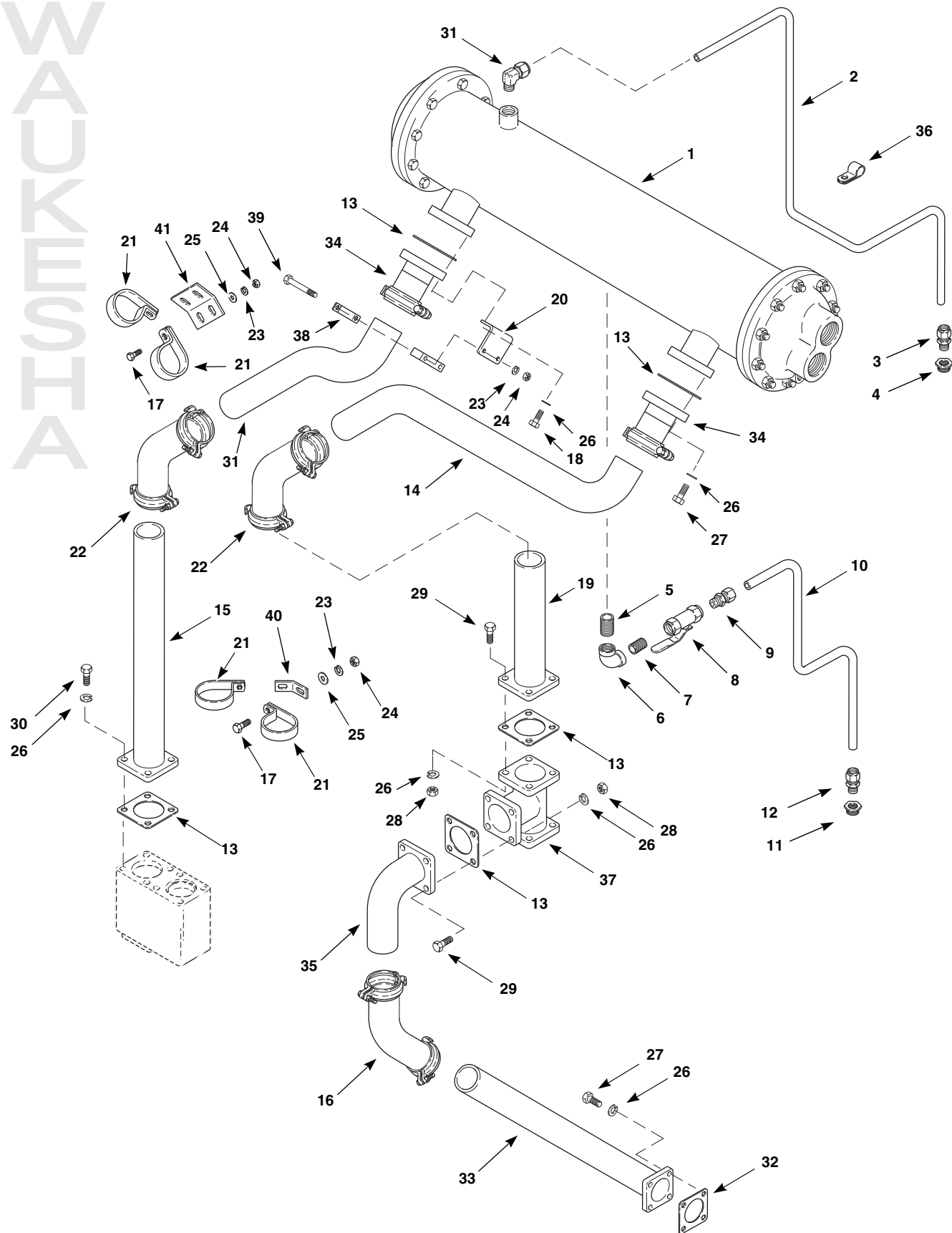
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017.00
ENGINE MOUNTED OIL COOLER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 17
1	211857B	1	1	1	1	COOLER, Oil, Engine Mounted
2	214032K	1	1	1	1	TUBE, Oil Cooler Vent
3	194769E	1	1	1	1	CONNECTOR, Male
4	78212F	1	1	1	1	BUSHING, Reducing, 3/4" x 1/4" NPT
5	119434W	1	1	1	1	PIPE, 1/2" x 1-1/8" NPT
6	168439M	1	1	1	1	ELBOW, Reducing, 90°, 1/2" x 3/8" NPT
7	118566X	1	1	1	1	PIPE, 3/8" x 1"
8	207585	1	1	1	1	VALVE, 3/8"
9	194769G	1	1	1	1	CONNECTOR, Male
10	214009Z	1	1	1	1	TUBE, Oil Cooler Drain
11	B6280	1	1	1	1	BUSHING, Reducing, 3/4" x 3/8"
12	194769G	1	1	1	1	CONNECTOR, Male
13	169874D	9	9	9	9	GASKET, Lube System
14	A214107A	1	1	1	1	Tube, Oil Cooler Supply, Upper
15	A214108B	1	1	1	1	TUBE, Oil Cooler Thermostat Housing, Lower
16	214106	1	1	1	1	COUPLING, Flexmaster, 2" Pipe 45° Long Elbow
17	21438	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 1"
18	21435	2	2	2	2	CAPSCREW, Hex Head, 1/2"-13 x 2"
19	A214108A	1	1	1	1	TUBE, Oil Cooler Supply Lower
20	209792Z	1	1	1	1	BRACKET, Pipe Support
21	168427T	6	6	6	6	CLAMP, Pipe
22	214106	2	2	2	2	COUPLING, Flexmaster 45°, 2, pipe
23	21052	1		1	1	WASHER, Lock, 3/8"
24	21189	8	8	8	8	NUT, Hex, 3/8"-16
25	Y18813H	4	4	4	4	WASHER, Flat, 3/8"
26	21054	40	40	40	40	WASHER, Lock, 1/2"
27	21433	10	10	10	10	CAPSCREW, Hex Head, 1/2"-13 x 1-3/4"
28	21205	24	24	24	24	NUT, Hex, 1/2"-13
29	21437	24	24	24	24	CAPSCREW, Hex Head, 1/2"-13 x 2-1/4"
30	21431	8	8	8	8	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
31	199111J	1	1	1	1	ELBOW, Male
32	208601B	1	1	1	1	GASKET, Oil Pump Discharge
33	214112A	1	1	1	1	TUBE, Oil Pump To Thermostat Housing, Lower
34	A208689D	2	2	2	2	COUPLING Flexmaster Bulkhead, 2" pipe
35	A214111A	1	1	1	1	TUBE, Oil Pump To Thermostat Housing, Upper
36	169013G	1	1	1	1	CLIP
37	169872	1	1	1	1	TEE, Oil Cooler Outlet
38	168665B	2	2	2	2	CLAMP, Pipe, 2" pipe
39	21367	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 2-3/4"
40	211755T	1	1	1	1	BRACE, Support Clip
41	214130	1	1	1	1	BRACKET, Clamp Support

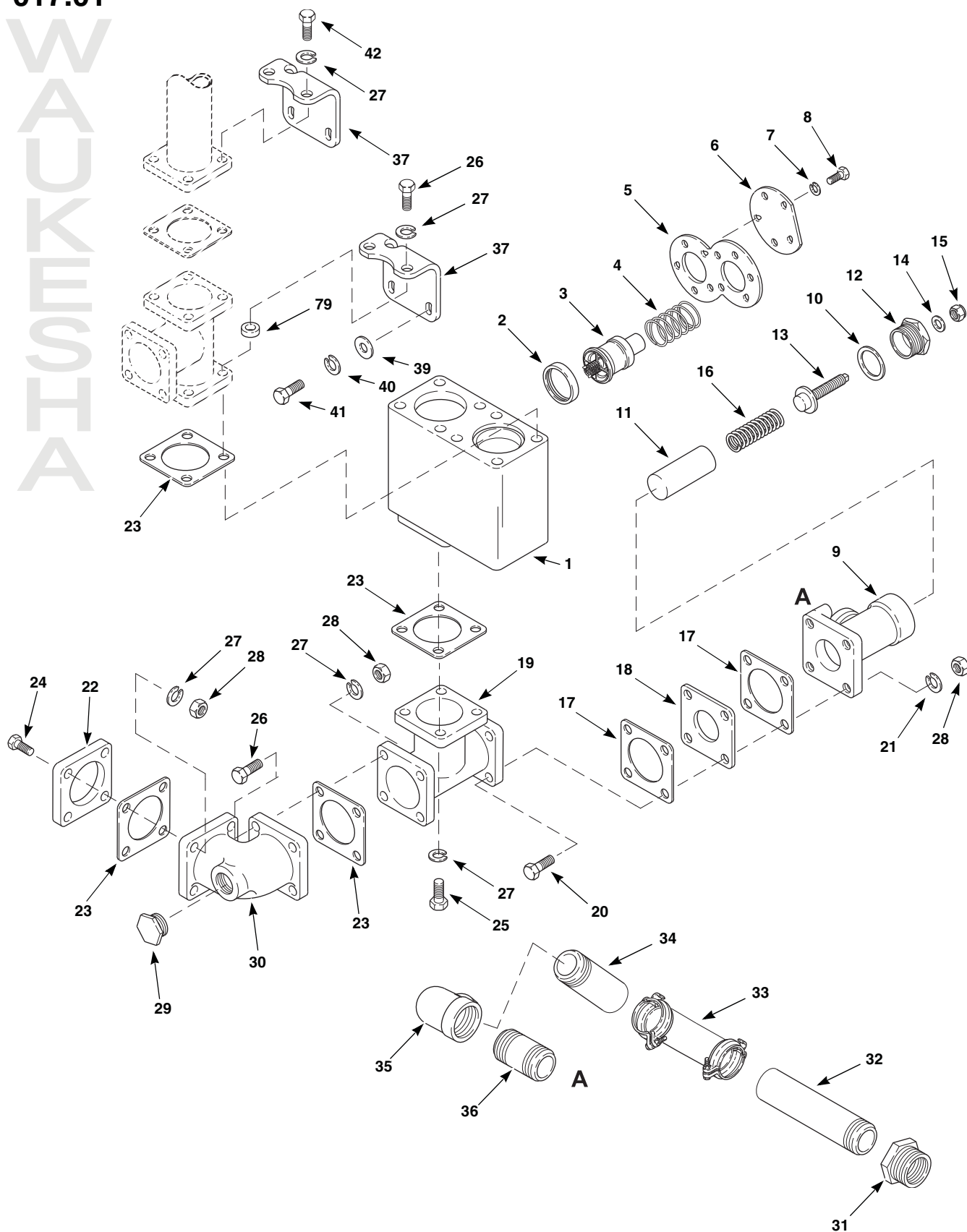
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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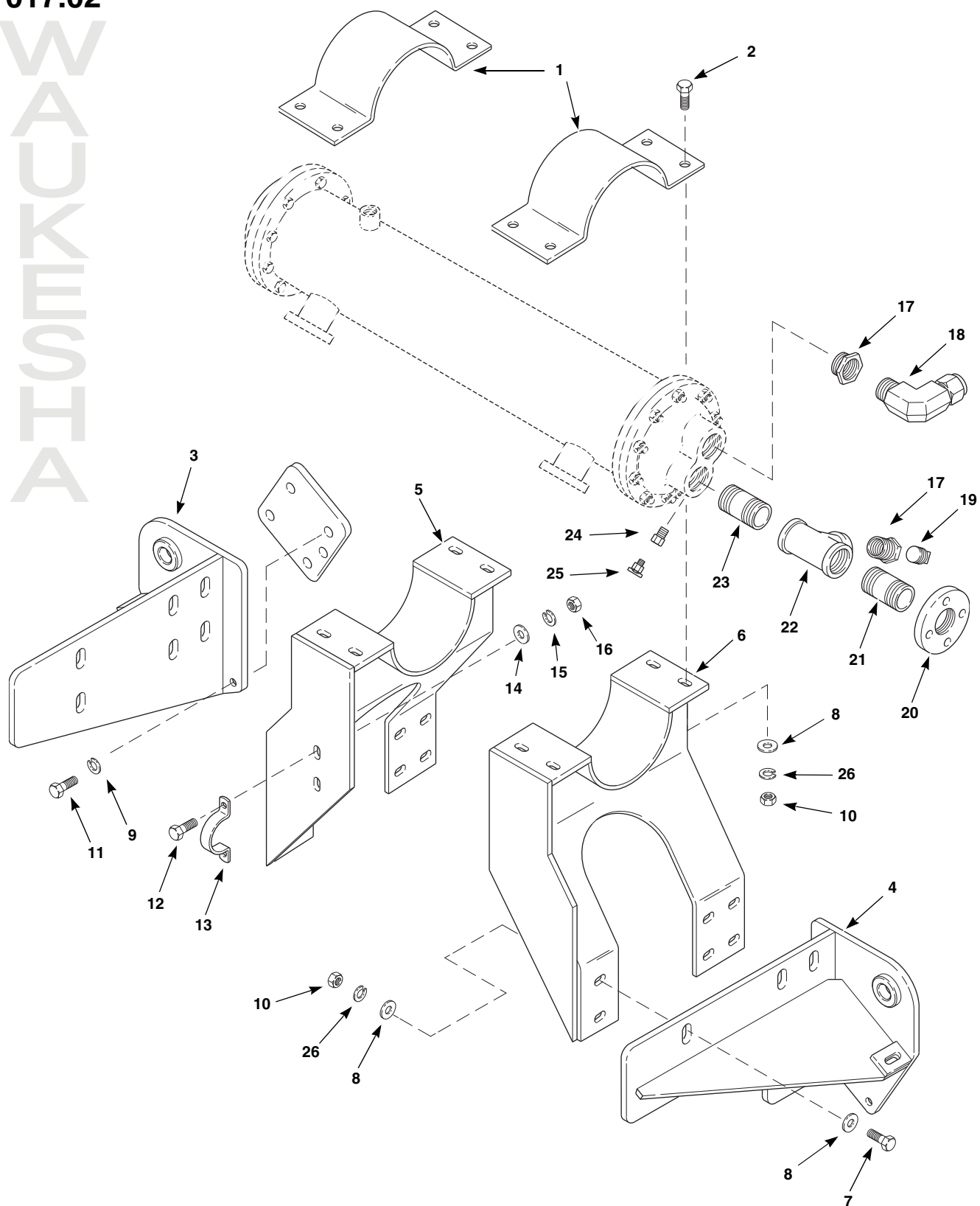
ENGINE MOUNTED OIL COOLER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
1	• A169876B	1	1	1	1	• BODY, Oil Temperature Regulator Valve
2	• 153610	2	2	2	2	• SEAL, Thermostat
3	• 211887A	1	1	1	1	• THERMOSTAT, 165°F
	• 211887				1	• THERMOSTAT, 160°F
4	• 207202	2	2	2	2	• SPRING, Bypass Valve
5	• 169869A	1	1	1	1	• GASKET, Bypass Valve
6	• 207201	2	2	2	2	• COVER, Bypass valve
7	• 21051	10	10	10	10	• WASHER, Lock, 5/16"
8	• 21312	10	10	10	10	• CAPSCREW, Hex Head, 5/16"-18 x 7/8"
	F169871	1	1	1	1	VALVE, Pressure Regulator
9	• 169871	1	1	1	1	• BODY, Pressure Regulator Valve
10	• 116861B	1	1	1	1	• WASHER, Nylon
11	• 169875	1	1	1	1	• PLUNGER, Pressure Regulator Valve
12	• 169877	1	1	1	1	• PLUG, Pressure Regulator Valve
13	• 169878	1	1	1	1	• CAPSCREW, 1/2"-20 x 2-1/8"
14	• 199083B	1	1	1	1	• WASHER, Nylon, 1/2"
15	• 157635	1	1	1	1	• NUT, Stop, 1/2"-20
16	• 169876A	1	1	1	1	• SPRING, Pressure Regulator
17	• 169874	2	2	2	2	• GASKET, Lube System
18	• 169873	1	1	1	1	• PLATE, Pressure Regulator
19	• 169872	1	1	1	1	• TEE, Oil Cooler Outlet
20	• 21435	3	3	3	3	• CAPSCREW, 1/2"-13 x 2"
21	• 21054	66	66	66	66	• WASHER, Lock, 1/2"
22	169856A	1	1	1	1	FLANGE
23	169874	11	11	11	11	GASKET, Lube System
24	21435	20	20	20	20	CAPSCREW, Hex Head, 1/2"-13 x 2"
25	21431	10	10	10	10	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
26	21437	12	12	12	12	CAPSCREW, Hex Head, 1/2"-13 x 2-1/4"
27	21054	66	66	66	66	WASHER, Lock, 1/2"
28	21205	38	38	38	38	NUT, Hex, 1/2"-13
29	28697	1	1	1	1	PLUG, Pipe, 1"
30	169879C	1	1	1	1	ELBOW
31	78212W	1	1	1	1	BUSHING, Reducer, 2" – 1-1/2"
32	155997	1	1	1	1	PIPE, 1-1/2" NPT x 10", TOE
33	209085D	1	1	1	1	COUPLING, Flexmaster, Elbow, 1-1/2"
34	164972H	1	1	1	1	PIPE, 1-1/2" NPT x 5-1/2", TOE
35	78204G	1	1	1	1	ELBOW, Pipe, 1-1/2" NPT
36	85761U	1	1	1	1	PIPE, 1-1/2" NPT x 1-3/4", TOE
37	209792W	2	2	2	2	BRACKET, Oil Thermostat Housing
38	76567	2	2	2	2	SPACER
39	Y18813H	8	8	8	8	WASHER, Flat, 3/8"
40	21052	8	8	8	8	WASHER, Lock, 3/8"
41	21354	4	4	4	4	CAPSCREW, Hex Head, 3/8"-13 x 1-3/8"
42	21441	2	2	2	2	CAPSCREW, Hex Head, 1/2"-13 x 2-3/4"

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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017.02

ENGINE MOUNTED OIL COOLER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
1	209816A	2	2	2	2	STRAP, Support
2	21433	8	8	8	8	CAPSCREW, Hex Head, 1/2"-13 x 2-1/4"
3	169969W	1	1	1	1	BRACKET, Oil Cooler, RH
4	169969X	1	1	1	1	BRACKET, Oil Cooler, LH
5	214076B	1	1	1	1	SUPPORT, Oil Cooler, RH
6	214076C	1	1	1	1	SUPPORT, Oil Cooler, LH
7	21435	14	14	14	14	CAPSCREW, Hex Head, 1/2"-13 x 2"
8	Y18813K	28	28	28	28	WASHER, Flat, 1/2"
9	290023	8	8	8	8	WASHER, Lock, 1/2"
10	21205	8	8	8	8	NUT, Hex, 1/2"-13
11	28283	8	8	8	8	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
12	21352	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 1-1/4"
13	168665A	2	2	2	2	CLAMP, Pipe Saddle
14	Y18813H	14	14	14	14	WASHER, Flat, 3/8"
15	21052	24	24	24	24	WASHER, Lock, 3/8"
16	21189	12	12	12	12	NUT, Hex, 3/8"-16
17	78212V	2	2	2	2	BUSHING, Reducing, 2-1/2" x 2" NPT
18	P312671	1	1	1	1	ELBOW, 90° Male Connector
19	74113	1	1	1	1	PLUG, Square Head, 2" NPT
20	118879C	1	1	1	1	FLANGE, Cooler Water Outlet Assembly
21	7447V	1	1	1	1	PIPE, 2-1/2" x 3" NPT
22	116015B	1	1	1	1	TEE, Pipe, 2-1/2" NPT
23	211858B	1	1	1	1	PIPE, 2-1/2" X 6" NPT
24	78212D	1	1	1	1	BUSHING, Reducing, 1/2" NPT
25	73413A	1	1	1	1	COCK, Drain, 3/8" NPT
26	21054	22	22	22	22	WASHER, Lock, 1/2"

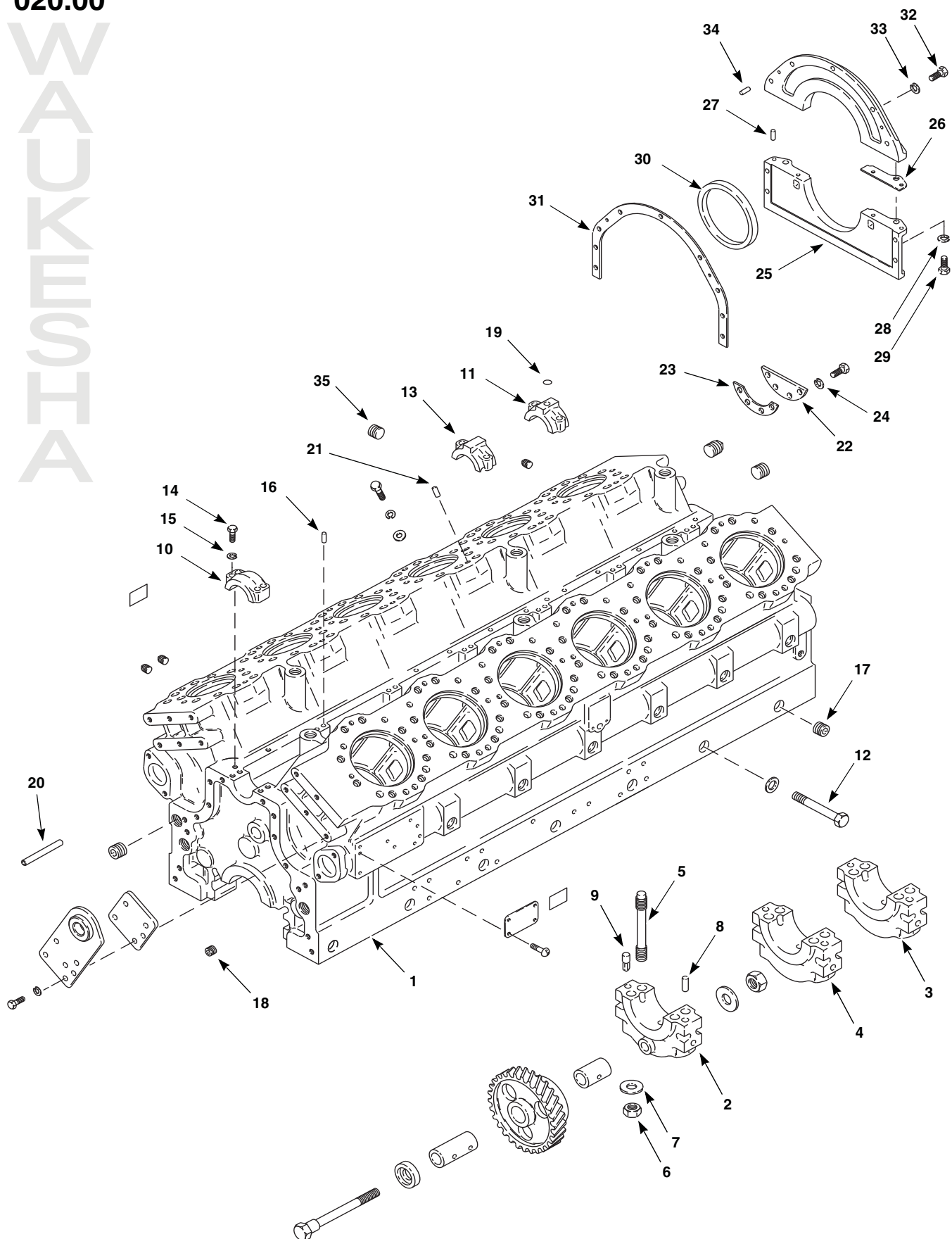
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CRANKCASE, LIFTING EYE, IDLER GEAR

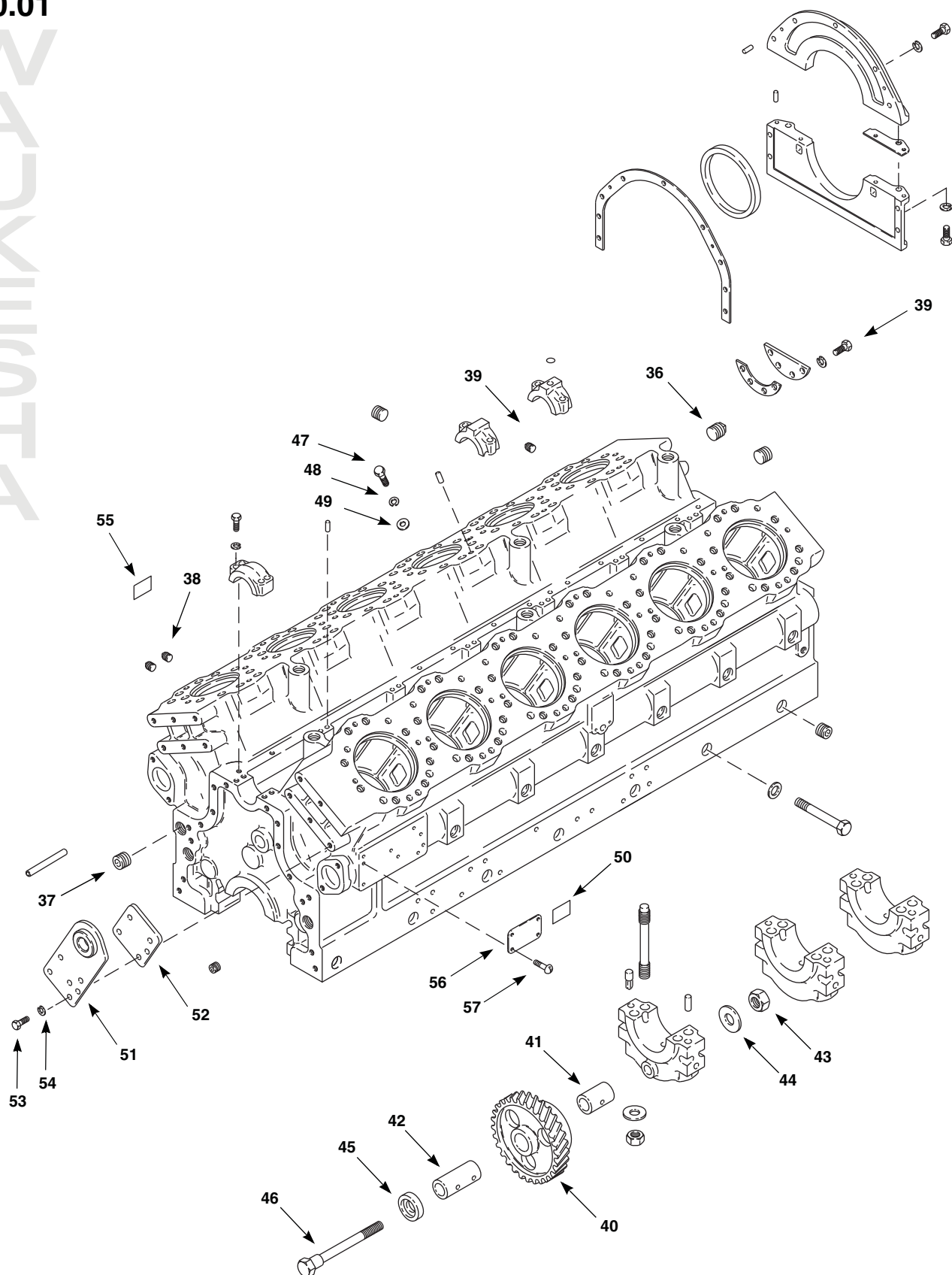
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 20
1	A200420	1	1	1		CRANKCASE-Assembly, 8-1/2" Bore
	A200520				1	CRANKCASE-Assembly, 9-3/8" Bore
2	• 200146K	1	1	1	1	• CAP, Main Bearing, Front
3	• 200149J	2	2	2	2	• CAP, Main Bearing, Center and Rear
4	• 200117N	4	4	4	4	• CAP, Main Bearing, Intermediate
5	• 168514B	28	28	28	28	• STUD, Main Bearing Cap
6	• 214045	28	28	28	28	• NUT, Main Bearing Cap Stud
7	• B2239	42	42	42	42	• WASHER, Hardened
8	• 153018	7	7	7	7	• PIN, Dowel, Main Bearing Cap
9	• 214044	7	7	7	7	• PIN, Diamond, Bearing Cap
10	• 153010	1	1	1	1	• CAP, Camshaft Bearing, Front
11	• 153012A	1	1	1	1	• CAP, Camshaft Bearing, Center
12	• 28276	14	14	14	14	• CAPSCREW, Hex Head, 3/4"-10 x 7-1/2"
13	• 153012D	5	5	5	5	• CAP, Camshaft Bearing, Intermediate and Rear
14	• 21365	16	16	16	16	• CAPSCREW, Hex Head, 3/8"-16 x 2-1/2"
15	• 21052	16	16	16	16	• WASHER, Lock, 3/8"
16	• B565	14	14	14	14	• PIN, Dowel, Camshaft Bearing Cap
17	• 78283E	12	12	12	12	• PLUG, Pipe, Countersunk Headless, 1-1/2"
18	78283D	1	1	1	1	PLUG, Pipe, Countersunk Headless, 1-1/4"
19	118013N	7	7	7	7	O-RING
20	153030	2	2	2	2	TUBE, Oil, Timing Gears
21	B9132	24	24	24	24	PIN, Dowel, Cylinder Head
22	153037A	1	1	1	1	PLATE, Camshaft Cover
23	153038A	1	1	1	1	GASKET, Camshaft Cover Plate
24	21632	4	4	4	4	WASHER, Internal Shakeproof, 3/8"
25	D200091	1	1	1	1	RETAINER, Rear Oil Seal-Assembly
26	• 153023	2	2	2	2	• GASKET, Oil Seal Retainer, Upper to Lower Half
27	• B2315	2	2	2	2	• PIN, Dowel
28	• 21053	2	2	2	2	• WASHER, Lock, 7/16"
29	• 21395	2	2	2	2	• CAPSCREW, Hex Head, 7/16"-14 x 1-1/4"
30	153554A	1	1	1	1	SEAL, Oil, Rear
31	153024	1	1	1	1	GASKET, Oil Seal Retainer to Crankcase
32	21348	9	9	9	9	CAPSCREW, Hex Head, 3/8"-16 x 1"
33	21052	9	9	9	9	WASHER, Lock, 3/8"
34	B3568	2	2	2	2	PIN, Dowel
35	28641	4	4	4	4	PLUG, Pipe, Countersunk Headless, 3/4"

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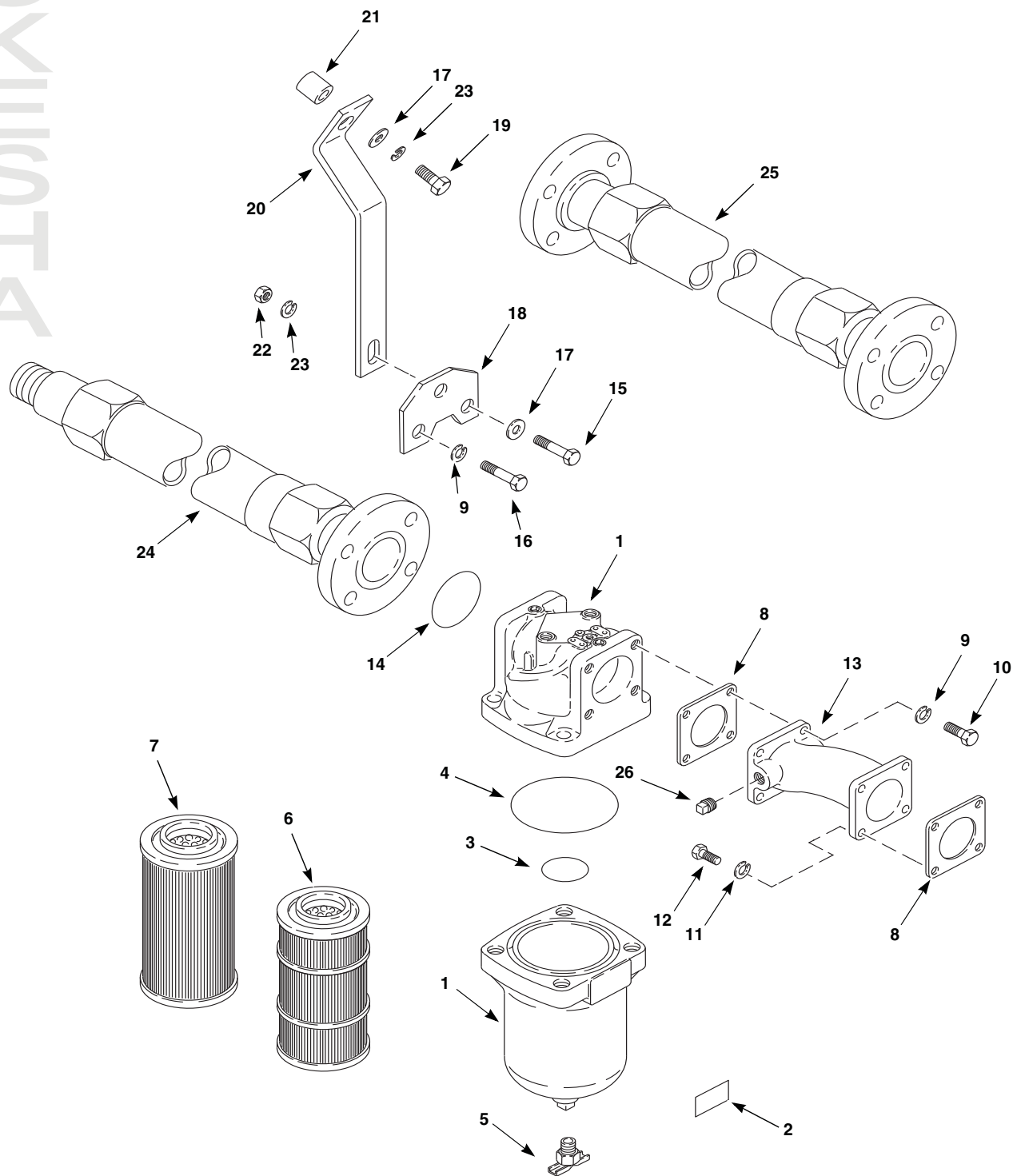
CRANKCASE, LIFTING EYE, IDLER GEAR GROUPS 20, 17, 16

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 20 (continued)
36	78282J	2	2	2	2	PLUG, Pipe, Square Head, 1-1/2"
37	78283D	2	2	2	2	PLUG, Pipe, Countersunk Headless, 1-1/4"
38	28677	5	5	5	5	PLUG, Pipe, Hex Head, 1/2"
39	21343	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 3/4"
40	A153015G	1	1	1	1	GEAR, Oil Pump-Assembly
41	• 145029A	1	1	1	1	• BUSHING, Oil Pump Gear
42	153063E	1	1	1	1	SPINDLE, Oil Pump Gear
43	118091B	1	1	1	1	NUT, Hex, Grade 8, 3/4"-16
44	B2239	1	1	1	1	WASHER, Plain
45	153751A	1	1	1	1	WASHER, Plain
46	28611A	1	1	1	1	SCREW, Oil Pump Gear Spindle
47	296165	12	12	12	12	CAPSCREW, Hex Head M12 x 32 x 20 (DSM Sensor Mounting Hole Plug)
48	21054	4	4	4	4	WASHER, Lock, 1/2"
49	Y18813K	12	12	12	12	WASHER, Flat, 1/2"
50	211297	1	1	1	1	DECAL, Made In USA
						GROUP 17
51	168370G	2	2	2	2	EYE, Lifting
52	168370K	2	2	2	2	SPACER, Lifting Eye
53	28570	8	8	8	8	CAPSCREW, Hex Head, 1/2"-13 x 2", Grade 8
54	290023	8	8	8	8	WASHER, Lock, 1/2", Grade 8
55	118996	1	1	1	1	DECAL, Drain
						GROUP 16
56	211853V	1	1	1	1	PLATE, Name, Engine
57	B557A	4	4	4	4	SCREW, Thread Cutting

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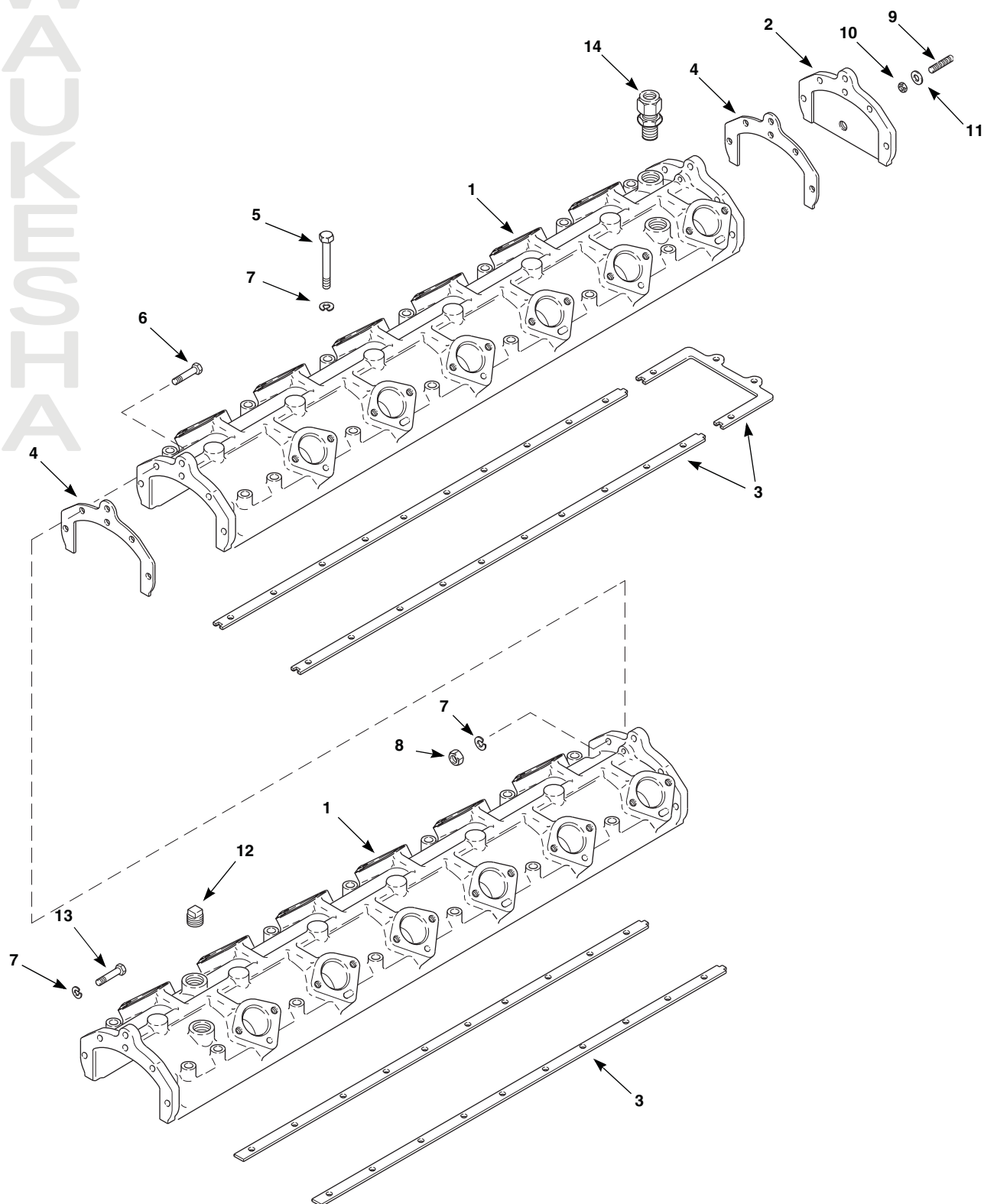
OIL STRAINER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 20
	A153707L	1	1	1	1	STRAINER, Lube Oil-Assembly
1	•153707L	1	1	1	1	• STRAINER, Lube Oil
2	•208955A	1	1	1	1	• PLATE, Instruction
3	•493026	1	1	1	1	• SEAL, Housing
4	•493023	1	1	1	1	• O-RING, Lube Oil Strainer
5	•73413A	1	1	1	1	• COCK, Drain, 3/8" NPT
6	•208472B	1	1	1	1	• ELEMENT, Strainer, Stainless Steel
7	•A208472	2	2	2	2	• ELEMENT, Strainer, Paper (For Initial Start Up of New and Rebuilt Engines Only)
8	208601A	2	2	2	2	GASKET
9	21051	8	8	8	8	WASHER, Lock, 5/16"
10	21315	8	8	8	8	CAPSCREW, Hex Head, 5/16"-18 x 1-1/4"
11	21054	4	4	4	4	WASHER, Lock, 1/2"
12	21315	6	6	6	6	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
13	209075A	1	1	1	1	ADAPTER, Lube Oil, Strainer
14	208611	2	2	2	2	GASKET, O-Ring
15	21352	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 1-1/4"
16	26249	2	2	2	2	CAPSCREW, Hex Head, 5/16"-18 x 1-3/8"
17	Y18813H	2	2	2	2	WASHER, Flat, 3/8"
18	208544A	1	1	1	1	BRACKET, Strainer
19	21346	1	1	1	1	CAPSCREW, Hex Head, 3/8"-16 x 7/8"
20	208545K	1	1	1	1	STRAP, Strainer
21	B2861D	1	1	1	1	SPACER
22	21189	1	1	1	1	NUT, hEX, 3/8"-24
23	21052	4	4	4	4	WASHER, Lock, 3/8"
24	207534A	1	1	1	1	HOSE, FLEXIBLE, 1.50 ID x 24" Length - Assembly
25	207535	1	1	1	1	HOSE, FLEXIBLE, 2.00 ID x 24" Length - Assembly
26	26750	1	1	1	1	PLUG, Pipe, Hex Head, 1/4"

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020.20 VALVE LIFTER HOUSING

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 20
1	200034E	2	2	2	2	HOUSING, Valve Lifter
2	153302A	1	1	1	1	COVER, Valve Lifter Housing
3	163213A	1	1	1	1	GASKET, Valve Lifter Housing, Set of Side and Rear Gaskets
4	153020B	2	2	2	2	GASKET, Valve Lifter Housing Cover
5	21370	28	28	28	28	CAPSCREW, Hex Head, 3/8" - 16 x 3-1/4"
6	28609	12	12	12	12	CAPSCREW, Ferry Head, Grade 8, 3/8"-16 x 1-1/2"
7	21052	93	93	93	93	WASHER, Lock, 3/8"
8	21189	8	8	8	8	NUT, Hex, 3/8"
9	26470	1	1	1	1	SCREW, Slotted Headless, 3/8"-16 x 2-1/2"
10	21191	1	1	1	1	NUT, Thin Hex, 3/8"-16
11	B2747A	1	1	1	1	WASHER, Nylon
12	78282F	2	2	2	2	PLUG, Pipe, Square Head, 1/2"
13	28269	5	5	5	5	CAPSCREW, Ferry Head, Grade 8, 3/8"-16 x 1-1/4"
14	194769K	2	2	2	2	CONNECTOR, Male 14 x 12

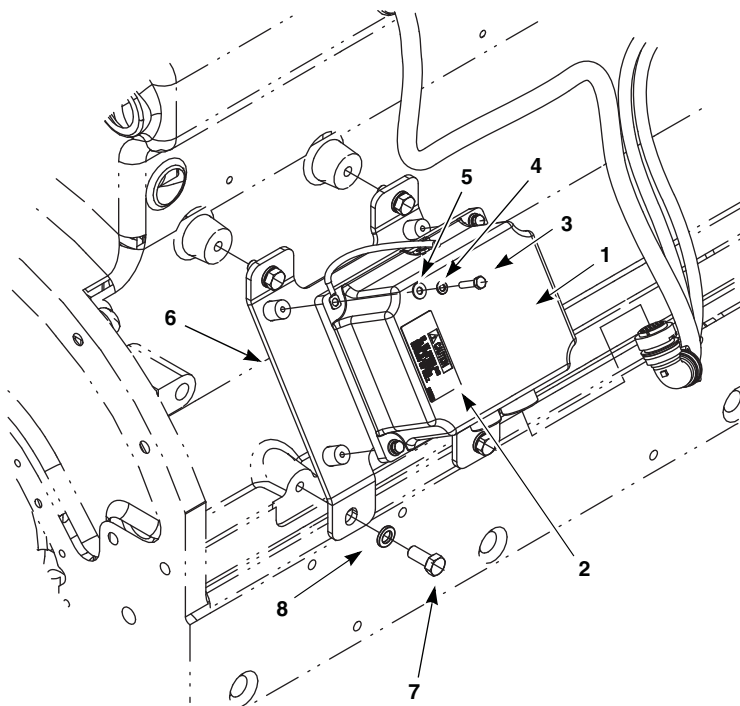
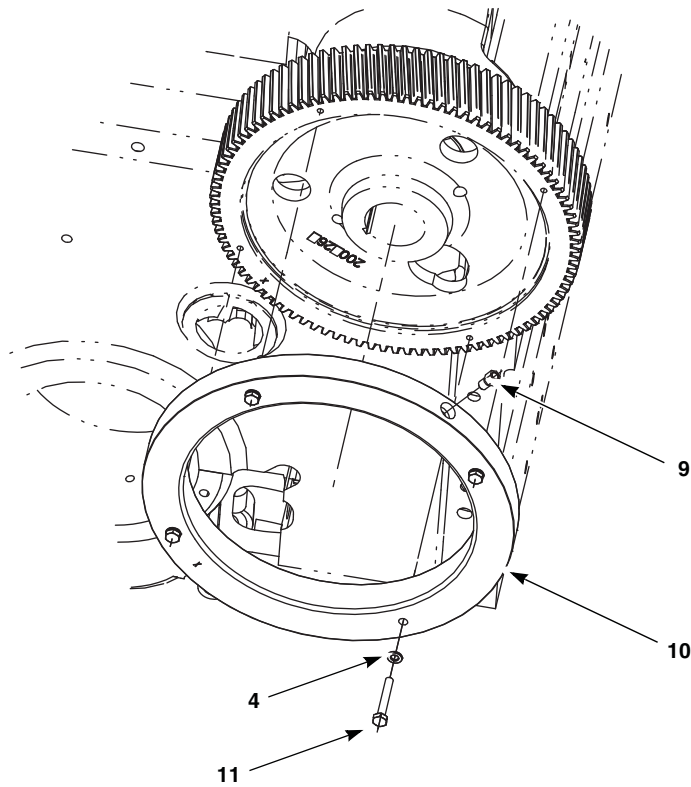
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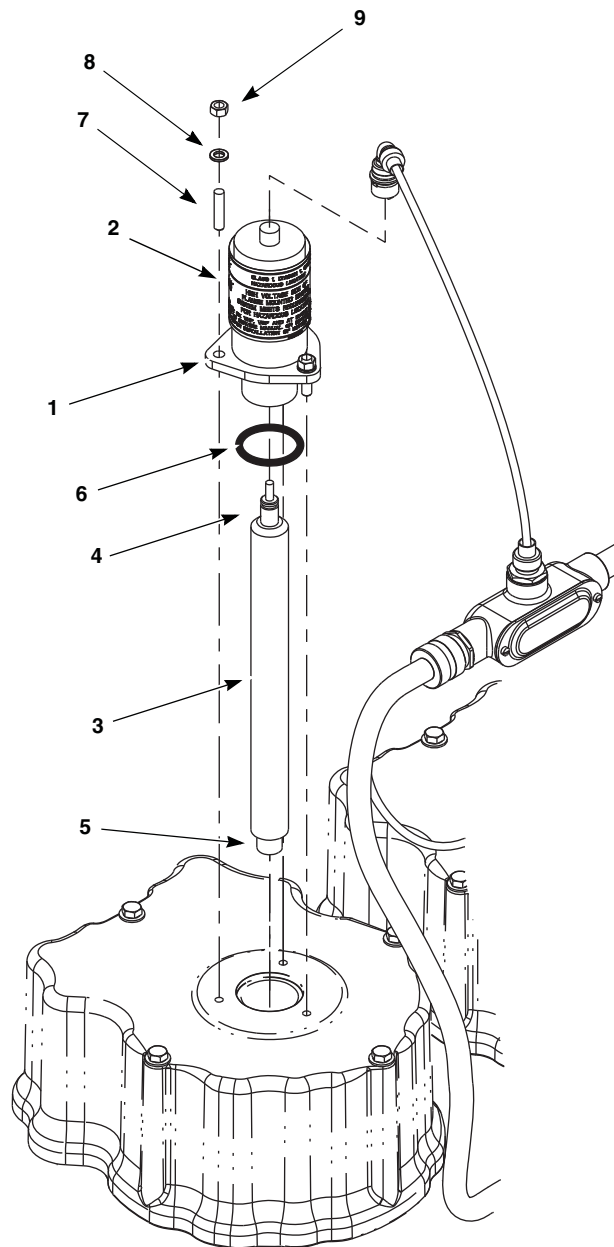
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IGNITION MODULE MOUNTING

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 22
1	740822A	1	1	1	1	MODULE, Ignition Power Diagnostics, IPD
2	211920H	1	1	1	1	LABEL, Ignition Module Washing
3	21271	4	4	4	4	CAPSCREW, Hex Head, 1/4"-20 x 1/2"
4	21050	8	8	8	8	WASHER, Lock, 1/4"
5	Y18813G	4	4	4	4	WASHER, Flat, 1/4"
6	214077	1	1	1	1	BRACKET, IPD Module
7	26248	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 1-1/8"
8	21054	4	4	4	4	WASHER, Lock, 1/2"
9	305509	1	1	1	1	MAGNET, Timing Sensor
10	305805V	1	1	1	1	DISK, Timing
11	21290	4	4	4	4	CAPSCREW, Hex Head, 1/4"-20 x 1-3/4"

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IGNITION HARNESS, SPARK PLUG, IGNITION COIL GROUPS 22, 26

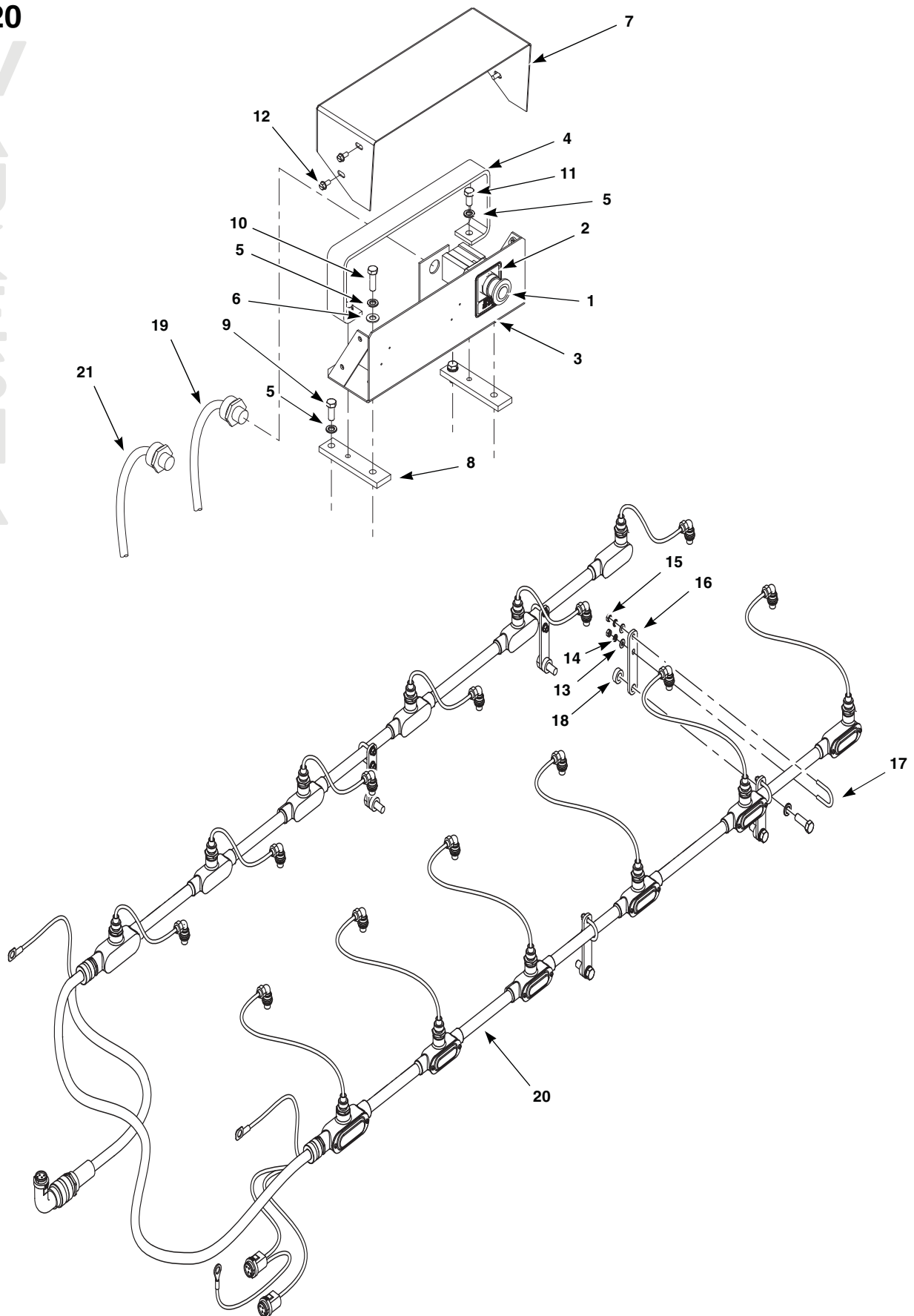
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 22
1	69694G	12	12	12	12	COIL, Ignition
2	296146B	12	12	12	12	LABEL
3	A211797G	12	12	12	12	EXTENSION, Spark Plug
4	•296178	12	12	12	12	• O-RING, Silicone
5	•740011	12	12	12	12	• BOOT, Sillicone
6	292843	12	12	12	12	O-RING
7	39025	36	36	36	36	STUD, 5/16"-24 x 1.44"
8	21538	36	36	36	36	WASHER, Lock, 5/16"
9	21186	36	36	36	36	NUT, Hex, 5/16"-24
						GROUP 26
	60999Z		12		12	PLUG, Spark
	69919D	12		12		PLUG, Spark

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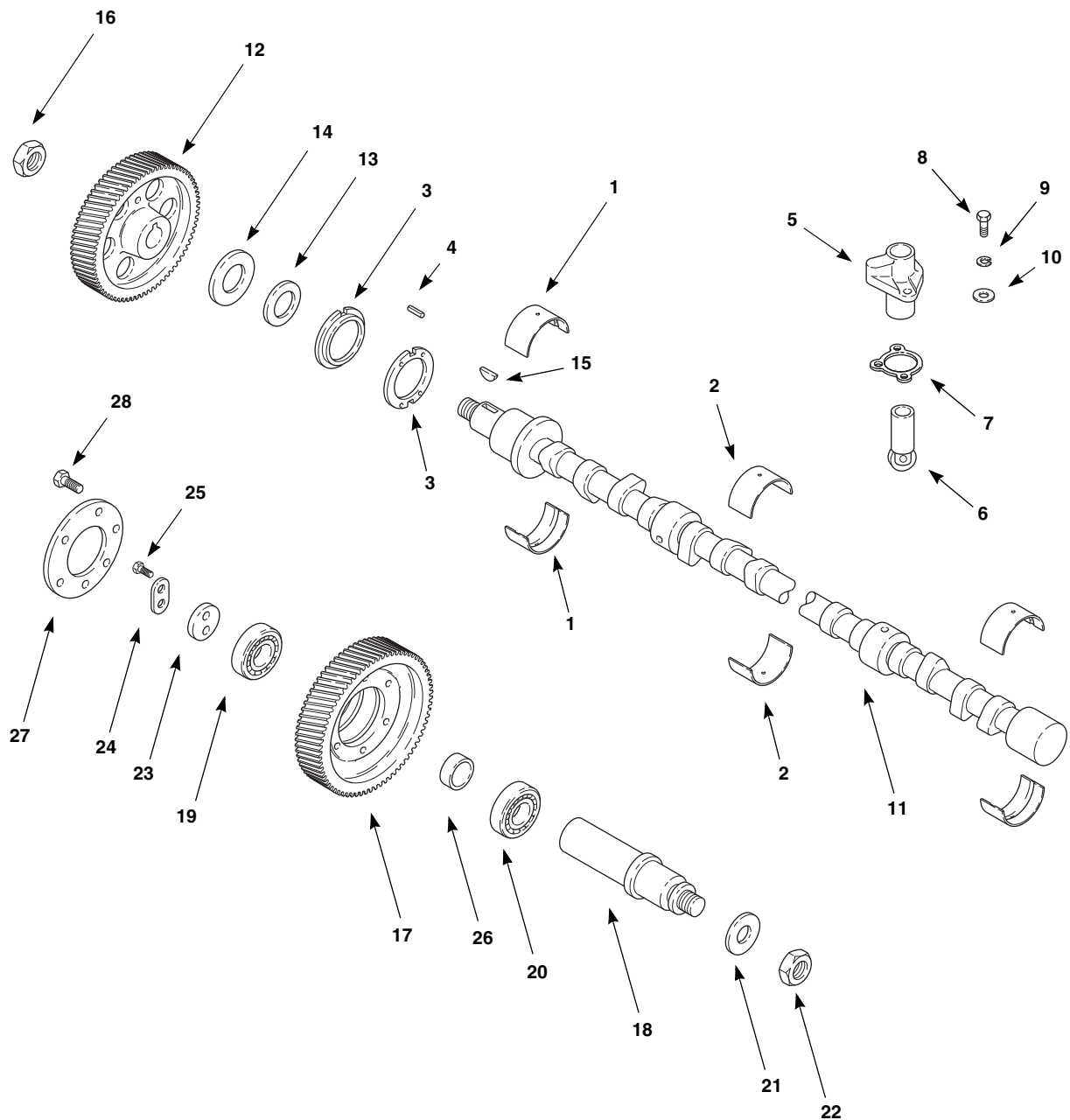
IGNITION CONTROL PANEL

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 22
1	A69828	2	2	2	2	SWITCH, Start/Stop – Assembly
2	305844	2	2	2	2	DECAL, Control Panel
3	214087	2	2	2	2	BRACKET, Emergency Switch
4	214086	2	2	2	2	BRACKET, Sensor Protection
5	21052	12	12	12	12	WASHER, Lock, 3/8”
6	Y18813H	4	4	4	4	WASHER, Flat, 3/8”
7	168991L	2	2	2	2	COVER, Control Panel
8	169514	2	2	2	2	STRAP
9	21348	2	2	2	2	CAPSCREW, Hex Head, 3/8”-16 x 1”
10	21352	4	4	4	4	CAPSCREW, HEx Head, 3/8”-16 x 1-1/4”
11	21343	4	4	4	4	CAPSCREW, Hex Head, 3/8”-16 x 3/4”
12	21797	4	4	4	4	CAPSCREW, Hex Head, #14 x 1/2”
13	Y18813G	12	12	12	12	WASHER, Flat, 1/4”
14	21050	12	12	12	12	WASHER, Lock, 1/4"
15	21173	12	12	12	12	NUT, Hex, 1/4”-20
16	207592C	6	6	6	6	CLIP, Ignition Conduit
17	953946	6	6	6	6	U-BOLT
18	151808	6	6	6	6	SPACER, 3/8”-16 x 1”
19	A740260	1	1	1	1	HARNESS, E-Stop Switch
20	A740283	1	1	1	1	HARNESS, ESM Primary Ignition
21	A740292	1		1		HARNESS, Can ECU to IPM-D

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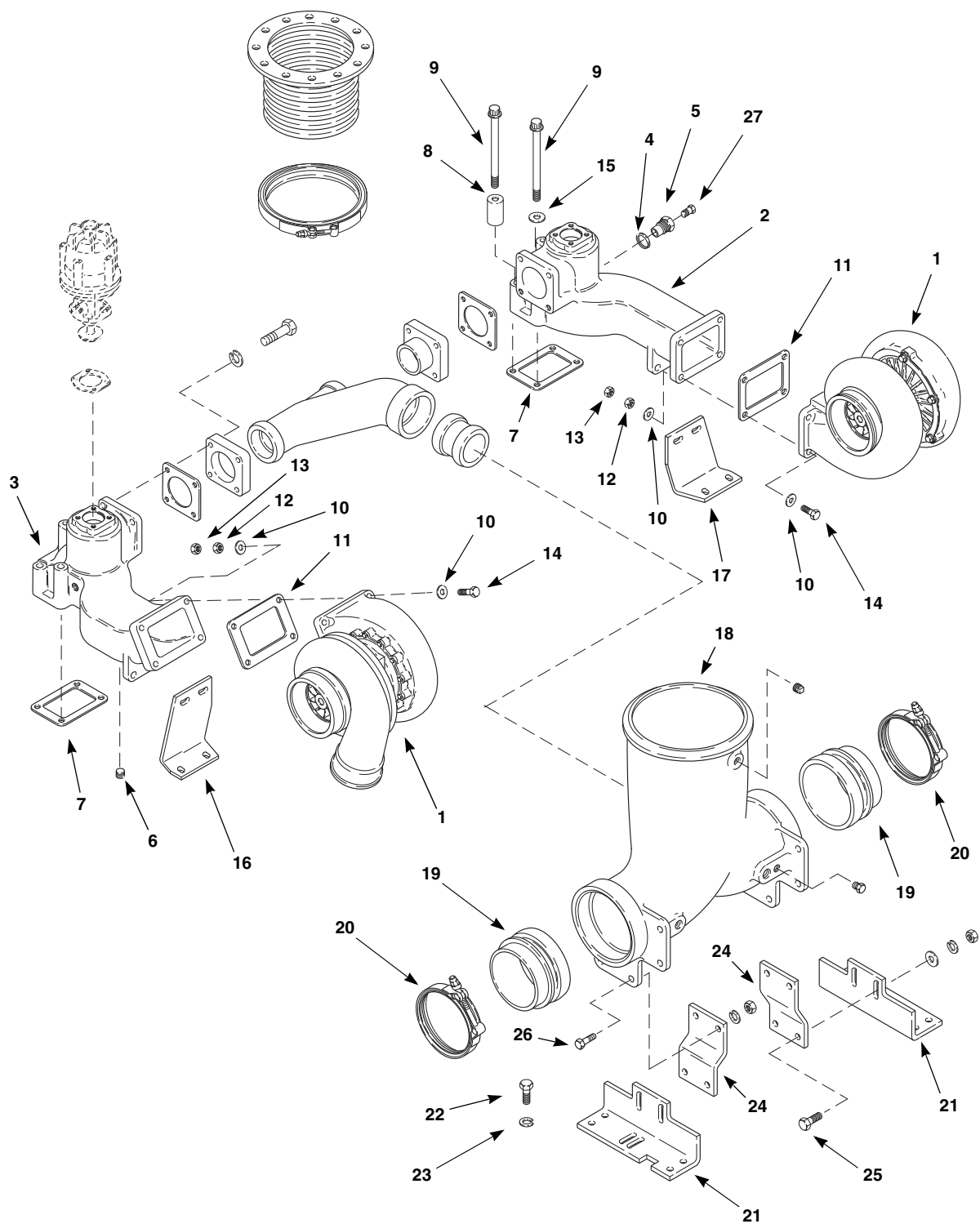
CAMSHAFT, VALVE LIFTER, IDLER GEAR GROUPS 20, 23, 15

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 20
1	200027	2	2	2	2	BEARING, Camshaft, Front (Upper and Lower)
2	200050	12	12	12	12	BEARING, Camshaft, Center, Intermediate and Rear (Upper and Lower)
3	153032	2	2	2	2	RING, Thrust
4	26730	2	2	2	2	PIN, Roll, 3/16" x 1/2"
5	153003D	24	24	24	24	GUIDE, Valve Lifter
6	AA46033B	24	24	24	24	LIFTER, Valve
7	153022D	24	24	24	24	GASKET, Valve Lifter Guide
8	21350	48	48	48	48	CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"
	21357	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 1-1/2" (With 153982 Clip)
9	21052	48	48	48	48	WASHER, Lock, 3/8"
10	119977	4	4	4	4	SPACER (With 153982 Clip)
						GROUP 23
11	AA204823E	1	1	1	1	CAMSHAFT Assembly (Sections Not Serviced Separately)
12	200526D	1	1	1	1	GEAR, Camshaft
13	153029	9	9	9	9	SHIM, (0.002") (As Required)
14	153047A	1	1	1	1	WASHER, Thrust
15	21012	1	1	1	1	KEY, Woodruff, No. 15
16	153048	1	1	1	1	NUT, Camshaft Gear
						GROUP 15
17	200115M	1	1	1	1	GEAR, Idler
18	200016D	1	1	1	1	SPINDLE, Idler Gear
19	78391	1	1	1	1	BEARING, Ball, Front
20	78390	1	1	1	1	BEARING, Ball, Rear
21	B2108B	1	1	1	1	WASHER, Idler Spindle
22	207329	1	1	1	1	NUT, Thin Hex, LH Thread, 1-1/2"-12
23	153655	1	1	1	1	WASHER, Idler Gear
24	B881A	1	1	1	1	LOCK, Capscrew
25	26996	2	2	2	2	CAPSCREW, Hex Head, 1/2"-20 x 1-1/4"
26	153551A	1	1	1	1	SPACER, Ball Bearing
27	161842	1	1	1	1	RETAINER, Ball Bearing
28	26990	6	6	6	6	CAPSCREW, Hex Head, Nylok, 3/8"-16 x 1"
						SERVICE REPAIR KITS
	G-927-7	1	1	1	1	Camshaft Bushing Kit (Includes Items 9, 10)

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TURBOCHARGERS AND EXHAUST OUTLET GROUPS 27, 29, 47

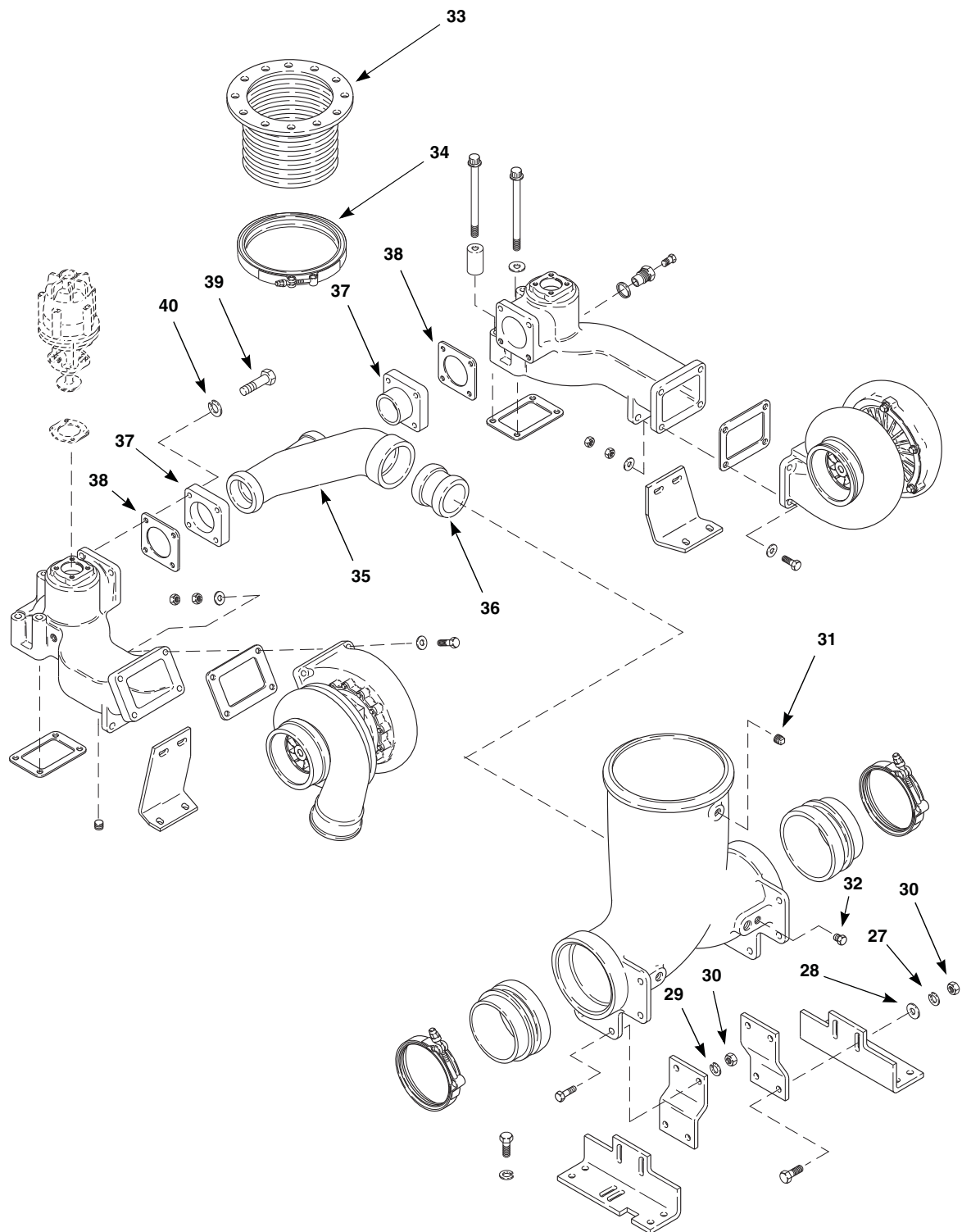
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
1	214007C	2				GROUP 27
	211896A		2			TURBOCHARGER
	214007B			2		TURBOCHARGER
	211896				2	TURBOCHARGER
GROUP 29						
2	207822G	1	1	1	1	ELBOW, Turbocharger Inlet, RB
3	207823G	1	1	1	1	ELBOW, Turbocharger Inlet, LB
4	209681	2	2	2	2	GASKET, Spark Plug
5	119562B	2	2	2	2	ADAPTER
6	26128	2	2	2	2	PLUG, Pipe, Hex Head 1/2" NPT, Brass
7	207827	2	2	2	2	GASKET, Elbow
8	209155C	4	4	4	4	SPACER
9	28795	8	8	8	8	CAPSCREW, Ferry Head-Stainless Steel, 3/8"-16 x 5"
10	28357	16	16	16	16	WASHER, Lock, Stainless Steel, 3/8"
11	207806	2	2	2	2	GASKET, Turbocharger Inlet
12	28411	8	8	8	8	NUT, Hex, Stainless Steel, 3/8"-16
13	28406	8	8	8	8	NUT, Thin Hex, Stainless Steel, 3/8"-16
14	28405	8	8	8	8	CAPSCREW, Hex Head, 3/8"-16 x 2"
15	28346	12	12	12	12	WASHER, Turbo Inlet Elbow
16	207831	1	1	1	1	BRACKET, Turbo Support, LB
17	207832	1	1	1	1	BRACKET, Turbo Support, RB
GROUP 47						
18	207824R	1	1		1	TEE, Turbo Exhaust Outlet
	207824N			1		TEE, Turbo Exhaust Outlet
19	207838	2	2	2	2	ADAPTER, Exhaust Elbow
20	168334B			2		COUPLING, V-Band
21	207830B	2	2	2	2	BRACKET, Support
22	21425	8	8	8	8	CAPSCREW, Hex Head, 1/2"-13 x 1"
23	21054	8	8	8	8	WASHER, Lock, 1/2"
24	207833A	2	2	2	2	BRACKET, Support
25	21352	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 1-1/4"
26	21354	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 1-3/8"
27	26750	2	2	2	2	PLUG, Hex Head, 1/4" NPT

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TURBOCHARGERS AND EXHAUST OUTLET GROUPS 47, 48, 93

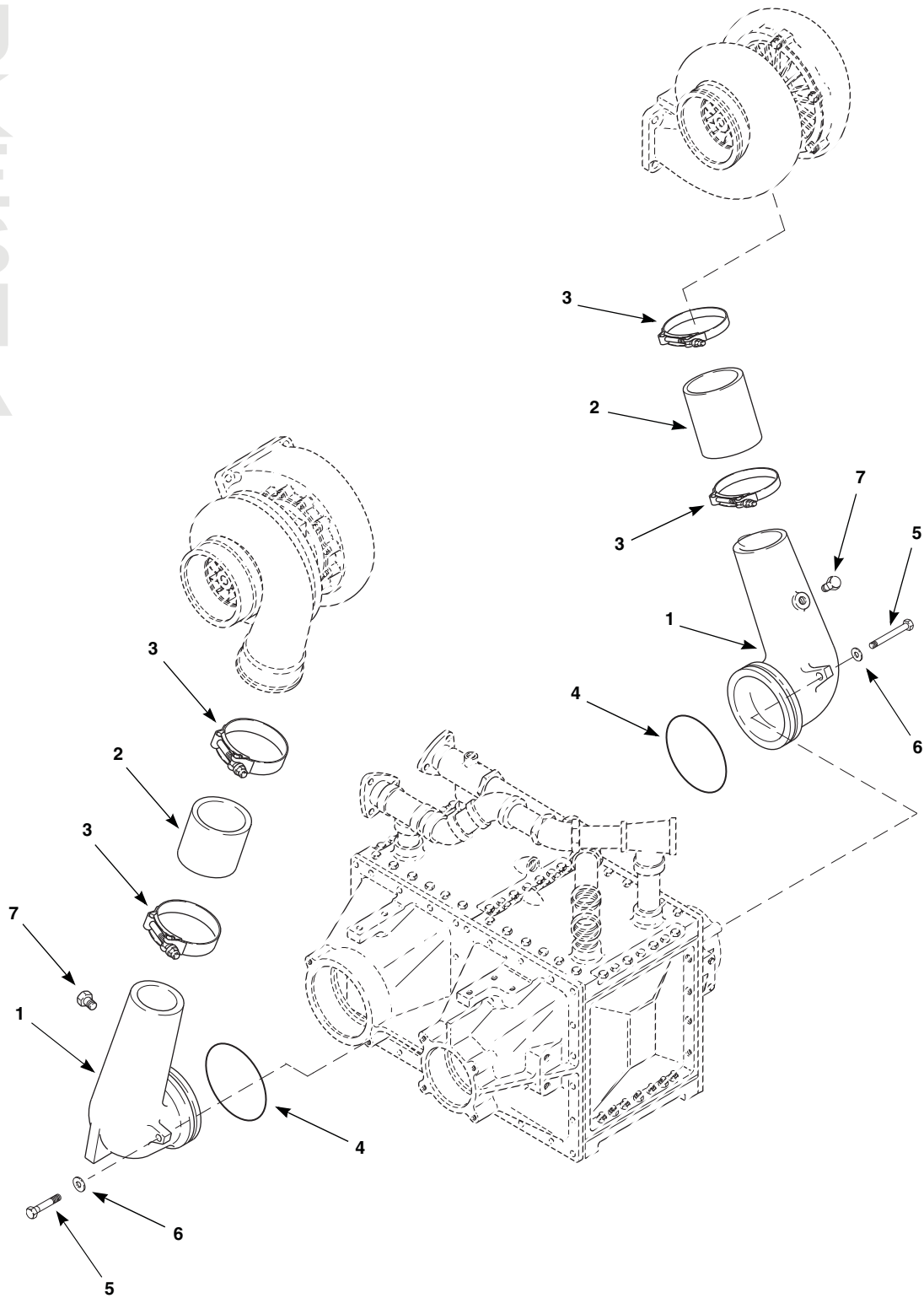
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 47 (continued)
28	Y18813H	4	4	4	4	WASHER, Plain, 3/8"
29	21052	4	4	4	4	WASHER, Lock, 3/8"
30	21189	4	4	4	4	NUT, Hex, 3/8"-16
31	168700	1	1	1	1	PLUG, Pipe, 1/4" NPT, Brass
32	26128	2	2	2	2	PLUG, Pipe, 1/2" Brass
						GROUP 48
33	199515G	1	1	1	1	CONNECTION, Exhaust, Flexible
34	168334E	1	1	1	1	COUPLING, V-Band
						GROUP 93
35	207825	1	1	1	1	TEE, Exhaust Bypass
36	207829	1	1	1	1	SLEEVE, Exhaust Bypass
37	207828	2	2	2	2	FLANGE, Exhaust Bypass
38	209424	2	2	2	2	GASKET, Bypass Flange
39	28799	8	8	8	8	CAPSCREW, Ferryhead-Stainless Steel, 3/8"-16 x 1-1/4"
40	28357	8	8	8	8	WASHER, Lock, Stainless Steel, 3/8"

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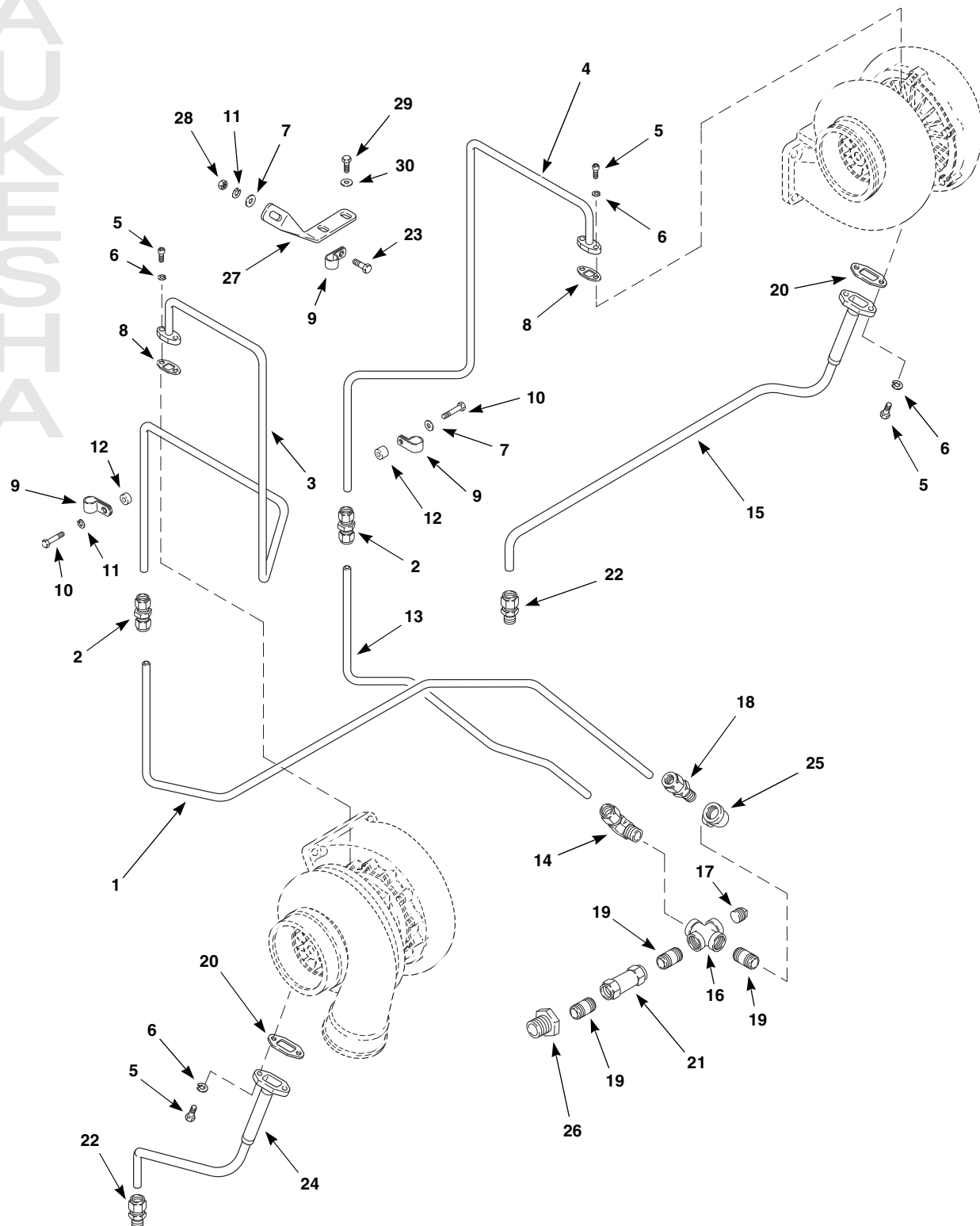
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TURBOCHARGER AIR CONNECTIONS

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 29
1	207826N		2		2	ELBOW, Compressor Discharge
	207826L	2		2		ELBOW, Compressor Discharge
2	161703A	2	2	2	2	HOSE, 3.51" x 3.66"
3	153402R	4	4	4	4	CLAMP, Hose, 3.55" – 3-7/8"
4	155248F	2	2	2	2	O-RING, Silicon, 5.3/4" x 6-1/4" x 1/4"
5	21373	4	4	4	4	CAPSCREW, 3/8"-16 x 4"
6	76911	4	4	4	4	WASHER, 13/32" x 7/8" x 1/8"
7	28641	2	2	2	2	PLUG, Pipe, Socket Head, 3/4" NPT

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.





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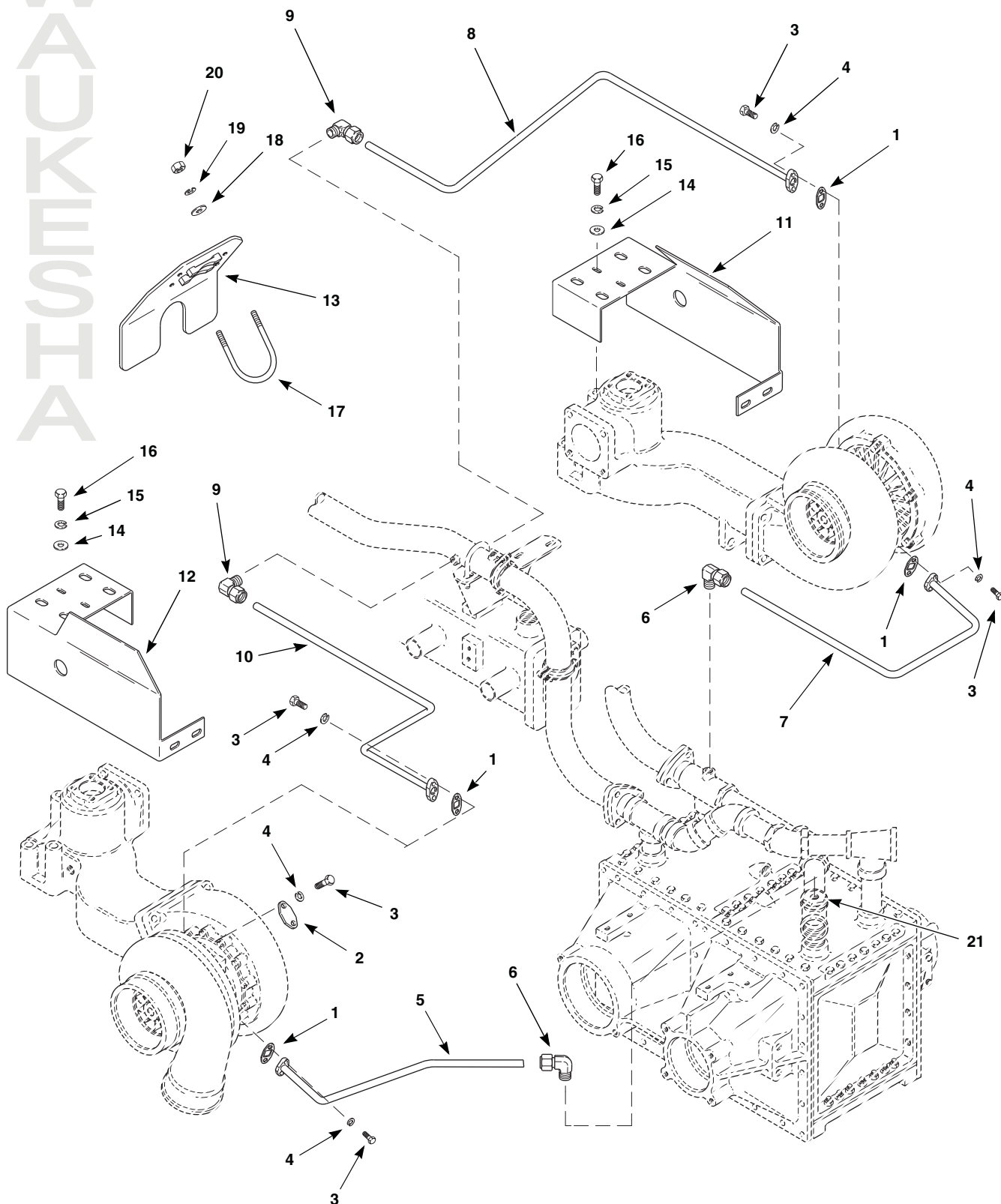
TURBOCHARGER OIL CONNECTIONS

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 29
1	209478E	1	1	1	1	TUBE, Turbo, Oil, L.B.
2	199108A	2	2	2	2	UNION, Tube, 0.50" x 0.50"
3	A211714Y	1	1	1	1	TUBE, Turbo Oil Supply, LB-Assembly
4	A211714X	1	1	1	1	TUBE, Turbo Oil Supply, RB-Assembly
5	21982	8	8	8	8	CAPSCREW, Socket Head, 3/8"-16 x 1-1/4"
6	39150	8	8	8	8	WASHER, Socket Head Lock, 3/8"
7	Y18813H	6	6	6	6	WASHER, Flat, 3/8"
8	211946	2	2	2	2	GASKET, Turbo Oil Inlet
9	207313K	7	7	7	7	CLIP, 1/2" x 3/8"
10	21365	4	4	4	4	CAPSCREW, Stainless Steel, 3/8"-16 x 2-1/2"
11	21052	2	2	2	2	WASHER, Lock, 3/8"
12	63809D	4	4	4	4	SPACER, 7/16" x 3/4" x 1"
13	209478D	1	1	1	1	TUBE, Turbo, Oil, RB
14	199111D	1	1	1	1	ELBOW, Male, 8 x 6
15	214000	1	1	1	1	TUBE, Turbo Oil Drain, RB-Assembly
16	63722C	1	1	1	1	CROSS, Pipe, 3/8"
17	169158	1	1	1	1	PLUG, Magnetic Drain, 3/8"
18	194769G	1	1	1	1	CONNECTOR, Male, 1/2" x 3/8"
19	118566X	3	3	3	3	PIPE, 3/8" x 1"
20	211948	2	2	2	2	GASKET, Turbo Oil Drain
21	177053	1	1	1	1	VALVE, Check, 3/8"
22	194769K	2	2	2	2	CONNECTOR, Male, 0.88" x 3/8"
23	21348	2	2	2	2	CAPSCREW, 3/8"-16 x 1"
24	214000A	1	1	1	1	TUBE, Turbo Oil Drain, L.B.-Assembly
25	78204B	1	1	1	1	ELBOW, Pipe, 3/8"
26	78212D	1	1	1	1	BUSHING, Reducing, 1/2" x 3/8"
27	211755R	2	2	2	2	BRACKET, Turbo Oil Tube Support
28	21189	2	2	2	2	NUT, Hex, 3/8"-16
29	21431	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
30	Y18813K	6	6	6	6	WASHER, Flat, 1/2"

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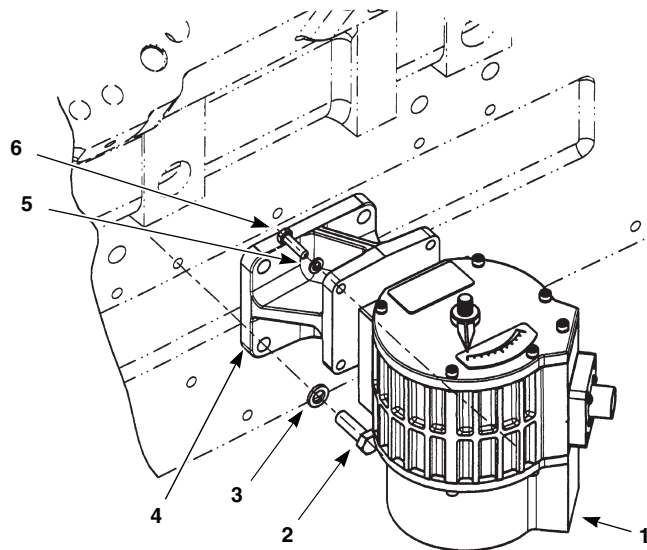
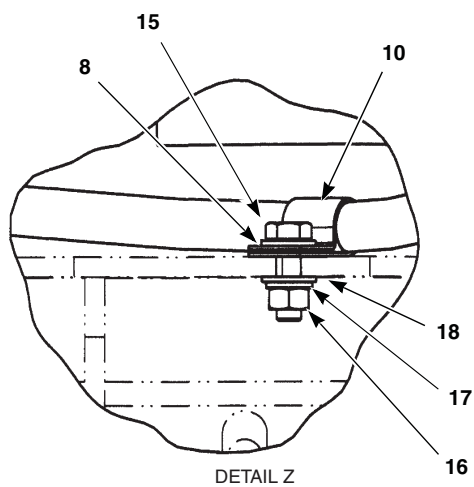
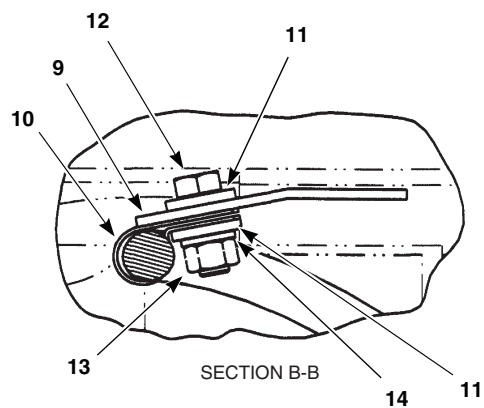
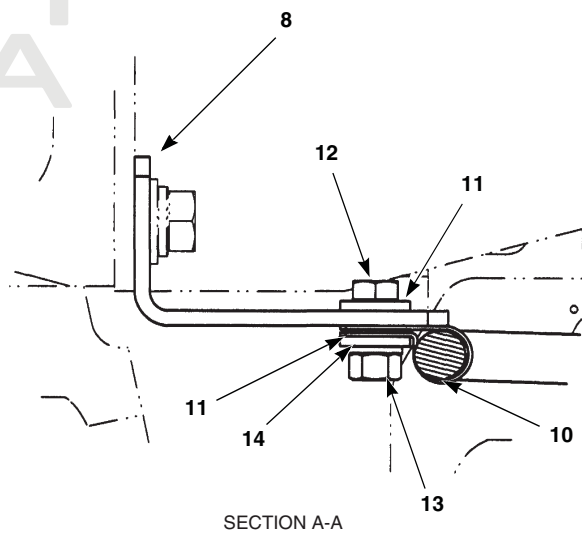
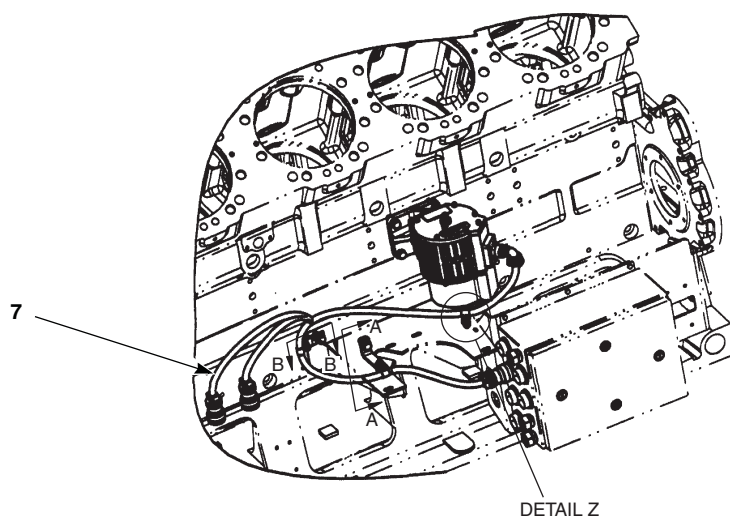
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TURBOCHARGER WATER CONNECTIONS, HEAT SHIELDS

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 29
1	211944	8	8	8	8	GASKET, Turbo Water, Inlet/Outlet
2	211943B	4	4	4	4	FLANGE, Cover, Turbo Water, Inlet
3	21982	16	16	16	16	CAPSCREW, Socket Head, 3/8"-16 x 1-1/4"
4	39150	16	16	16	16	WASHER, Socket Head Lock, 3/8"
5	A211714V	1	1	1	1	TUBE, Turbo Water, Inlet, LB-Assembly
6	199111D	2	2	2	2	ELBOW, Male, 1/2" x 3/8" NPT
7	A214129D	1	1	1	1	TUBE, Turbo Water, Inlet, RB-Assembly
8	A214179	1	1	1	1	TUBE, Turbo Water, Outlet, RB-Assembly
9	199111E	2	2	2	2	ELBOW, Male, 5/8" O.D. x 1/2" NPT
10	A211551T	1	1	1	1	TUBE, Turbo Water, Outlet, LB-Assembly
11	211953C	1	1	1	1	SHIELD, Heat, Turbo Inlet Elbow, RB
12	211953B	1	1	1	1	SHIELD, Heat, Turbo Inlet Elbow, LB
13	211954	1	1	1	1	SHIELD, Heat, Exhaust Tee Bypass
14	28346	4	4	4	4	WASHER, Stainless Steel, 3/8"
15	28339	4	4	4	4	WASHER, Lock, Stainless Steel, 3/8"
16	28790	4	4	4	4	CAPSCREW, Stainless Steel, 3/8" x 7/8"
17	154813T	2	2	2	2	U-BOLT, 5/16"-18 x 5" x 5.63"
18	B277	4	4	4	4	WASHER, Flat, 5/16"
19	21051	4	4	4	4	WASHER, Lock, 5/16"
20	21181	4	4	4	4	NUT, Hex, 5/16"
21	164688	1	1	1	1	BUSHING, Pipe, 3/8" x 1-1/4"

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GOVERNOR – HEINZMANN 2080
GROUP 31

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 31
1	214046	1	1	1	1	GOVERNOR, Heinzmann 2080
2	21431	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
3	21054	4	4	4	4	WASHER, Lock, 1/2"
4	214072A	1	1	1	1	BRACKET, Governor Support
5	21051	4	4	4	4	WASHER, Lock, 5/16"
6	WS808297	4	4	4	4	CAPSCREW, Hex Head, M8 x 30mm
7	A740262A		1		1	HARNESS, ESM Actuator
	A740262B	1		1		HARNESS, ESM 2 Stepper Motors
8	168847R	1	1	1	1	BRACKET, Breather Tube
9	209561T	1	1	1	1	BRACE, Tube Clip
10	169013U	3	3	3	3	CLIP
11	76911	4	4	4	4	WASHER, Flat, 3/8"
12	21348	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 1"
13	21189	2	2	2	2	NUT, Hex, 3/8"-16
14	21052	2	2	2	2	WASHER, Lock, 3/8"
15	21313	1	1	1	1	CAPSCREW, Hex Head, 5/16"-18 x 1"
16	21181	1	1	1	1	NUT, Hex, 5/16"-18
17	21051	1	1	1	1	WASHER, Lock, 5/16"
18	B277	2	2	2	2	WASHER, Flat, 5/16"

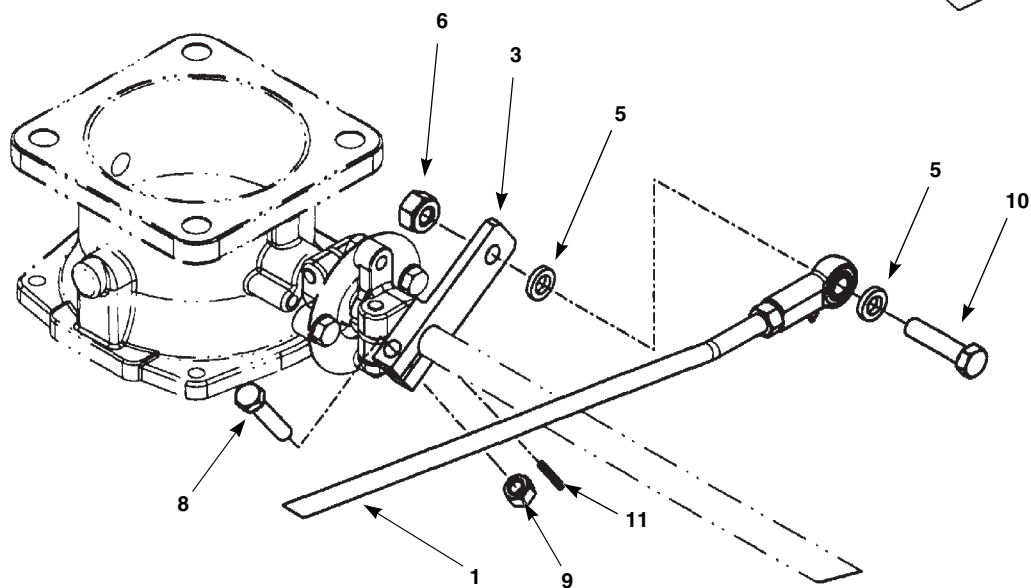
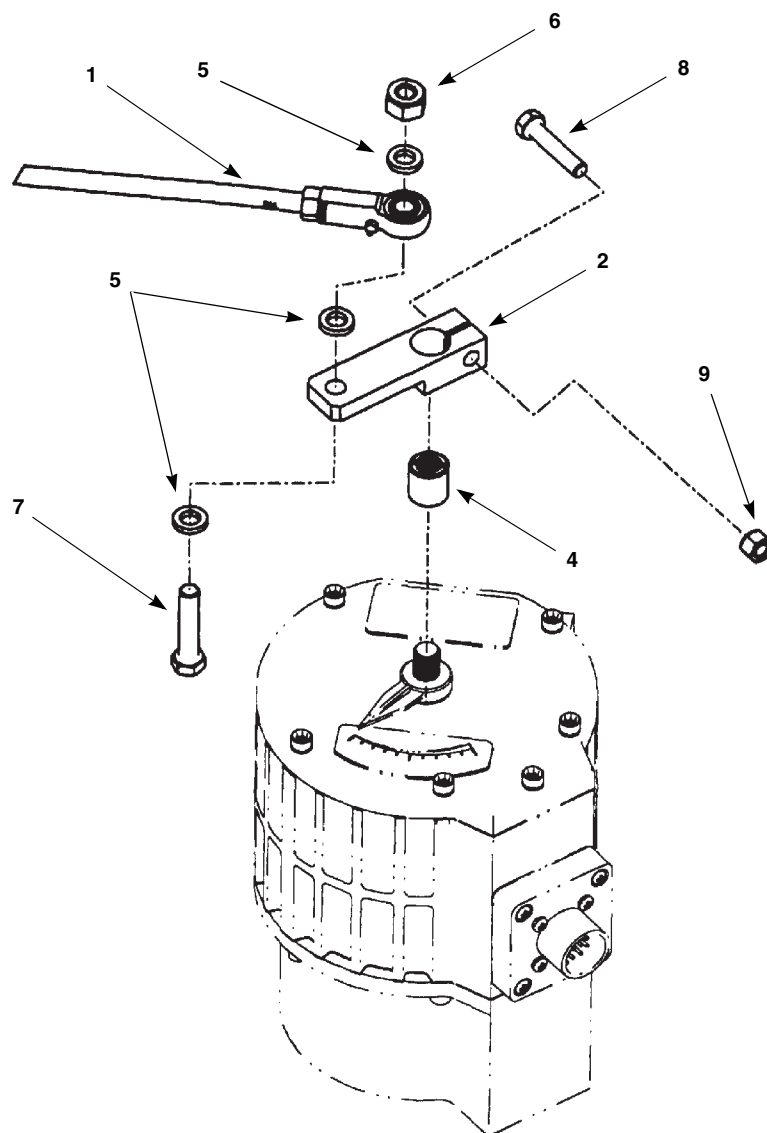
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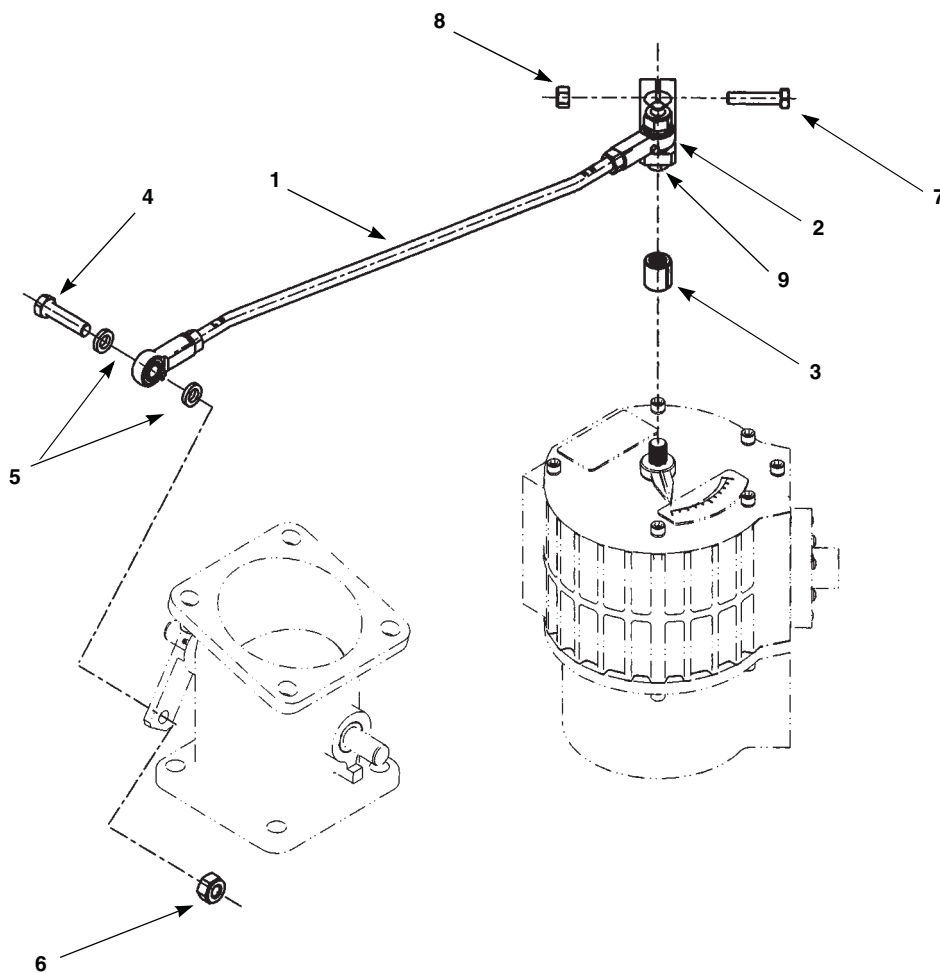
GOVERNOR LINKAGE – L5794LT
GROUPS 33

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 33
1	A214057B			1		ROD ASSEMBLY, Governor
2	211220X			1		LEVER, Governor
3	211220Y			1		LEVER, Throttle
4	211221			1		BUSHING, Splined
5	209155B			5		WASHER, Flat
6	B9059			2		NUT, Elastic Lock, 3/8"-16
7	21360			1		CAPSCREW, Hex Head, 3/8"-16 x 1-3/4"
8	21317			2		CAPSCREW, Hex Head, 5/16"-18 x 1-1/2"
9	158417			2		NUT, Elastic Lock, 5/16"-18
10	21357			1		CAPSCREW, Hex Head, 3/8"-16 x 1-1/2"
11	26745			1		PIN, Roll, 1/8" x 1"

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GOVERNOR LINKAGE

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 33
1	A214057	1	1		1	ROD ASSEMBLY, Governor
2	211220X	1	1		1	LEVER, Governor
3	211221	1	1		1	BUSHING, Splined
4	21357	1	1		1	CAPSCREW, Hex Head, 3/8"-16 x 1-1/2"
5	209155B	4	4		4	WASHER, Flat
6	B9059	2	2		2	NUT, Elastic Lock, 3/8"-16
7	21317	1	1		1	CAPSCREW, Hex Head, 5/16"-18 X 1-1/2"
8	158417	1	1		1	NUT, Elastic Lock, 5/16"-18
9	21360	1	1		1	CAPSCREW, Hex Head, 3/8"-16 x 1-3/4"

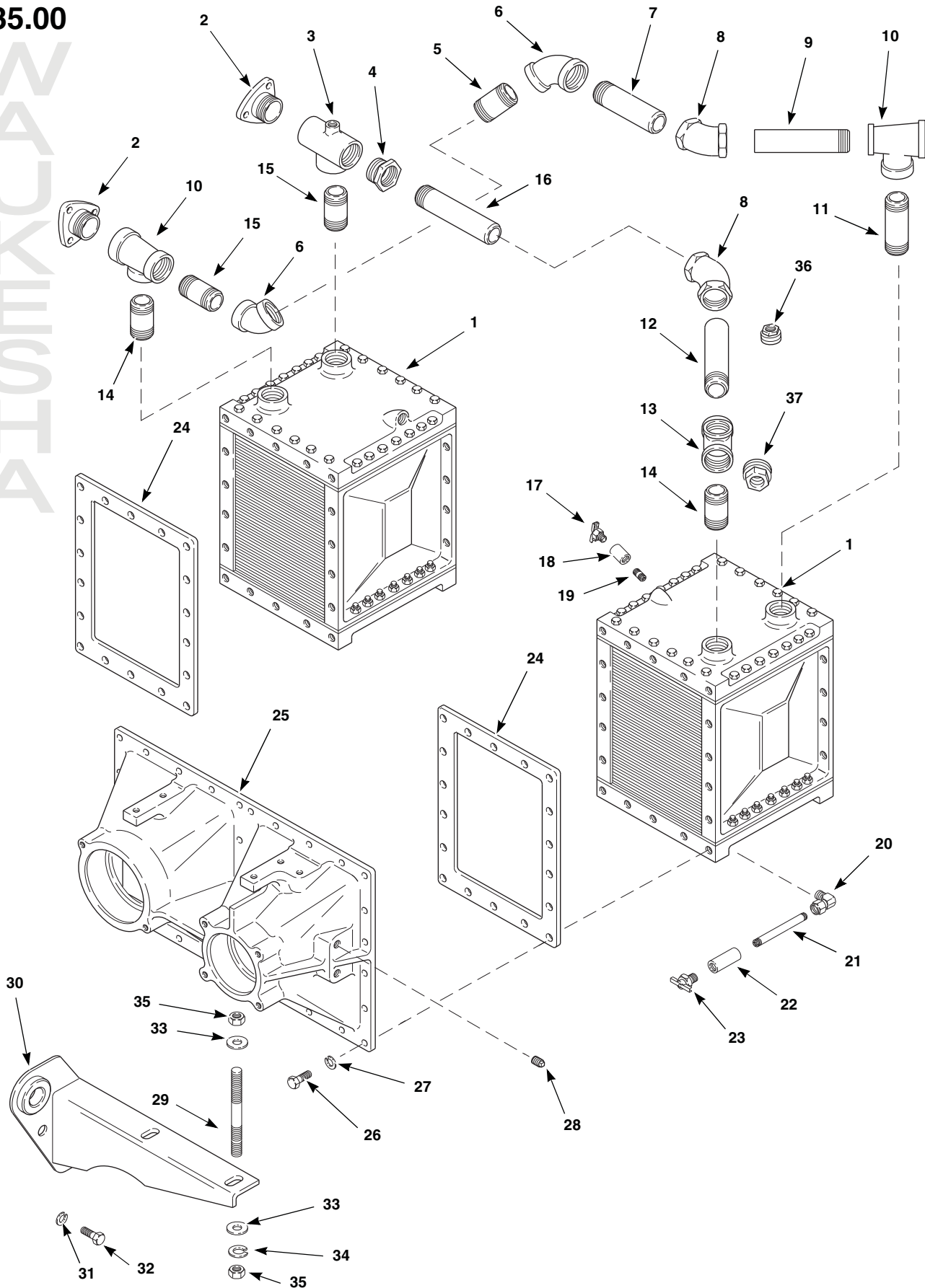
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035.00 INTERCOOLER

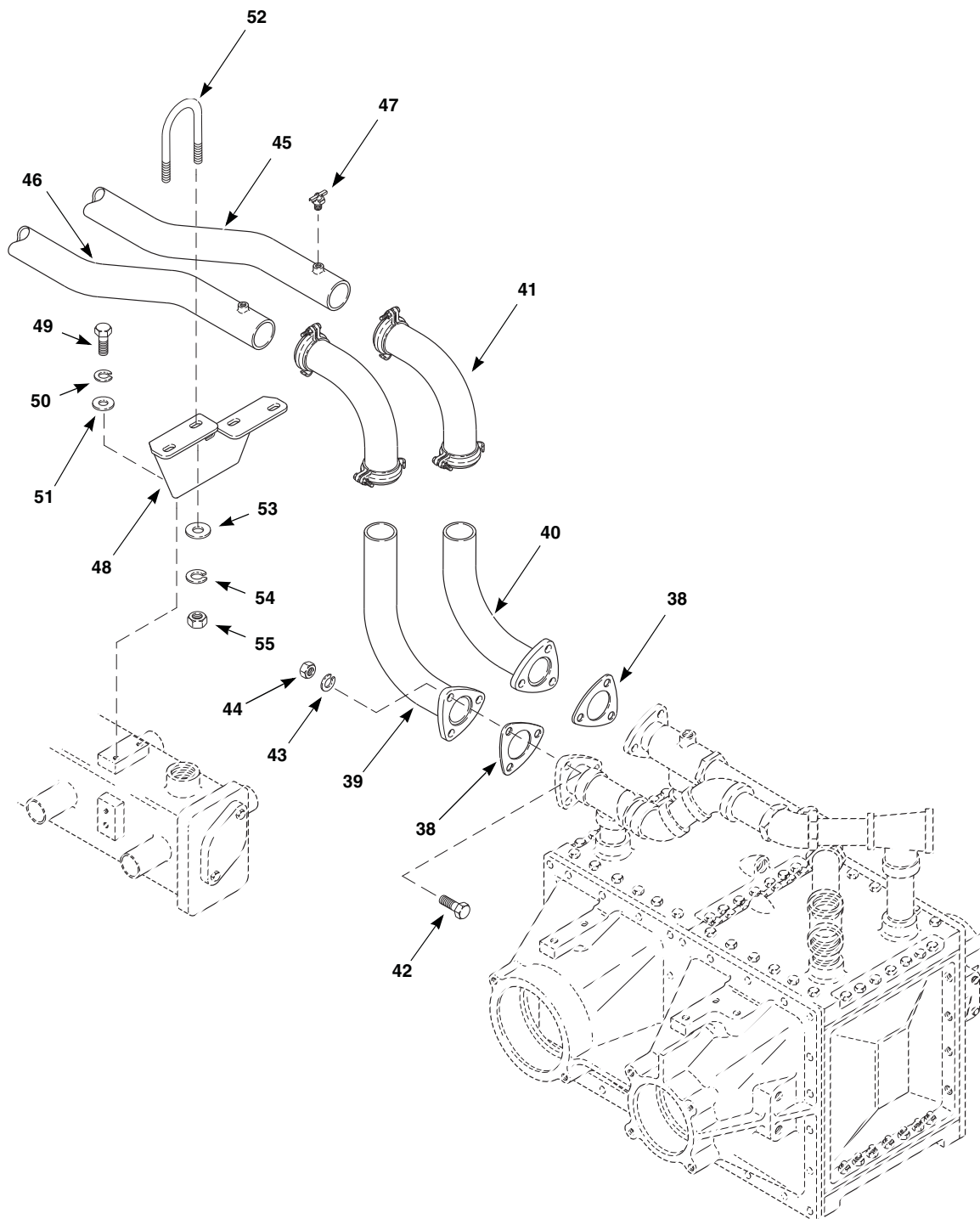
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 35
	H168282M	1	1		1	INTERCOOLER-Assembly
	F168282N			1		INTERCOOLER-Assembly
1	• 168282M	2	2		2	• INTERCOOLER
	168282N			2		• INTERCOOLER
2	• C100834L	2	2	2	2	• PIPE, Intercooler Inlet/Outlet-Assembly
3	• 211950	1	1	1	1	• PIPE, Cross, Reducing
4	• 78212X	1	1	1	1	• BUSHING, Reducing, 2" x 1-1/4"
5	• 168934B	1	1	1	1	• PIPE, 1-1/4" x 2-1/2"
6	• 78207S	2	2	2	2	• ELBOW, 1-1/4" x 45°
7	• 100919B	1	1	1	1	• PIPE, 1-1/4" x 5-1/2"
8	• 162192C	2	2	2	2	• PIPE, Flex Coupling 45° Elbow x 1-1/4"
9	• 199030H	1	1	1	1	• PIPE, 1-1/4" x 7-1/2"
10	• 116015R	2	2	2	2	• TEE, Reducing
11	• 168934B	1	1	1	1	• PIPE, 1-1/4" x 3-3/4"
12	• 164004D	1	1	1	1	• PIPE, 1-1/4" x 9-3/4"
13	• 63722N	1	1	1	1	• CROSS, 1-1/4" NPT
14	• 63602A	2	2	2	2	• PIPE, 1-1/4" x 2"
15	• 63602	2	2	2	2	• PIPE, 1-1/4" x 1-5/8"
16	• 44081G	1	1		1	• PIPE, 1-1/4" x 9-1/2"
	• 810043B			1		• PIPE, 1-1/4" x 9-1/4"
17	• 76400	4	4	4	4	• COCK, Drain
18	• 154981F	2	2	2	2	• PIPE, 1/4" x 0.88"
19	• 78209C	2	2	2	2	• COUPLING, Pipe, 1/4"
20	• B10168	2	2	2	2	• ELBOW
21	• 65110E	2	2	2	2	• PIPE, 1/8" x 3"
22	• 78209W	2	2	2	2	• COUPLING, Pipe, 1/8"
23	• B9129	2	2	2	2	• COCK, Drain, 1/8"
24	• 168335	4	4	4	4	• GASKET, Intercooler
25	• 168284E	2	2	2	2	• PLENUM, Intercooler
26	• 21352	72	72	72	72	• CAPSCREW, 3/8"-16 x 1-1/4"
27	• 21052	72	72	72	72	• WASHER, Lock, 3/8"
28	• 26750	8	8	8	8	• PLUG, Pipe, Hex Head, 1/4"
29	• 168329C	4	4	4	4	• STUD, 3/4" x 5"
30	168317E	1	1	1	1	BRACKET, Intercooler, RB
	168316F	1	1	1	1	BRACKET, Intercooler, LB
31	290023	8	8	8	8	WASHER, Lock, 1/2", Grade 8
32	28283	8	8	8	8	CAPSCREW, 1/2"-13 x 1-1/2", Grade 8
33	Y18813P	8	8	8	8	WASHER, Flat, 3/4"
34	26474	4	4	4	4	WASHER, Lock, 3/4"
35	21233	4	4	4	4	NUT, Hex, 3/4"-16
36	164688	1	1	1	1	BUSHING, Reducing, 1-1/4"x 3/8"
37	164688	1	1	1	1	BUSHING, Reducing, 1-1/4"x 3/8"

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035.01 INTERCOOLER

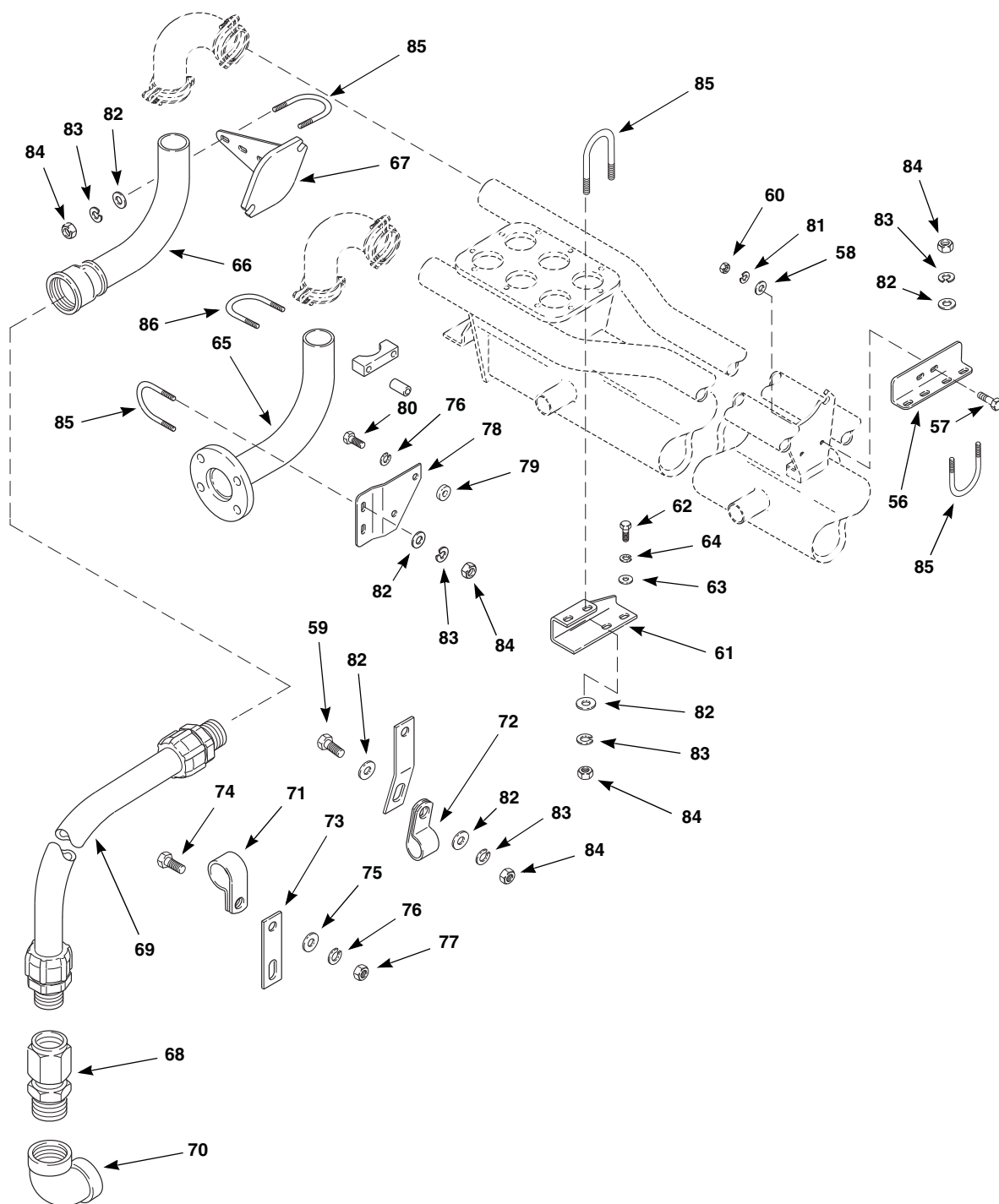
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 35 (continued)
38	169874B	2	2	2	2	GASKET, Intercooler Inlet/Outlet
39	A211761K	1	1	1	1	TUBE, Intercooler Water Outlet-Assembly
40	211700M	1	1	1	1	ELBOW, Intercooler Water Inlet
41	209085C	2	2	2	2	ELBOW, Flex Coupling, 2"
	• 494228	2	2	2	2	• SEAL, Coupling
42	21433	6	6	6	6	CAPSCREW, 1/2"-13 x 1-3/4"
43	21054	8	8	8	8	WASHER, Lock, 1/2"
44	21205	6	6	6	6	NUT, Hex, 1/2"-13
45	A214100L	1	1	1	1	TUBE, Pump to Intercooler, Rear-Assembly
46	A211761X	1	1	1	1	TUBE, Intercooler Water Outlet-Assembly
47	B9129	2	2	2	2	COCK, Drain, 1/8"
48	211755M	1	1	1	1	SUPPORT, Tube, Intercooler Water, Rear
49	21348	2	2	2	2	CAPSCREW, 3/8"-16 x 1"
50	Y18813H	2	2	2	2	WASHER, Flat, 3/8"
51	21052	2	2	2	2	WASHER, Lock, 3/8"
52	154813N	6	6	6	6	U-BOLT, 0.31"-16 x 2.25" x 3.12"
53	B277	12	12	12	12	WASHER, Flat, 5/16"
54	21051	12	12	12	12	WASHER, Lock, 5/16"
55	21181	12	12	12	12	NUT, 5/16"-18

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035.02 INTERCOOLER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 35 (continued)
56	211755L	1	1	1	1	BRACKET, Support Intercooler Water, Intermediate
57	21352	2	2	2	2	CAPSCREW, 3/8"-16 x 1-1/4"
58	Y18813H	4	4	4	4	WASHER, Flat, 3/8"
59	21350	1	1	1	1	CAPSCREW, 3/8"-16 x 1-1/8"
60	21189	3	3	3	3	NUT, 3/8"-16
61	208938G	1	1	1	1	BRACKET, Support, Intercooler Water Outlet Tube
62	21425	2	2	2	2	CAPSCREW, 1/2"-13 x 1"
63	Y18813K	3	3	3	3	WASHER, Flat, 1/2"
64	21054	5	5	5	5	WASHER, Lock, 1/2"
65	A214100M	1	1	1	1	TUBE, Intercooler Water Outlet, Front-Assembly
66	A211761X	1	1	1	1	TUBE, Pump To Intercooler, Front-Assembly
67	211755L	1	1	1	1	BRACKET, Support, Intercooler Water Inlet
68	168006A	1	1	1	1	UNION, Straight, Adapter, 2"
69	C208743	1	1	1	1	HOSE, Flexible-Assembly
70	78204H	1	1	1	1	ELBOW, Pipe, 2"
71	177488F	1	1	1	1	CLIP, 2"
72	177488F	1	1	1	1	CLIP, 2"
73	214120	1	1	1	1	SUPPORT, Clip
74	28365	1	1	1	1	CAPSCREW, 1/2"-13 x 1-3/4"
75	Y18813K	1	1	1	1	WASHER, Flat, 1/2"
76	21054	3	3	3	3	WASHER, Lock, 1/2"
77	21205	1	1	1	1	NUT, 1/2"-13
78	211084	1	1	1	1	BRACKET, Pipe, Support
79	120132A	2	2	2	2	SPACER, 0.561" x 1.0" x 0.25"
80	26947	2	2	2	2	CAPSCREW, 1/2"-13 x 2"
81	21052	6	6	6	6	WASHER, Lock, 3/8"
82	B277	6	6	6	6	WASHER, Flat, 0.3125"
83	21051	6	6	6	6	WASHER, Lock, 5/16"
84	21181	6	6	6	6	NUT, 5/16"-18
85	154813N	6	6	6	6	U-BOLT, 0.31"-16 x 2.25" x 3.12"

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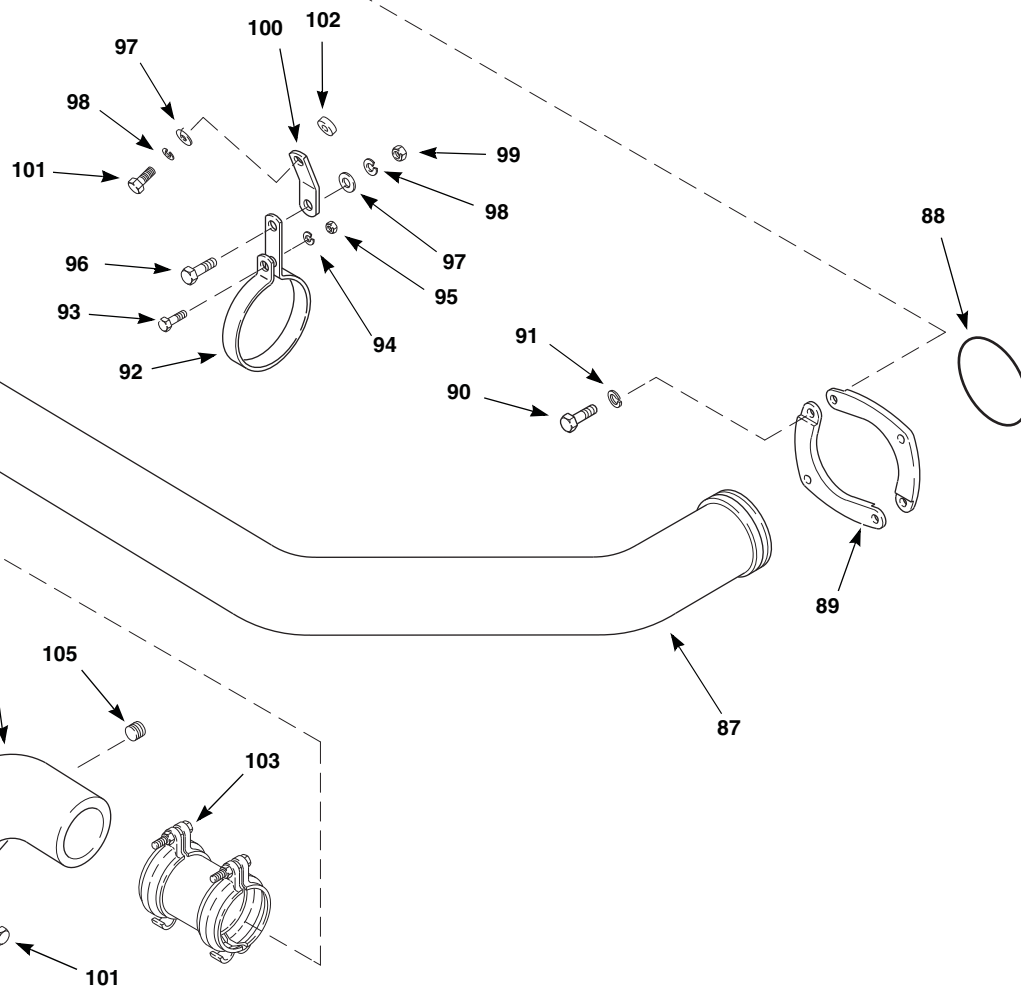
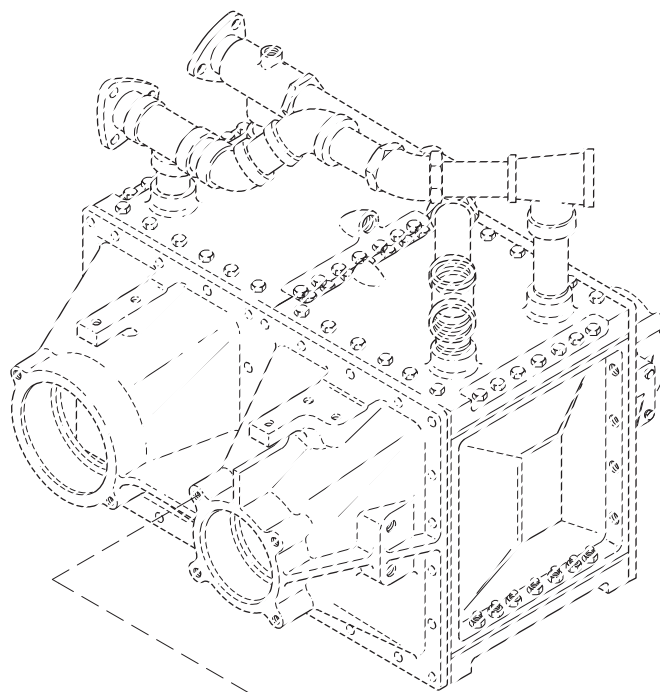
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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035.03 INTERCOOLER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 35 (continued)
87	C168528F	1	1	1	1	TUBE, Inlet, RH-Assembly
	C168527F	1	1	1	1	TUBE, Inlet, LH-Assembly
88	155248G	2	2	2	2	O-RING, 4.50" x 5.00" x 0.25", Silicon
89	211637	4	4	4	4	PLATE, Restraining
90	21354	8	8	8	8	CAPSCREW, 3/8"-16 x 1-3/8"
91	21052	8	8	8	8	WASHER, Lock, 3/8"
92	153785A	2	2	2	2	CLAMP, 4-1/2"
93	21275			2		CAPSCREW, 1/4"-20 x 3/4"
	21280	2	2		2	CAPSCREW, 1/4"-20 x 1"
94	21050	2	2	2	2	WASHER, Lock, 1/4"
95	21173	2	2	2	2	NUT, 1/4"-20
96	21425			2		CAPSCREW, 1/2"-13 x 1"
	21428	2	2		2	CAPSCREW, 1/2"-13 x 1-1/4"
97	Y18813K	6	6	4	6	WASHER, Flat, 1/2"
98	21054	14	14	12	14	WASHER, Lock, 1/2"
99	21205	10	10	10	10	NUT, 1/2"-13
100	211412B	2	2	2	2	SUPPORT, Tube Clamp
101	21433	10	10	10	10	CAPSCREW, 1/2"-13 x 1-3/4"
102	120132A	2	2	2	2	SPACER, 0.561" x 1" x 1/2"
103	169847D	2	2	2	2	COUPLING, Tube, 4-1/2"
104	168504D	1	1		1	ELBOW, Air/Gas Inlet, RB
	168504E	1	1		1	ELBOW, Air/Gas Inlet, LB
	168504F			2		ELBOW, Air/Gas Inlet, LB
105	28543	2	2	2	2	PLUG, Pipe, Hex Head

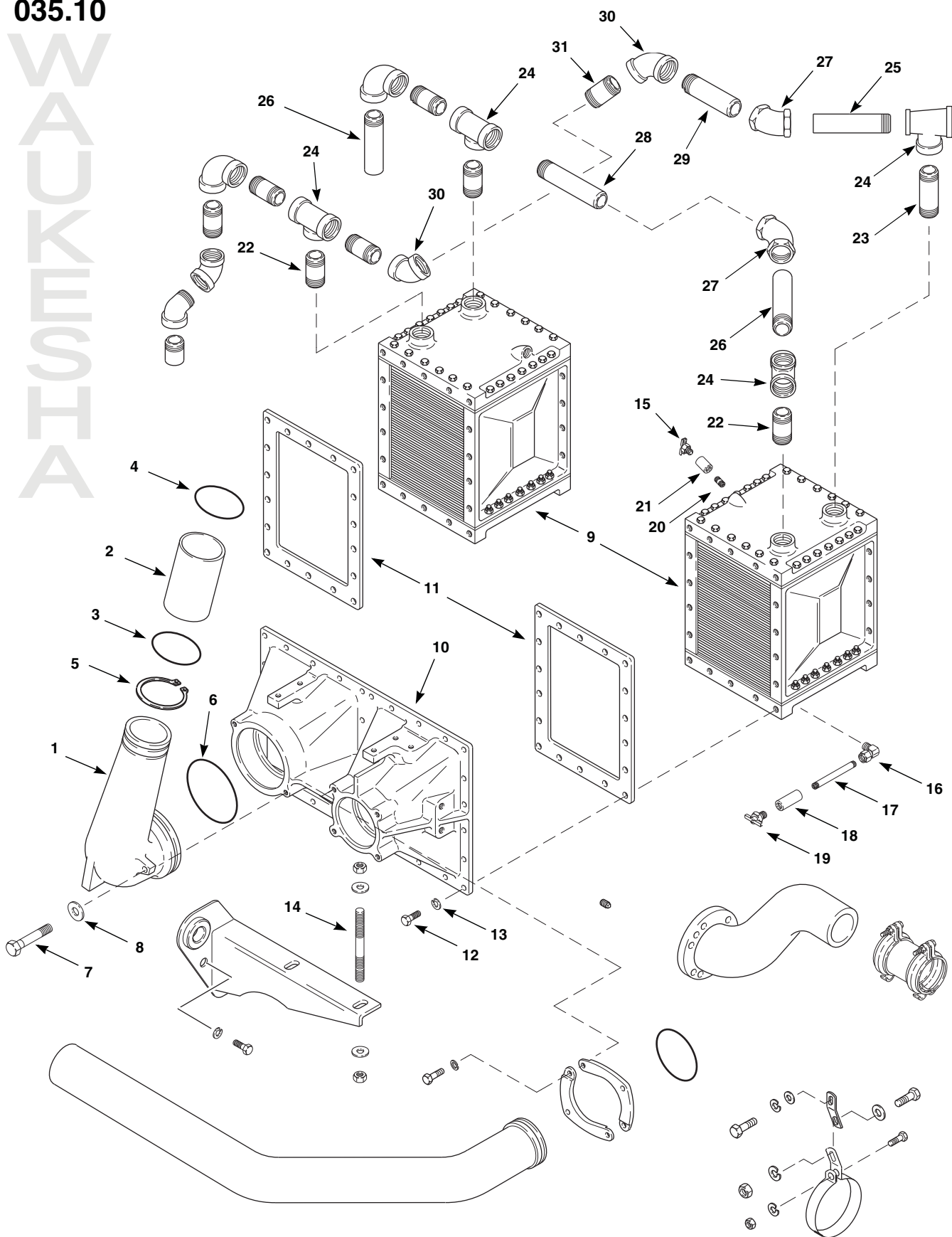
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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INTERCOOLER – DRAW THRU – L5794LT GROUPS 29, 35

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 29
1	207826L			2		ELBOW, Air Outlet
2	211456A			2		SLEEVE, Coupling
3	290625 B			2		O-RING
4	290625A			2		O-RING
5	164076G			2		RING, Retainer
6	290625			2		O-RING
7	21374			4		CAPSCREW, Hex Head, 3/8"-16 x 1-1/2"
8	76911			4		WASHER, Lock 3/8"
						GROUP 35
	F168282N			1		INTERCOOLER-Assembly
9	• 168282N			2		• INTERCOOLER
	•• 207266B			2		•• PLATE, Water Inlet and Outlet (Not Illustrated)
	•• 207267A			2		•• GASKET, Plate (Not Illustrated)
	•• 207268C			2		•• PLATE, Lower (Not Illustrated)
	•• 207269A			2		•• GASKET, Lower (Not Illustrated)
10	• 168284E			2		• CONNECTION, Air Intercooler
11	• 168335			4		• GASKET, Air Connection
12	• 21352			72		• CAPSCREW. Hex Head, 3/8"-16 x 1-1/4"
13	• 21052			72		• WASHER, Lock, 3/8"
14	• 168329C			4		• STUD
15	• 76400			4		• COCK, Vent and Drain
16	• B10168			2		• ELBOW, Street
17	• 65110E			2		• NIPPLE, Pipe, 1/4" x 7/8"
18	• 78209W			2		• COUPLING, Pipe, 1/8"
19	• B9129			2		• COCK, Drain, Brass
20	• 154981F			2		• NIPPLE, Pipe, 1/4" x 7/8"
21	• 78209C			2		• COUPLING, Pipe, 1/4"
22	• 63602			2		• NIPPLE, Pipe, 1-1/4" x 1-5/8"
23	• 168934X			1		• NIPPLE, Pipe, 1-1/4" x 3-3/4"
24	• 116015R			4		• TEE, Reducing - Galvanized, 2" x 1-1/4" x 1-1/4"
25	• 199030H			1		• NIPPLE, Pipe, Threaded One End, 1-1/4" x 7-1/2"
26	• 164004D			2		• NIPPLE, Pipe, Threaded One End, 1-1/4" x 9-3/4"
27	• 162192C			2		• ELBOW, 45°
	•• 499702			4		•• GASKET, Elbow
28	• 100919B			1		• NIPPLE, Pipe, Threaded One End, 1-1/4" x 5-1/2"
29	• 63602A			2		• NIPPLE, Pipe, Threaded One End, 1-1/4" x 10"
30	• 78207S			2		• ELBOW, Pipe, Galvanized, 1-1/4" x 45°
31	• 168934B			1		• NIPPLE, Pipe, 1-1/4" x 2-1/4"

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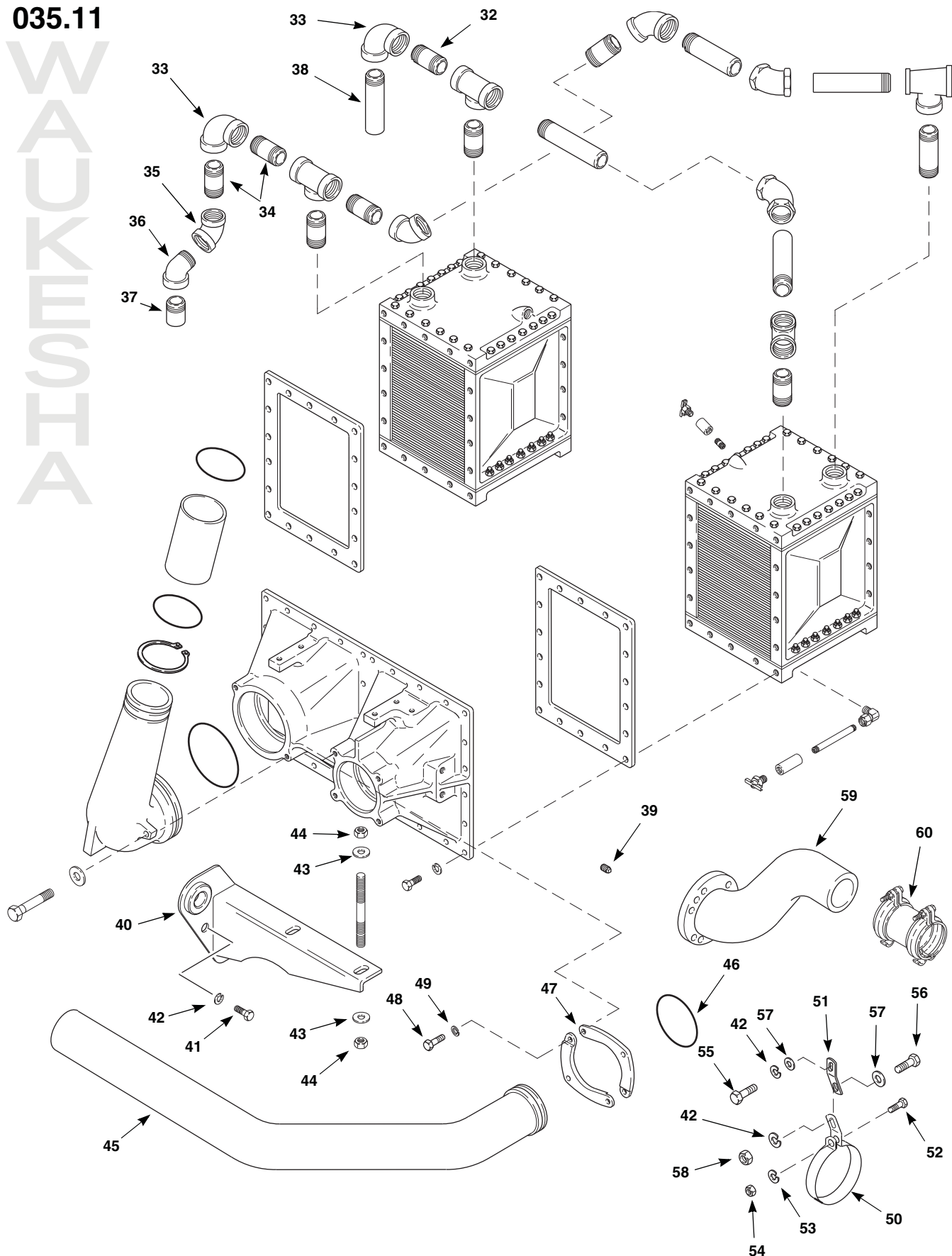
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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INTERCOOLER – DRAW THRU GROUPS 35

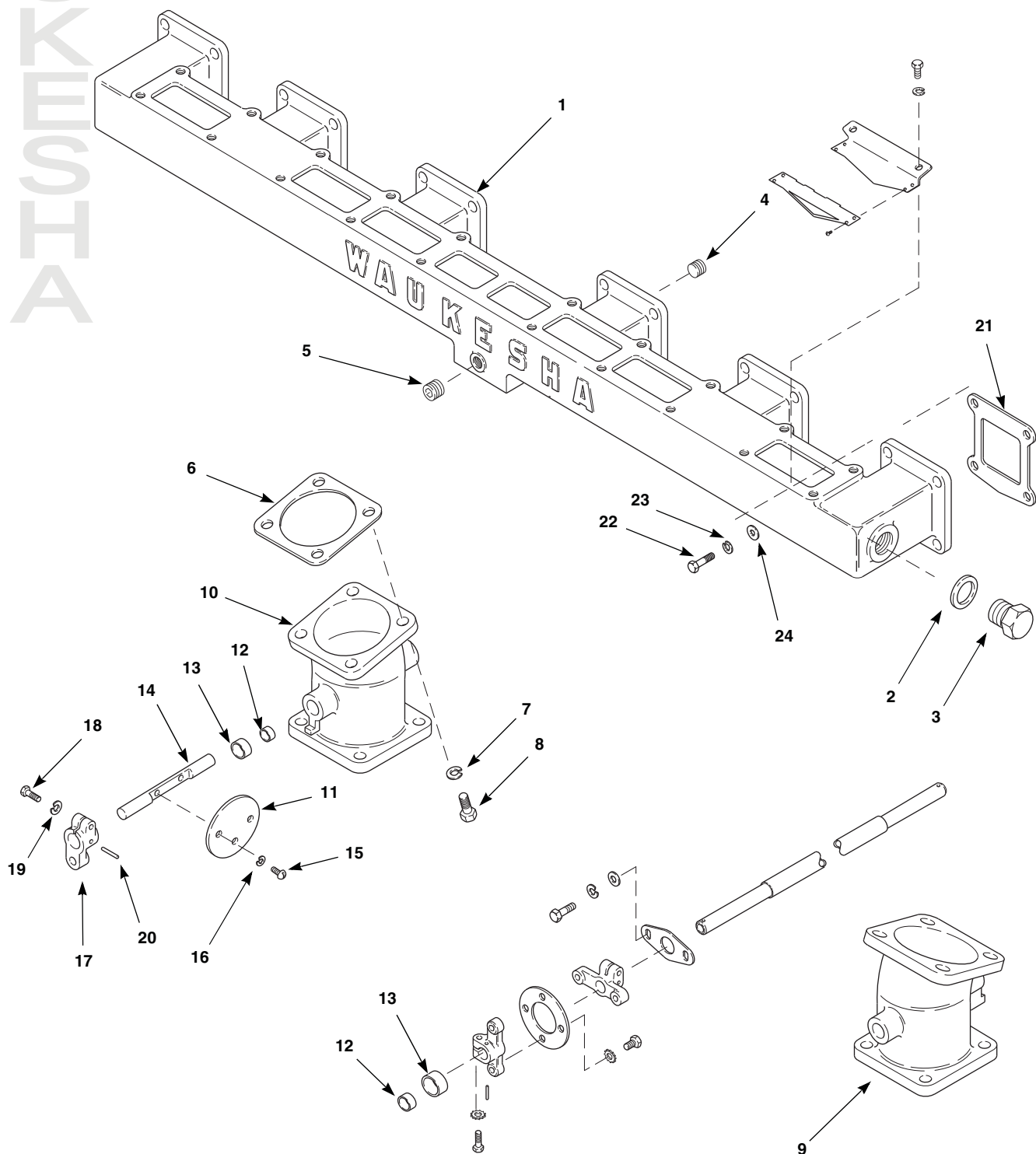
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 35 (continued)
32	• 100834Y			1		• NIPPLE, Pipe, 2" x 2-1/2"
33	• 78204F			2		• ELBOW, Pipe, 2" x 905
34	• 120306W			1		• NIPPLE, Pipe, 2" x 2-1/4"
35	• 74176			1		• ELL, Street, 2" x 455
36	• 74112			1		• ELL, Street, 1/8" x 455
37	• 167907J			1		• NIPPLE, Pipe, Threaded One End, 2" x 3"
38	• 48988L			1		• NIPPLE, Pipe, Threaded One End, 2" x 13"
39	• 26750			8		• PLUG, Pipe, 1/4 NPT
40	168317E			1		BRACKET, Intercooler, RB
	168316F			1		BRACKET, Intercooler, LB
41	21431			8		CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
42	21054			20		WASHER, Lock, 1/2"
43	Y18813P			8		WASHER, Plain, 3/4"
44	21233			8		NUT, Hex, 3/4"
45	C168528F			1		TUBE, Air Inlet, RB-Assembly
	A168527F			1		TUBE, Air Inlet, LB-Assembly
46	155248G			2		O-RING
47	211637			4		PLATE, Restraining
48	21354			8		CAPSCREW, Hex Head, 3/8"-16 x 1-3/8"
49	21052			8		WASHER, Lock, 3/8"
50	153785A			2		CLAMP, 4-1/2"
51	211412B			2		SUPPORT, Tube Clamp
52	21275			2		CAPSCREW, Hex Head, 1/4"-20 x 3/4"
53	21050			2		WASHER, Lock, 1/4"
54	21173			2		NUT, 1/4"
55	21425			2		CAPSCREW, Hex Head, 1/2"-13 x 1"
56	21433			8		CAPSCREW, Hex Head, 1/2"-13 x 1-3/4"
57	Y18813K			4		WASHER, Flat, 1/2"
58	21205			10		NUT, 1/2"-13
59	168504F			2		PIPE, Air/Gas Pipe
60	169847D			2		COUPLING, 4.50" OD Tube

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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INTAKE MANIFOLD, BUTTERFLY HOUSING GROUPS 41

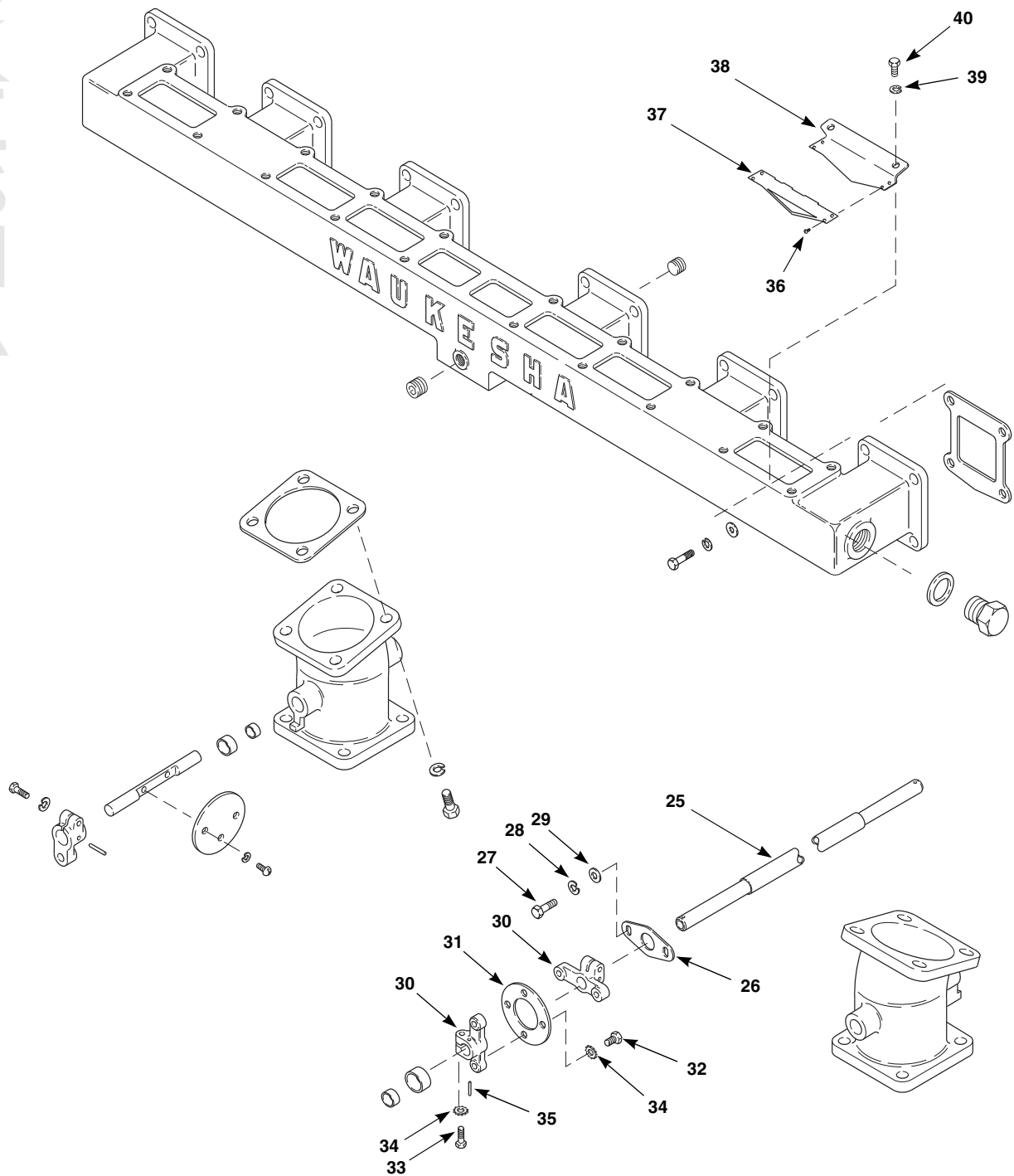
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 41
1	204241P	2	2		2	MANIFOLD, Intake
2	116861B	4	4		4	WASHER, Nylon
3	164560C	4	4		4	PLUG, Nylon
4	B3104	2	2		2	PLUG, Pipe, Slotted Head, Brass, 1/8"
5	78283A	2	2		2	PLUG, Pipe, Countersunk Headless, 1/2"
6	119035	2	2		2	GASKET, Butterfly Valve Housing
7	21430	8	8		8	CAPSCREW, Hex Head, 1/2"-13 x 1-3/8"
8	21054	8	8		8	WASHER, Lock, 1/2"
	F204072A	1	1		1	VALVE, Butterfly, RB-Assembly
	E204072	1	1		1	VALVE, Butterfly, RB-Assembly
9	• 204072	1	1		1	• HOUSING, Butterfly Valve, LB
10	• 204072A	1	1		1	• HOUSING, Butterfly Valve, RB
11	•119060K	2	2		2	• VALVE, Butterfly
12	• 168290B	4	4		4	• BUSHING, Butterfly Valve Housing
13	• 153990A	4	4		4	• SEAL, Butterfly Valve Shaft
14	• 168510	2	2		2	• SHAFT, Butterfly Valve
15	• 26012	4	4		4	• SCREW, Machine, Round Head, No. 10-32 x 1/2"
16	• 26938	4	4		4	• WASHER, External, Internal Shakeproof, No. 10
17	• 153267C	1	1		1	• LEVER, Butterfly Valve
18	• 21315	1	1		1	• CAPSCREW, Hex Head, 5/16"-18 x 1-1/4"
19	•21051	1	1		1	• WASHER, Lock, 5/16"
20	• 26786	1	1		1	• PIN, Roll, 1/8" x 1-1/8"
21	153895A	12	12		12	GASKET, Intake Manifold
22	21431	48	48		48	CAPSCREW, Hex Head, 1/2"-13 x 1-1/4"
23	21054	48	48		48	WASHER, Lock, 1/2"
24	Y18813K	48	48		48	WASHER, Plain, 1/2"

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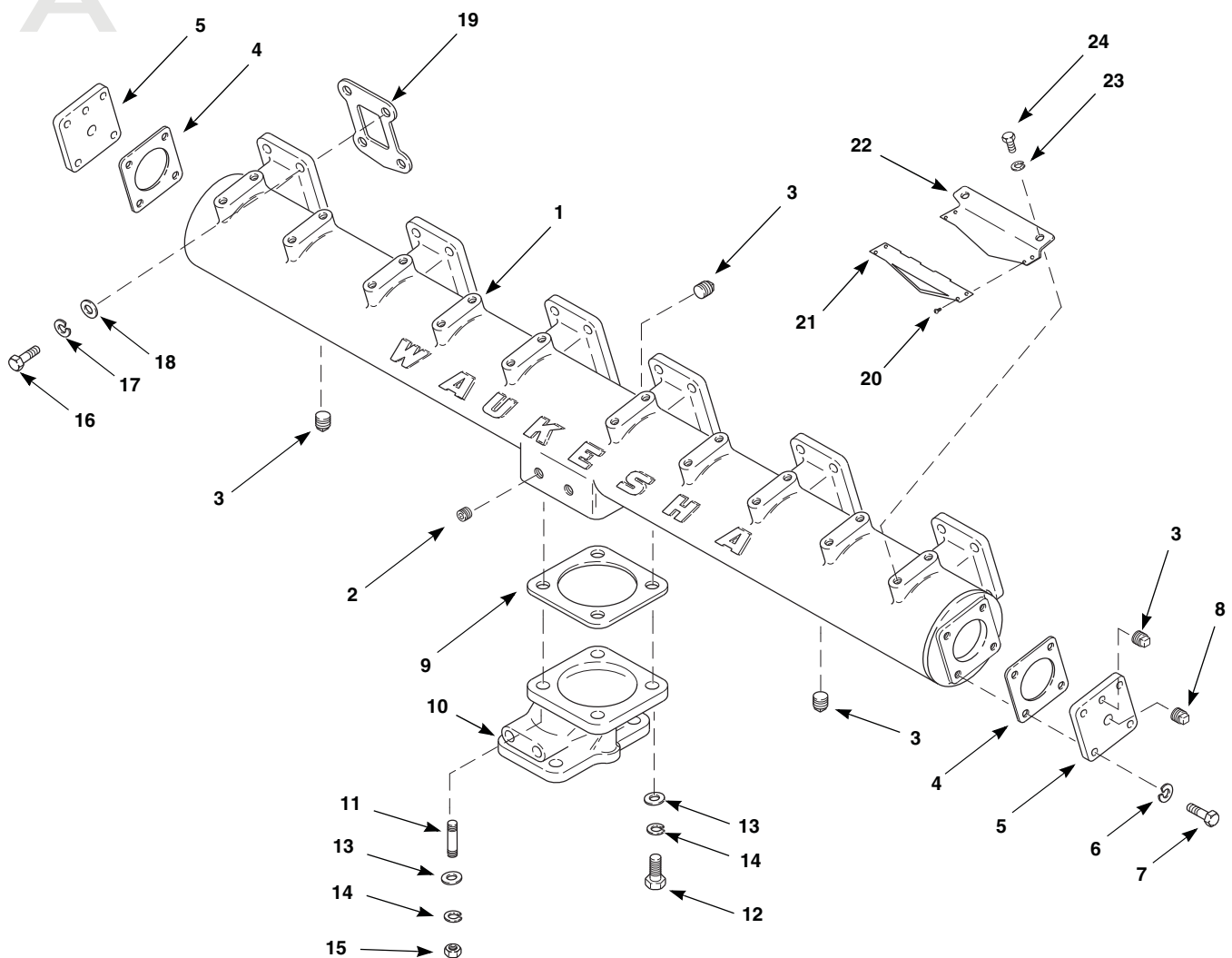
INTAKE MANIFOLD, BUTTERFLY HOUSING

GROUPS 72, 16

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 72
25	156476C	1	1		1	SHAFT, Cross, Butterfly Valve
	156476Z			1		SHAFT, Cross, Butterfly Valve
26	168899	2	2	2	2	COVER, Cross Shaft
27	21343	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 3/4"
28	21052	4	4	4	4	WASHER, Lock, 3/8"
29	Y18813H	4	4	4	4	WASHER, Plain, 3/8"
30	153271	4	4	2	4	SPIDER, Universal Joint
	153271B			2		SPIDER, Universal Joint
31	153272A	2	2		2	DISC, Universal Joint
32	21306	8	8		8	CAPSCREW, Hex Head, 5/16"-18 x 1/2"
33	21315	4	4		4	CAPSCREW, Hex Head, 5/16"-18 x 1-1/4"
34	21609	8	8		8	WASHER, External, Shakeproof, 5/16"
35	26786	4	4		4	PIN, Roll, 1/2" x 1-1/8"
						GROUP 16
36	26118	8	8		8	SCREW, Self Tapping, #4 x 3/8"
37	214083	2	2		2	NAMEPLATE, VHP Series Four
38	214084A	2	2		2	BRACKET
39	21729	4	4		4	WASHER, Lock, 3/8"
40	21339	4	4		4	CAPSCREW, Hex Head, 3/8"-16 x 1/2"

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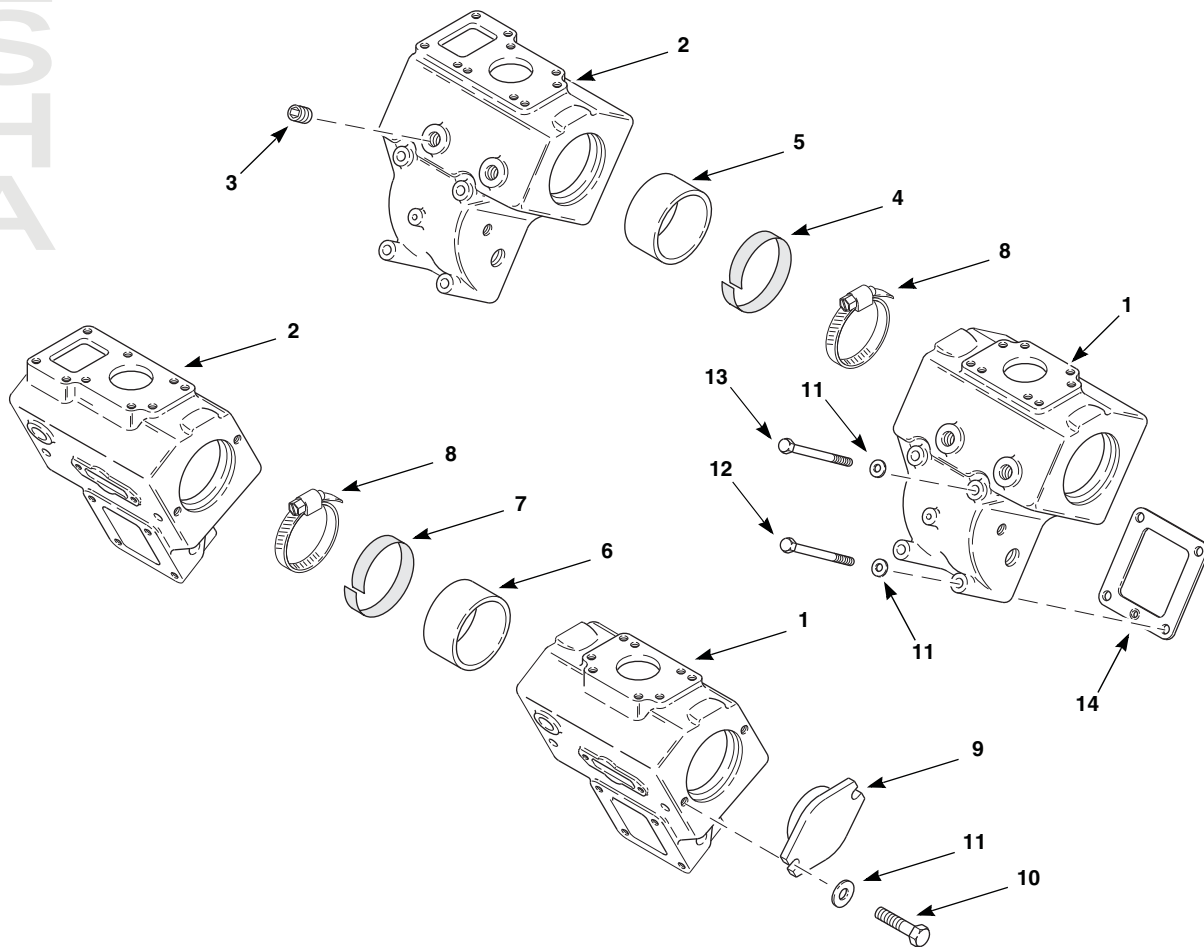
INTAKE MANIFOLD - L5794LT

GROUPS 41, 16

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 41
1	• 204141J			2		• MANIFOLD, Intake
2	• 28478			4		• PLUG, Pipe, Socket Head, 1/4"
3	• 26750			12		• PLUG, Pipe, Hex Head, 1/4"
4	• 153147A			4		• GASKET, Flange Cover
5	• 153146K			4		• COVER, Flange, Right Front
6	• 21054			16		• WASHER, Lock, 1/2"
7	• 21431			16		• CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
8	• 78282F			4		• PLUG, Pipe, Square Head, 3/4"
9	• 169568A			2		• GASKET, Manifold Inlet Adapter
10	• 257472E			2		• ADAPTER, Manifold Inlet
11	• B5220			2		• STUD
12	• 21469			6		• CAPSCREW, Hex Head, 5/8"-11 x 2"
13	• Y18813M			8		• WASHER, Flat, 5/8"
14	• 21055			8		• WASHER, Lock, 5/8"
15	• 21225			2		• NUT, Hex, 5/8"-18
16	21433			48		CAPSCREW, Hex Head, 1/2"-13 x 1-3/8"
17	21054			48		WASHER, Lock, 1/2"
18	Y18813K			48		WASHER, Flat, 1/2"
19	153895A			12		GASKET, Intake Manifold
						GROUP 16
20	26118			8		SCREW, Self Tapping, #6 x 1/2"
21	214083			2		NAMEPLATE, VHP Series Four
22	214084A			2		BRACKET
23	21729			4		WASHER, Lock, 3/8"
24	21339			4		CAPSCREW, Hex Head, 3/8"-16 x 1/2"

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EXHAUST MANIFOLD

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 42
	KA204342X	1	1	1	1	MANIFOLD, Exhaust, RB-Assembly
	MA204342X	1	1	1	1	MANIFOLD, Exhaust, LB-Assembly
1	• A204342X	10	10	10	10	• MANIFOLD, Exhaust, RB (Nos. 1 – 5)
2	• A204442E	1	1	1	1	• MANIFOLD, Exhaust, RB (No. 6)
	• A204542E	1	1	1	1	• MANIFOLD, Exhaust, LB (No. 6)
3	•• 78283C	48	48	48	48	•• PLUG, Pipe, Countersunk Head, 1"
4	• 199942	8	8	8	8	• RING, Insulating
5	• 168055	8	8	8	8	• PILOT, Manifold (Between Outer Sections)
6	• 168055A	2	2	2	2	• PILOT, Manifold (Between Center Sections)
7	• 199942A	2	2	2	2	• RING, Insulating
8	• 41236E	10	10	10	10	• CLAMP, Hose
9	169062	2	2	2	2	CAP, Manifold (End Sections)
10	26398A	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 1-5/8"
11	Y18813K	52	52	52	52	WASHER, Flat, 1/2"
12	21519	24	24	24	24	CAPSCREW, Hex Head, 1/2"-13 x 5-1/2"
13	26916	24	24	24	24	CAPSCREW, Hex Head, 1/2"-13 x 8-1/2"
14	153896B	12	12	12	12	GASKET, Exhaust Manifold

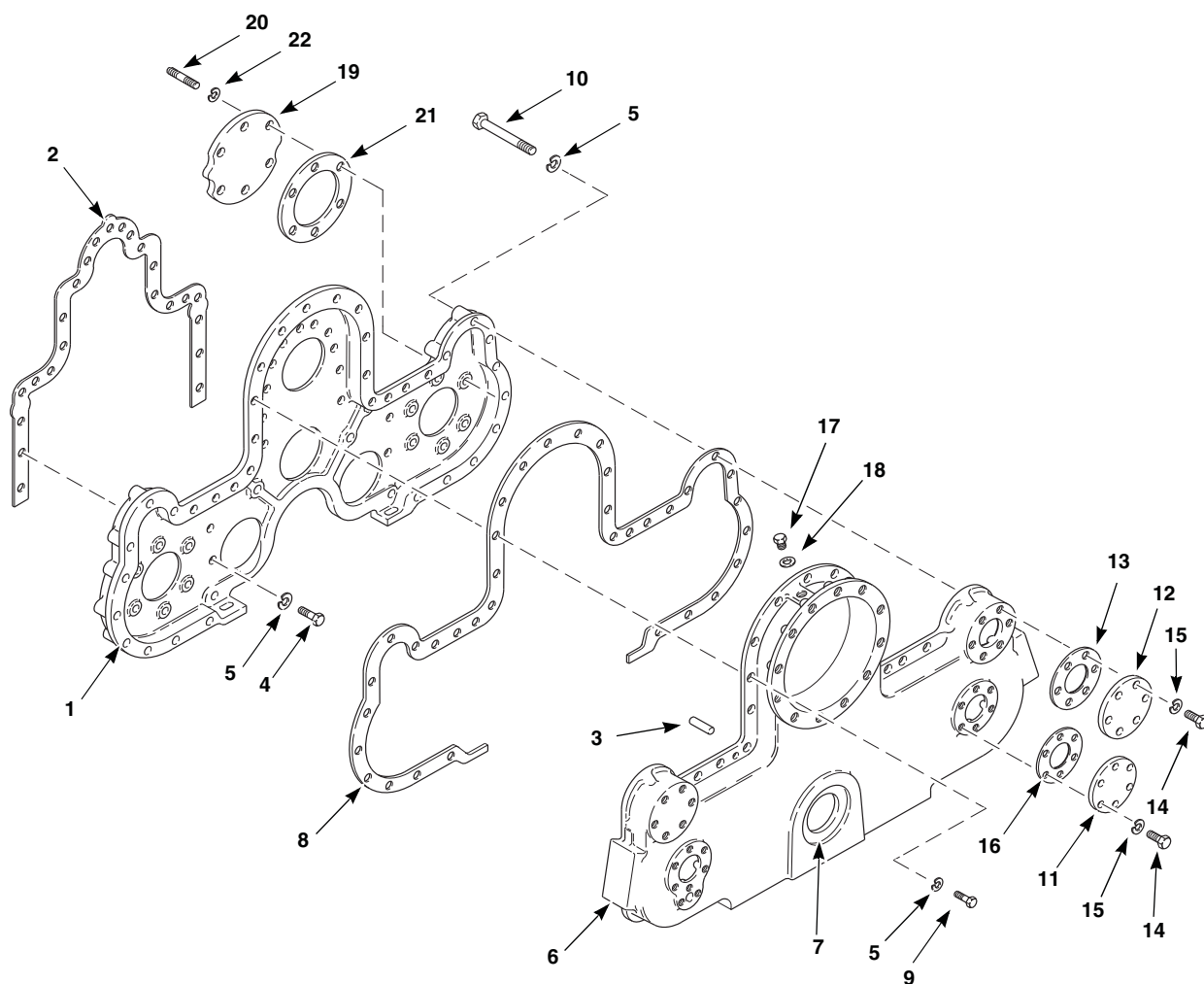
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045.00
GEAR COVER
GROUP 45

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 45
1	200054C	1	1	1	1	HOUSING, Gear
2	163212B	1	1	1	1	GASKET, Gear Housing, Complete
3	44083	4	4	4	4	PIN, Dowel
4	21430	16	16	16	16	CAPSCREW, Hex Head, 1/2"-13 x 1-3/8"
5	21054	61	61	61	61	WASHER, Lock, 1/2"
6	A200245F	1	1	1	1	COVER, Gear-Assembly
7	• 153097A	1	1	1	1	• SEAL, Oil, Front
8	163211	1	1	1	1	GASKET, Gear Cover, Complete
9	21430	16	15	15	16	CAPSCREW, Hex Head, 1/2"-13 x 1-3/8"
10	21442	18	18	18	18	CAPSCREW, Hex Head, 1/2"-13 x 3"
11	153732	1	1	1	1	PLATE, Cover
12	153580	1	1	1	1	PLATE, Cover
13	153137A	1	1	1	1	GASKET, Cover Plate
14	21346	12	12	12	12	CAPSCREW, Hex Head, 3/8"-16 x 7/8"
15	21052	12	12	12	12	WASHER, Lock, 3/8"
16	153095A	1	1	1	1	GASKET, Cover Plate
17	199528	1	1	1	1	PLUG, Hex Head, 5/8"-18
18	B9940	1	1	1	1	WASHER, Flat, 5/8"
19	177041	1	1	1	1	COVER, Magneto Drive, LB
20	B2984	12	12	12	12	STUD, 1/2" x 1-15/16"
21	153176B	1	1	1	1	GASKET
22	21209	12	12	12	12	WASHER, Lock, 1/2"

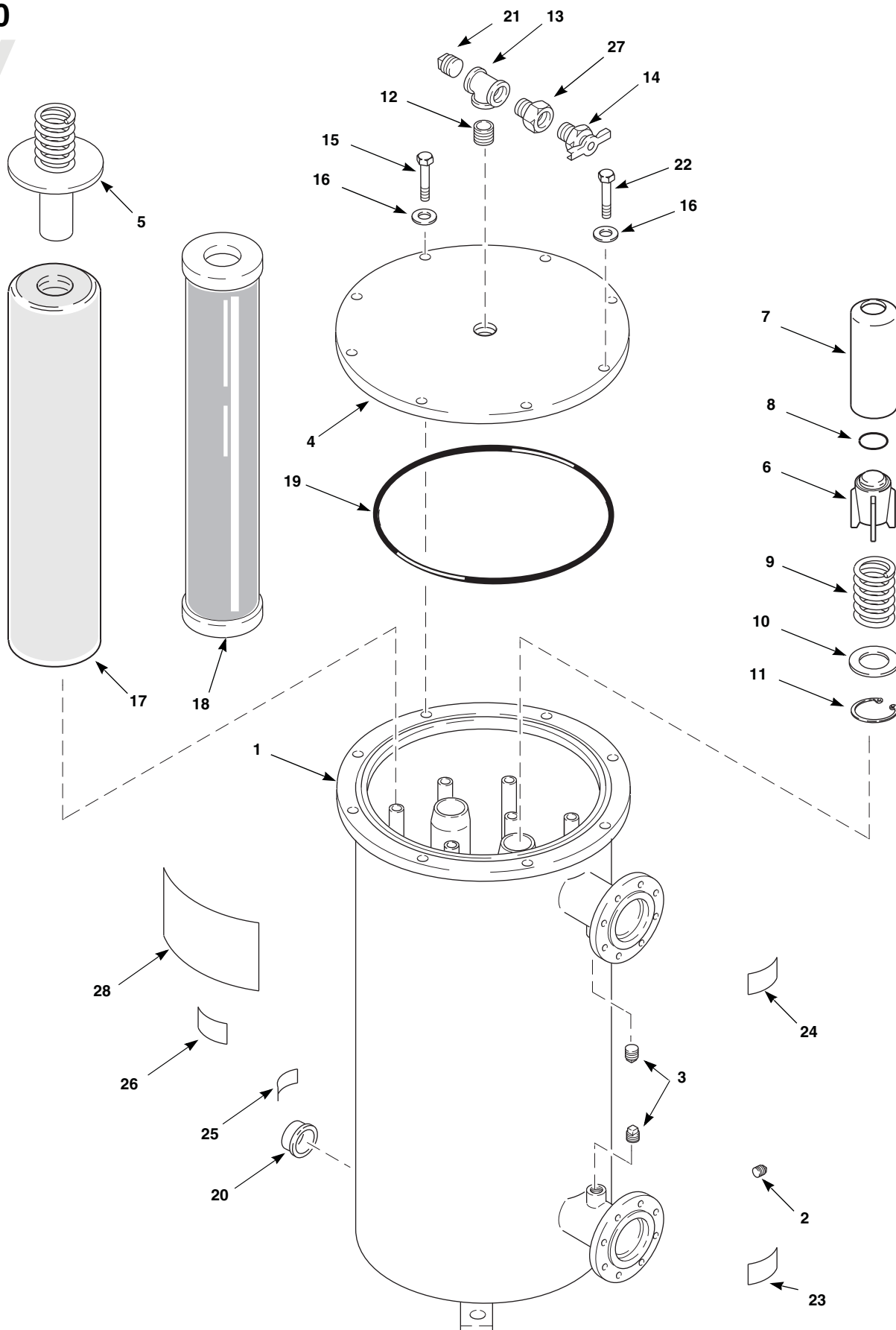
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055.00
OIL FILTER
GROUPS 55, 97

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 55
	AE167600N	1	1	1	1	FILTER, Lube Oil-Assembly
1	• E167600N	1	1	1	1	• HOUSING, Lube Oil Filter
2	•• 78282F	2	2	2	2	•• PLUG, Pipe, Square Head, 3/4"
3	•• 78282C	2	2	2	2	•• PLUG, Pipe, Square Head, 1/4"
4	• 209590	1	1	1	1	• COVER, Lube Oil Filter
5	• A209539	7	7	7	7	• RETAINER, Filter Element
	• A209531	1	1	1	1	• VALVE, Relief-Assembly
6	•• 209530	1	1	1	1	•• PISTON, Relief Valve
7	•• 209531	1	1	1	1	•• BODY, Relief Valve
8	•• 168922M	1	1	1	1	•• O-RING, Relief Valve
9	•• 209532	1	1	1	1	•• SPRING, Relief Valve
10	•• 209529	1	1	1	1	•• WASHER, Relief Valve
11	•• 161264M	1	1	1	1	•• RING, Retaining
12	• 100831W	1	1	1	1	• NIPPLE, Pipe, 1/2" x 1-1/2"
13	• 78208C	1	1	1	1	• TEE, Pipe, 1/2"
14	• 76400	1	1	1	1	• COCK, Drain
15	• 21467	10	10	10	10	• CAPSCREW, Hex Head, 5/8"-11 x 1-3/4"
16	• Y18813M	12	12	12	12	• WASHER, Plain, 5/8"
17	• 168660B*	7	7	7	7	• ELEMENT, Filter (32" Standard)
	• 168660C*	7	7	7	7	• ELEMENT, Filter (32" Treated)
	• 167602B*	14	14	14	14	• ELEMENT, Filter (16" Standard)
	• 167602C*	14	14	14	14	• ELEMENT, Filter (16" Treated)
18	• 489190	7	7	7	7	• ELEMENT, Filter, Cleanable, 32"(See Microspin)
	• 489301	14	14	14	14	• ELEMENT, Filter, Cleanable, 16"(Not Illustrated) (See Microspin)
19	• 168922N	1	1	1	1	• O-RING
20	• 78899E	2	2	2	2	• CAP, Pipe, 1-1/2"
21	• 78282E	1	1	1	1	• PLUG, Pipe, Square Head, Steel, 1/2"
22	• 21472	2	2	2	2	• CAPSCREW, Hex Head, 5/8"-11 x 3"
23	• 209552A	1	1	1	1	• DECAL, Outlet
24	• 209552	1	1	1	1	• DECAL, Inlet
25	• 209552B	2	2	2	2	• DECAL, Drain
26	• 209552D	1	1	1	1	• DECAL, Identification
27	• 78212C	1	1	1	1	• BUSHING, Reducing, 1/2" to 1/4"
						GROUP 97
28	199598P	1	1	1	1	DECAL, Instruction

NOTE: * Use 7 of the 32" elements or 14 of the 16" elements. Treated elements should be used when high sulfur fuels are used.

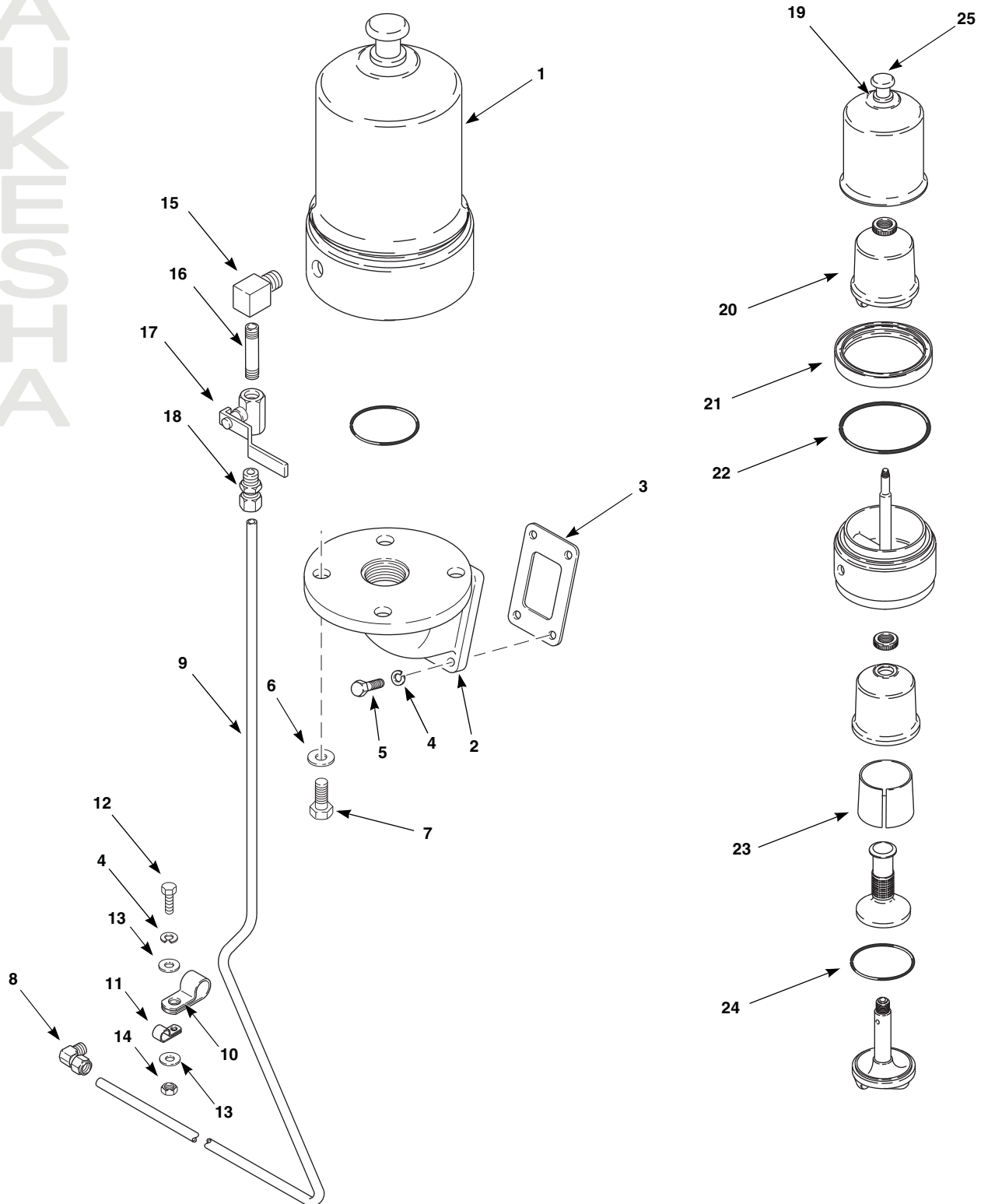
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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MICROSPIN CENTRIFUGE, ENGINE MOUNTED

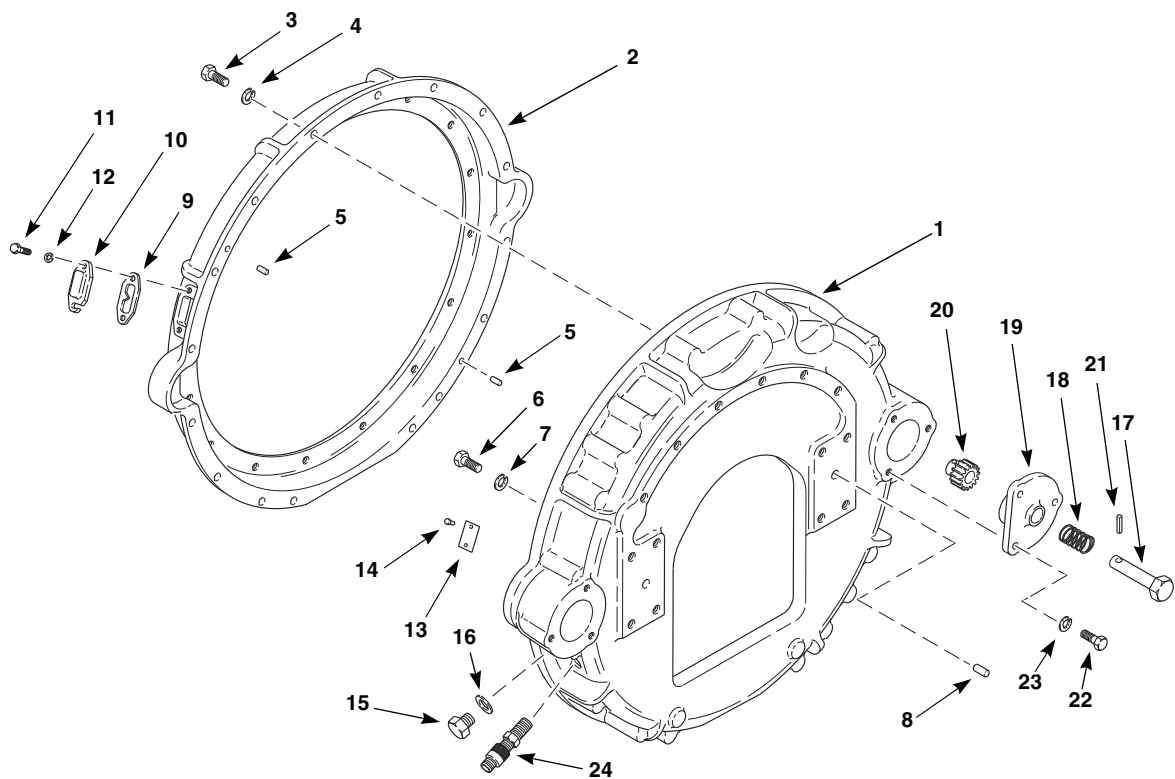
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 55
1	214105	1	1	1	1	MICROSPIN CENTRIFUGE, Bottom Drain
2	153375D	1	1	1	1	ELBOW, Oil Filler
3	153376A	1	1	1	1	GASKET
4	21052	6	6	6	6	WASHER, Lock, 3/8"
5	29607	4	4	4	4	CAPSCREW, Hex Head, 3/8"-16 x 1-1/2"
6	290193	4	4	4	4	WASHER, Flat, M12
7	292010	4	4	4	4	CAPSCREW, Hex Head, M12 x 40
8	199111K	1	1	1	1	ELBOW, Male, 1/2" OD x 1/2" NPT
9	214154	1	1	1	1	TUBE, Oil Supply
10	177487G	2	2	2	2	CLIP, 1" OD
11	169013P	2	2	2	2	CLIP, 1/2" OD
12	21346	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 7/8"
13	Y18813H	4	4	4	4	WASHER, Flat, 3/8"
14	21189	2	2	2	2	NUT, Hex, 3/8"-16
15	B10168D	1	1	1	1	ELBOW, Street, 1/2"
16	100831B	1	1	1	1	PIPE, 1/2" x 2"
17	207585A	1	1	1	1	VALVE, Ball, 1/2"
18	194769H	1	1	1	1	CONNECTOR, Male, 1/2"
19	489249	1	1	1	1	O-RING, Knob
20	489197	1	1	1	1	ROTOR, Assembly
21	489196	1	1	1	1	CLAMP, Ball
22	489193	1	1	1	1	O-RING
23	489191	1	1	1	1	INSERT, Paper
24	489192	1	1	1	1	O-RING
25	489555	1	1	1	1	KNOB

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FLYWHEEL HOUSING, BARRING DEVICE, MAGNETIC PICKUP **GROUPS 57, 102, 290**

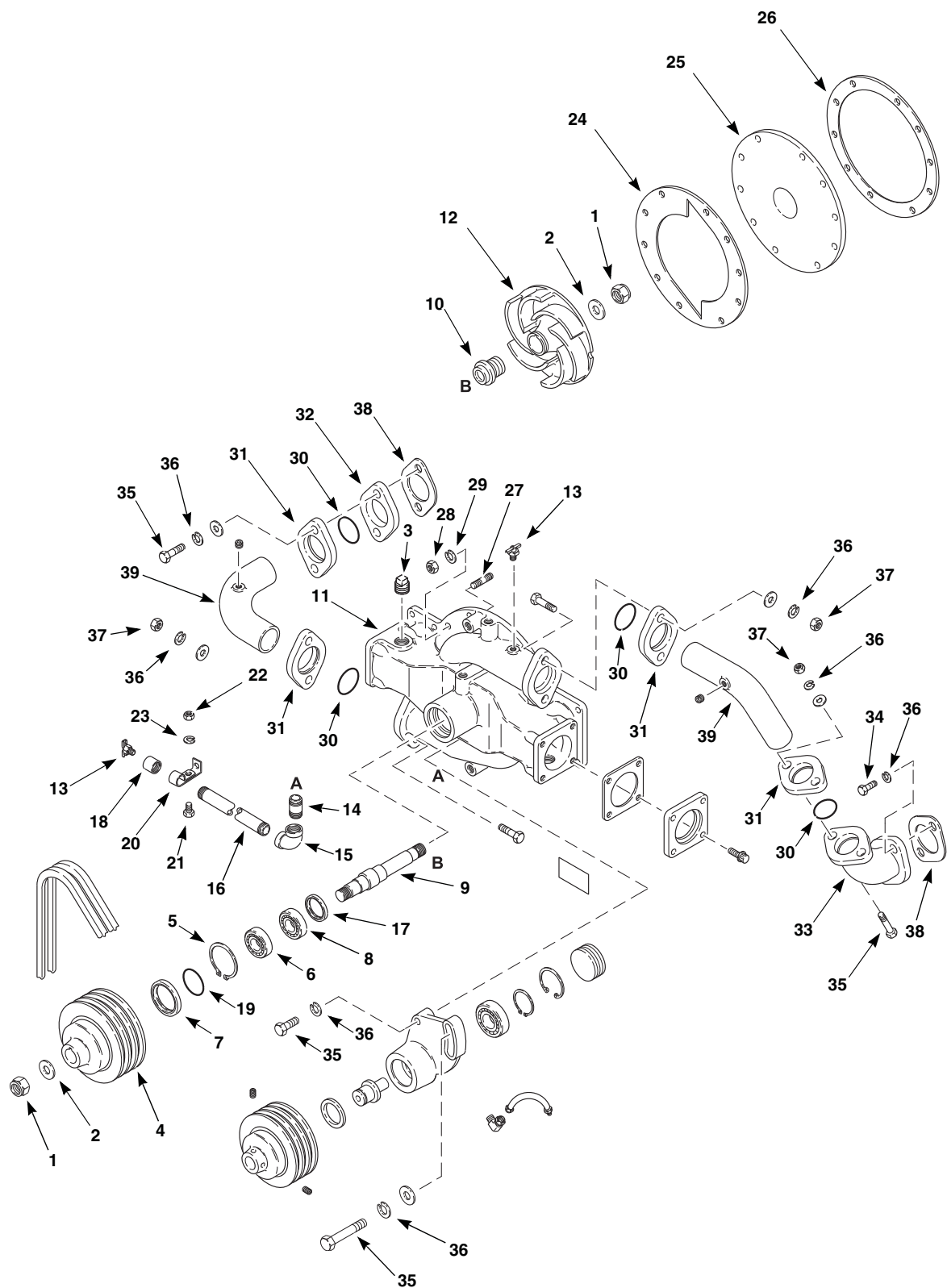
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 57
1	200057T	1	1	1	1	HOUSING, Flywheel, Front Section
2	200157E	1	1	1	1	HOUSING, Flywheel, Rear Section
3	21431	16	16	16	16	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
4	21054	16	16	16	16	WASHER, Lock, 1/2"
5	44083	2	2	2	2	PIN, Dowel
6	21466	14	14	14	14	CAPSCREW, Hex Head, 5/8"-11 x 1-1/2"
7	21055	14	14	14	14	WASHER, Lock, 5/8"
8	B4203	2	2	2	2	PIN, Dowel
9	B421	1	1	1	1	POINTER, Timing
10	B420	1	1	1	1	COVER, Timing Pointer
11	21338	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 1/2"
12	21052	2	2	2	2	WASHER, Lock, 3/8"
13	158876	1	1	1	1	PLATE, Name
14	B557A	2	2	2	2	SCREW, Thread Cutting
15	199528	1	1	1	1	PLUG, Hex Head, 5/8"-18
16	B9940	1	1	1	1	WASHER, Copper
						GROUP 102
	C151814B	1	1	1	1	PINION, Barring-Assembly
17	• 151813	1	1	1	1	• SHAFT, Barring Pinion
18	• B3979	1	1	1	1	• SPRING
19	• 151814B	1	1	1	1	• BEARING, Barring Shaft
20	• 151815	1	1	1	1	• PINION, Barring Shaft
21	• 26594	1	1	1	1	• PIN, Roll, 1/4" x 1-1/2"
22	21465	3	3	3	3	CAPSCREW, Hex Head, 5/8"-11 x 1-1/4"
23	21055	3	3	3	3	WASHER, Lock, 5/8"
						GROUP 290
24	295844D	1	1	1	1	PICKUP, Magnetic

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JACKET WATER PUMP
GROUPS 60

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 60
	G200960D	1	1	1	1	PUMP, Water-Assembly
1	• 21251	2	2	2	2	• NUT, Lock, Elastic Stop, 1.0"-14
2	• 28758	2	2	2	2	• WASHER, Plain
3	• 78282H	2	2	2	2	• PLUG, Pipe, 1-1/4"
4	• A159581E	1	1	1	1	• PULLEY, Water Pump
5	• 118925A	1	1	1	1	• RING, Retaining
6	• 161309C	1	1	1	1	• BEARING, Ball, Front
7	• 211442A	1	1	1	1	• SEAL, Oil
8	• 78843C	1	1	1	1	• BEARING, Ball, Rear
9	• 200456C	1	1	1	1	• SHAFT, Water Pump
10	• 157475J	1	1	1	1	• SEAL, Water Pump Shaft
11	• 200960D	1	1	1	1	• BODY, Water Pump
12	• 200463C	1	1	1	1	• IMPELLER, Water Pump
13	• 76400	2	2	2	2	• COCK, Drain and Vent
14	• 78201N	1	1	1	1	• NIPPLE, Pipe, 1/4" x 2"
15	• 78204A	1	1	1	1	• ELBOW, Pipe, 1/4" x 90°
16	• 154981J	1	1	1	1	• NIPPLE, Pipe, Galvanized, 1/4" x 8-1/2"
17	• 211442	1	1	1	1	• SEAL, Oil
18	• 78209C	1	1	1	1	• COUPLING, Pipe, 1/4"
19	• 290144	1	1	1	1	• O-RING
20	154059E	1	1	1	1	BRACKET, Pipe
21	21273	1	1	1	1	CAPSCREW, Hex Head, 1/4" x 20 x 5/8"
22	21173	1	1	1	1	NUT, Hex, 1/4"-20
23	21050	1	1	1	1	WASHER, Lock, 1/4"
24	159580	1	1	1	1	GASKET, Water Pump Cover
25	200161B	1	1	1	1	COVER, Water Pump
26	153092A	1	1	1	1	GASKET, Water Pump Cover to Gear Cover
27	44944	10	10	10	10	STUD, Water Pump
28	21193	10	10	10	10	NUT, Hex, 3/8"-24
29	21052	10	10	10	10	WASHER, Lock, 3/8"
30	176883D	4	4	4	4	O-RING, Square
31	159624G	4	4	4	4	FLANGE, O-Ring
32	159624	1	1	1	1	FLANGE, Crankcase Water Inlet, RB
33	159625C	1	1	1	1	ELBOW, Crankcase Water Inlet, LB
34	21435	2	2	2	2	CAPSCREW, Hex Head, 1/2"-13 x 2"
35	21437	5	5	5	5	CAPSCREW, Hex Head, 1/2"-13 x 2-1/4"
36	21054	12	12	12	12	WASHER, Lock, 1/2"
37	21205	4	4	4	4	NUT, Hex, 1/2"-13
38	153139A	2	2	2	2	GASKET, Crankcase Water Inlet Flange
39	164464T	1	1	1	1	ELBOW, Crankcase Water Inlet, LB
	164464U	1	1	1	1	ELBOW, Crankcase Water Inlet, RB

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PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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JACKET WATER PUMP
GROUPS 60, 64

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 60 (continued)
40	26750	2	2	2	2	PLUG, Pipe, Hex Head 1/4"
	C153645A	1	1	1	1	BRACKET, Idler Pulley-Assembly
41	• 153645A	1	1	1	1	• BRACKET, Idler Pulley
42	• 65623	1	1	1	1	• FITTING, Grease
43	• 111215	1	1	1	1	• ELBOW, 90°
44	• 78116	1	1	1	1	• TUBE, Flexible
45	• 28272	2	2	2	2	• SCREW, Set, Socket Head, Cup Point, Nylok 5/16"-18 x 3/8"
46	• 159578A	1	1	1	1	• PULLEY, Idler
47	• 161341	1	1	1	1	• SEAL, Grease
48	• 161339	1	1	1	1	• BEARING, Ball
49	• 161340B	1	1	1	1	• SHAFT, Idler Pulley
50	• 117488X	1	1	1	1	• RING, Retaining
51	• 44999Y	1	1	1	1	• RING, Retaining
52	• 161345A	1	1	1	1	• COVER, Idler Pulley Bracket
53	21439	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 2-1/4"
54	Y18813K	9	9	9	9	WASHER, Plain, 1/2"
55	A209617	1	1	1	1	BELT, Water Pump (Matched Pair) (Use with 10" Crankshaft Pulley)
56	118996	1	1	1	1	DECAL, Drain
						GROUP 64
57	153280F	2	2	2	2	FLANGE, Water Pump Inlet
58	B2793D	2	2	2	2	GASKET, Water Pump Inlet
59	28253	8	8	8	8	CAPSCREW, Ferry Head, 1/2"-13 x 1-1/2"
						SERVICE REPAIR KITS
	G-960-291					Water Pump Repair Kit (Water Pump Assembly G200960D) (Includes Items 1, 2, 5 – 10, 12, 13, , 17, 19, 24, 26, 30, 38, 58)

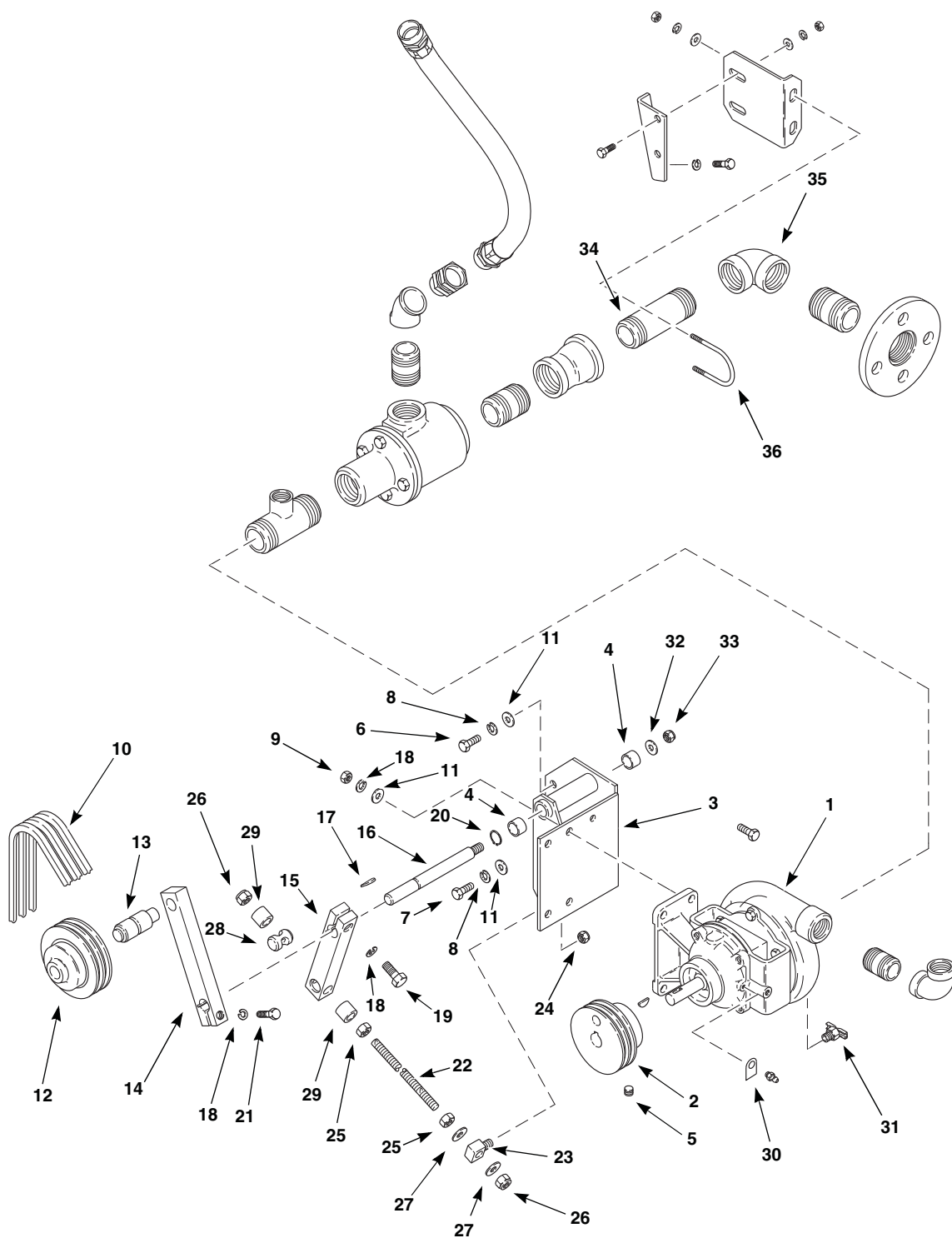
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AUXILIARY WATER PUMP

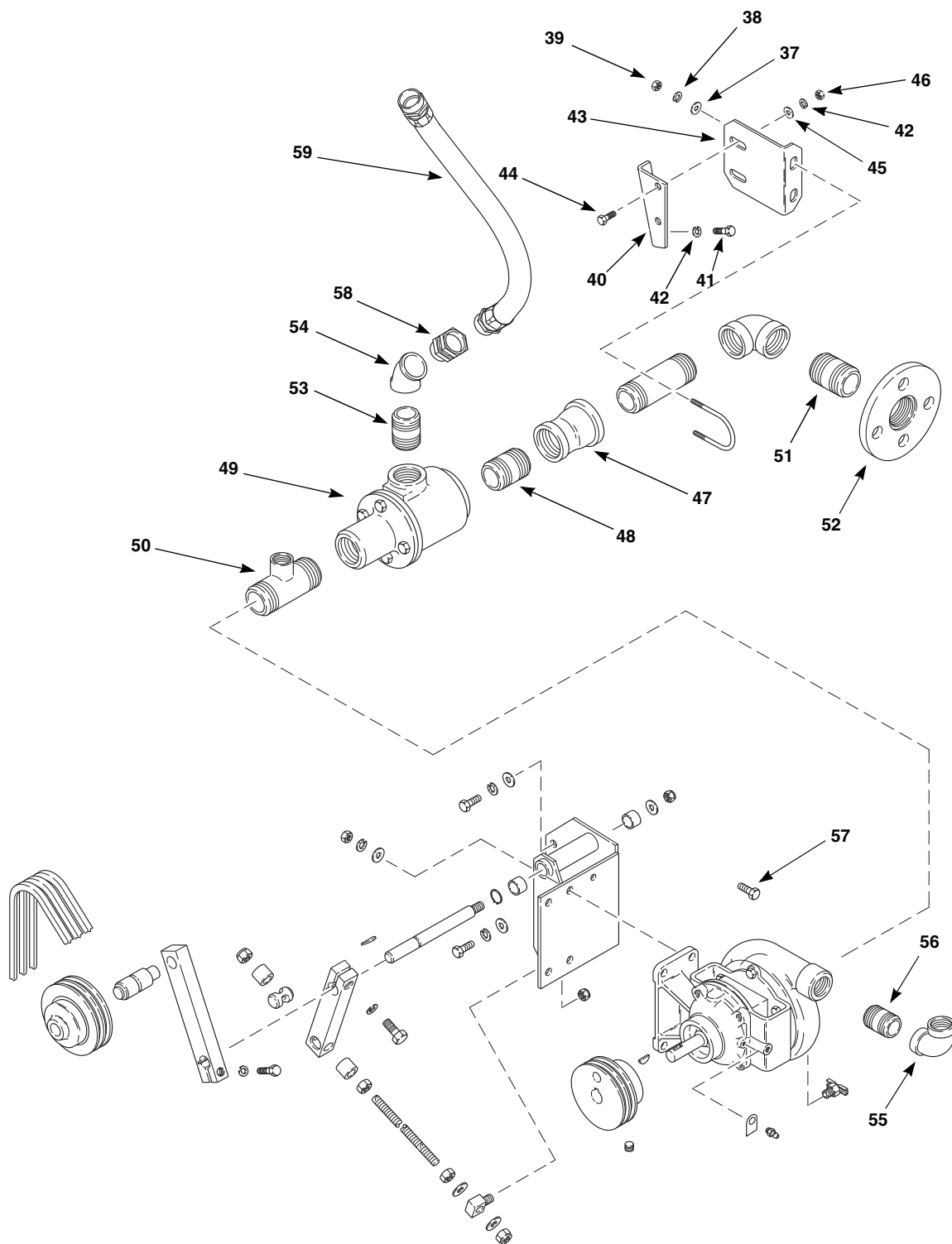
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 61
1	208540D	1	1		1	PUMP, Water
2	27432M	1	1		1	PULLEY, Water Pump
3	A169632K	1	1		1	BRACKET, Water Pump
4	• 168290	2	2		2	• BUSHING
5	26997	2	2		2	SCREW, Set, Socket Head, Cup Point, Nylok, 3/8"-16 x 5/8"
6	21428	3	3		3	CAPSCREW, Hex Head, 1/2"-13 x 1-1/4"
7	21431	1	1		1	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
8	21054	4	4		4	WASHER, Lock, 1/2"
9	21189	4	4		4	NUT, Hex, 3/8"-16
10	A199868	1	1		1	BELT, Water Pump (Set of Two Matched Belts)(With 10" Crankshaft Pulley)
11	Y18813K	8	8		8	WASHER, Plain, 1/2"
	T154971B	1	1		1	PULLEY, Idler Assembly
12	• 154971B	1	1		1	• PULLEY, Idler
13	• 156738	1	1		1	• SHAFT/BEARING, Idler Pulley
14	• 199763N	1	1		1	• LEVER, Idler
15	• 199765A	1	1		1	• LEVER, Adjusting
16	• 199767G	1	1		1	• SHAFT, Idler Pulley
17	• 21004	2	2		2	• KEY, Woodruff, No. 5
18	• 21052	6	6		6	• WASHER, Lock, 3/8"
19	• 21350	1	1		1	• CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"
20	• 167160	1	1		1	• RING, Retaining
21	• 21360	1	1		1	• CAPSCREW, Hex Head, 3/8"-16 x 1-3/4"
22	199770B	1	1		1	ROD, Threaded, 3/8"-24 x 8"10"
23	209048	1	1		1	STUD, Anchor
24	157635	1	1		1	NUT, Lock, Elastic Stop, Plated, 1/2"-20
25	21193	2	2		2	NUT, Thin Hex, 3/8"-24
26	B8921	2	2		2	NUT, Lock, Elastic Stop, 3/8"-24
27	Y18813H	2	2		2	WASHER, Plain, 3/8"
28	199766	1	1		1	PIVOT, Rod
29	B7575	2	2		2	SPACER, 7/16" x 1/2" x 1/2"
30	119775A	1	1		1	PLATE, Instruction (Use Ball Bearing Grease)
31	B9129	1	1		1	COCK, Drain, Brass, 1/8"
32	Y18813M	1	1		1	WASHER, Flat, 5/8"
33	28532	1	1		1	NUT, Elastic Stop, Plated, 5/8"-18 x 3/4"
34	100907J	1	1		1	NIPPLE, Pipe, Threaded Both Ends, 2-1/2" x 4"
35	78204J	1	1		1	ELBOW, Pipe, 2-1/2"
36	176247C	1	1		1	U-BOLT, 5/16" x 2-15/16" x 3-23/32"

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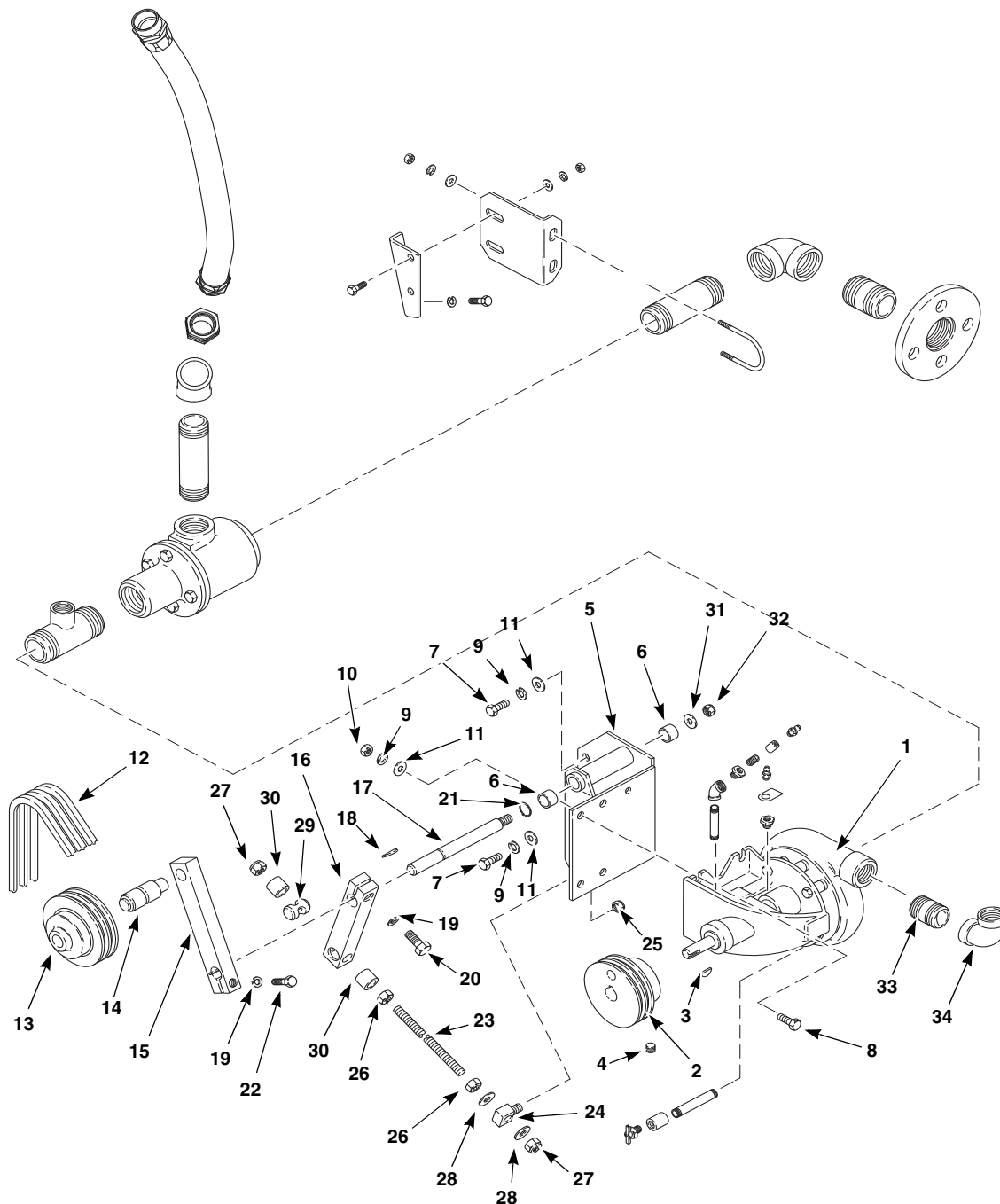
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AUXILIARY WATER PUMP

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 61 (continued)
37	B277	2	2		2	WASHER, Flat, 5/16"
38	21051	2	2		2	WASHER, Lock, Medium, 5/16"
39	21181	2	2		2	NUT, Hex, 5/16"-18
40	209972B	1	1		1	BRACKET, Support
41	21343	2	2		2	CAPSCREW, Hex Head, 3/8"-16 x 3/4"
42	21052	4	4		4	WASHER, Lock, Medium, 3/8"
43	209973	1	1		1	SUPPORT, Pipe
44	21352	2	2		2	CAPSCREW, Hex Head 3/8", 16 x 1-1/4"
45	Y18813H	2	2		2	WASHER, Flat, 3/8"
46	21189	2	2		2	NUT, Hex, 3/8"-16
47	78211G	1	1		1	COUPLING, Reducing, 2-1/2" x 2"
48	48988H	1	1		1	PIPE, Threaded Both Ends, 2" x 2-1/2"
49	208063H	1	1		1	VALVE, Temperature Control, 120° F
50	A76883C	1	1		1	PIPE, Assembly
51	100907Z	1	1		1	PIPE, Threaded Both Ends, 2-1/2" x 2.5"
52	118879C	1	1		1	FLANGE, Pipe, 2-1/2"
53	208346P	1	1		1	PIPE, Threaded Both Ends, 2" x 8"
54	74176	1	1		1	ELBOW, 2"
55	78210R	1	1		1	ELBOW, Reducing, 2" x 1-1/2"
56	101023Q	1	1		1	PIPE, 1-1/2" x 5-1/2"
57	21354	4	4		4	CAPSCREW, 3/8"-16 x 1-3/8"
58	168006A	1	1		1	UNION, 2"
59	C208743	1	1		1	HOSE Assembly, Flex, 45"
						SERVICE REPAIR KITS
	G-960-243	1	1		1	Auxiliary Water Pump Repair Kit (Water Pump 208540D)
	496873	1	1		1	KIT, Thermostat, 120° F

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AUXILIARY WATER PUMP – HIGH CAPACITY

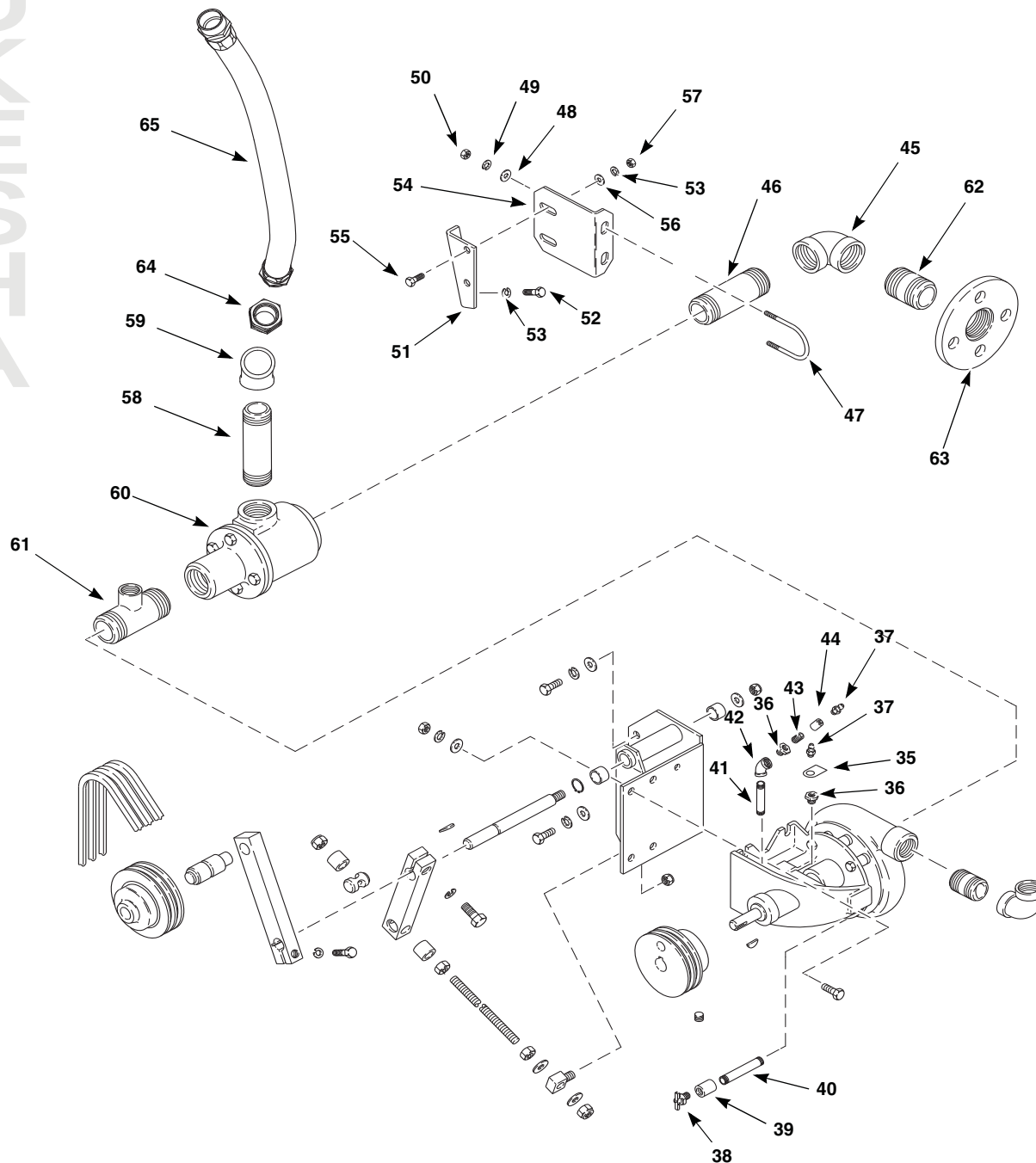
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 61
1	169561A			1		PUMP, Water
2	27432R			1		PULLEY, Water Pump
3	44408B			1		KEY, 0.19"
4	26997			2		SCREW, Set, Socket Head - Cup Point, 3/8"-16 x 5/8"
5	A169632E			1		BRACKET, Water Pump
6	• 168290			2		• BUSHING, Water Pump Bracket
7	21428			7		CAPSCREW, Hex Head, 1/2"-13 x 1-1/4"
8	21431			4		CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
9	21054			8		WASHER, Lock, 1/2"
10	21205			4		NUT, Hex, 1/2"-13
11	Y18813K			8		WASHER, Flat, 1/2"
12	A199868			1		BELTS, Water Pump (Two Matched Belts) (Use with 10" Crankshaft Pulley)
	T154971B			1		PULLEY, Idler-Assembly
13	• 154971B			1		• PULLEY, Idler
14	• 156738			1		• SHAFT/BEARING, Idler Pulley
15	• 199763N			1		• LEVER, Idler
16	• 199765A			1		• LEVER, Adjusting
17	• 199767G			1		• SHAFT, Idler Pulley
18	• 21004			2		• KEY, Woodruff, No. 5
19	• 21052			2		• WASHER, Lock, 3/8"
20	• 21350			1		• CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"
21	• 167160			1		• RING, Retaining
22	• 21360			1		• CAPSCREW, Hex Head, 3/8"-16 x 1-3/4"
23	199770B			1		ROD, Threaded, 3/8"-24 x 8"
24	209048			1		STUD, Anchor
25	157635			1		NUT, Lock, Elastic Stop, Plated, 1/2"-20
26	21193			2		NUT, Thin Hex, 3/8"-24
27	B8921			2		NUT, Lock - Elastic Stop, 3/8"-14
28	Y18813H			2		WASHER, Flat, 3/8"
29	199766			1		PIVOT, Rod
30	B7575			2		SPACER, 7/16" x 1/2" x 1/2"
31	Y18813M			1		WASHER, Flat, 5/8"
32	28532			1		NUT, Lock, Elastic Stop, Plated, 5/8"-18 x 3/4"
33	209151E			1		PIPE, 1-1/2" x 3-3/4"
34	78210R			1		ELBOW, Reducing, 2" x 1-1/2"

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PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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AUXILIARY WATER PUMP – HIGH CAPACITY

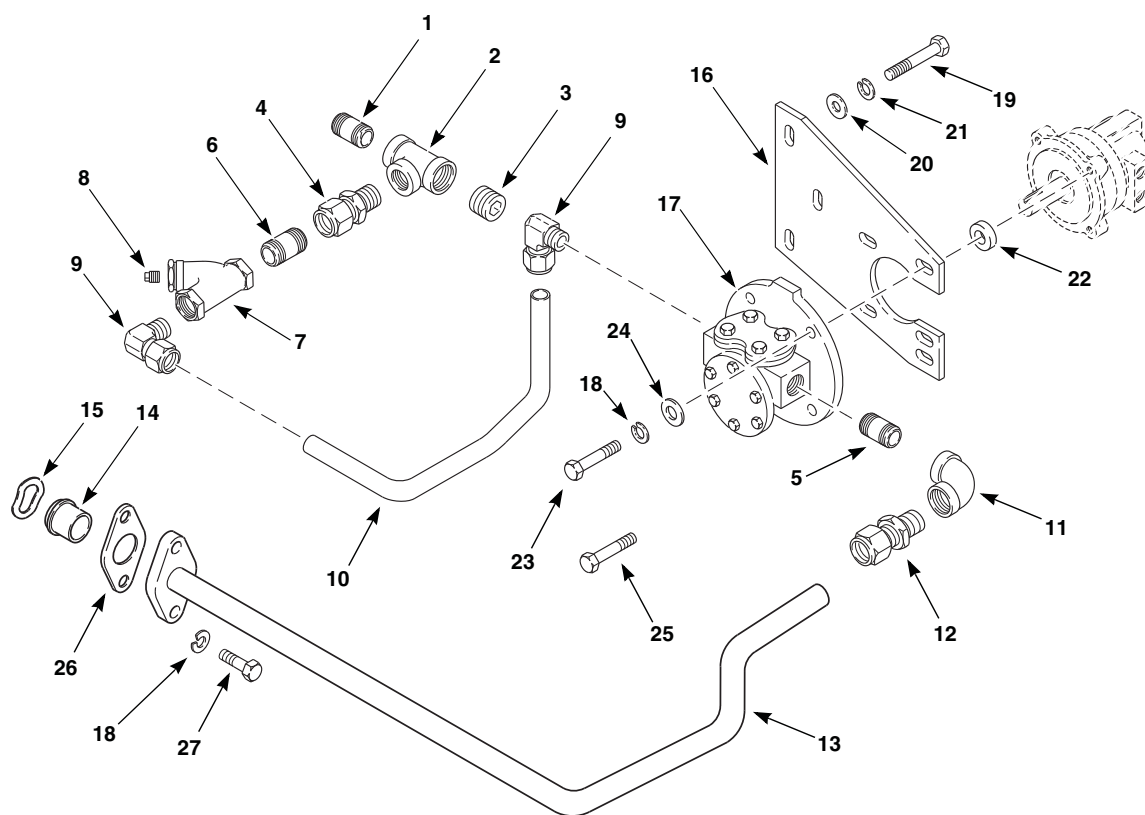
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 61 (continued)
35	119775A			1		PLATE, Instruction (Use Ball Bearing Grease)
36	B8677			2		BUSHING, Reducing, 1/4" x 1/8"
37	65623			2		FITTING, Grease, 1/8"
38	76400			1		COCK, Drain, Brass, 1/4"
39	78209C			1		COUPLING, Pipe, 1/4"
40	154981A			1		PIPE, 1/4" x 3"
41	154981L			1		PIPE, 1/4" x 1-1/4"
42	78207B			1		ELBOW, 45° x 1/4"
43	65110X			1		PIPE, 1/8" x 3/4"
44	78209W			1		COUPLING, Pipe, 1/8"
45	78210H			1		ELBOW, Reducing, 2-1/2" x 2"
46	209805E					PIPE, 2" x 4-1/4"
47	176247C			1		U-BOLT, 5/16" x 2-15/16" x 3-23/32"
48	B277			2		WASHER, Flat, 5/16"
49	21051			2		WASHER, Lock, Medium, 5/16"
50	21181			2		NUT, Hex, 5/16"-18
51	209972B			1		BRACKET, Support
52	21343			4		CAPSCREW, Hex Head, 3/8"-16 x 3/4"
53	21052			6		WASHER, Lock, Medium, 3/8"
54	209973			1		SUPPORT, Pipe
55	21352			2		CAPSCREW, Hex Head 3/8"-16 x 1-1/4"
56	Y18813H			4		WASHER, Flat, 3/8"
57	21189			4		NUT, Hex, 3/8"-16
58	208346P			1		PIPE, 2" x 8"
59	74176			1		ELBOW, 2"
60	208063H			1		VALVE, Temperature Control, 120° F
61	A76883C			1		PIPE, Assembly
62	100907Z			1		PIPE, Threaded Both Ends, 2-1/2" x 2-1/2"
63	118879C			1		FLANGE, Pipe, 2-1/2"
64	168006A			1		UNION, 2"
65	C208743			1		HOSE Assembly, Flex, 45"
						SERVICE REPAIR KITS
	G-960-256			1		Auxiliary Water Pump Repair Kit (Water Pump 169561 A)
	496873			1		KIT, Thermostat, 120° F

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AIR/GAS MOTORIZED PRELUBE PUMP

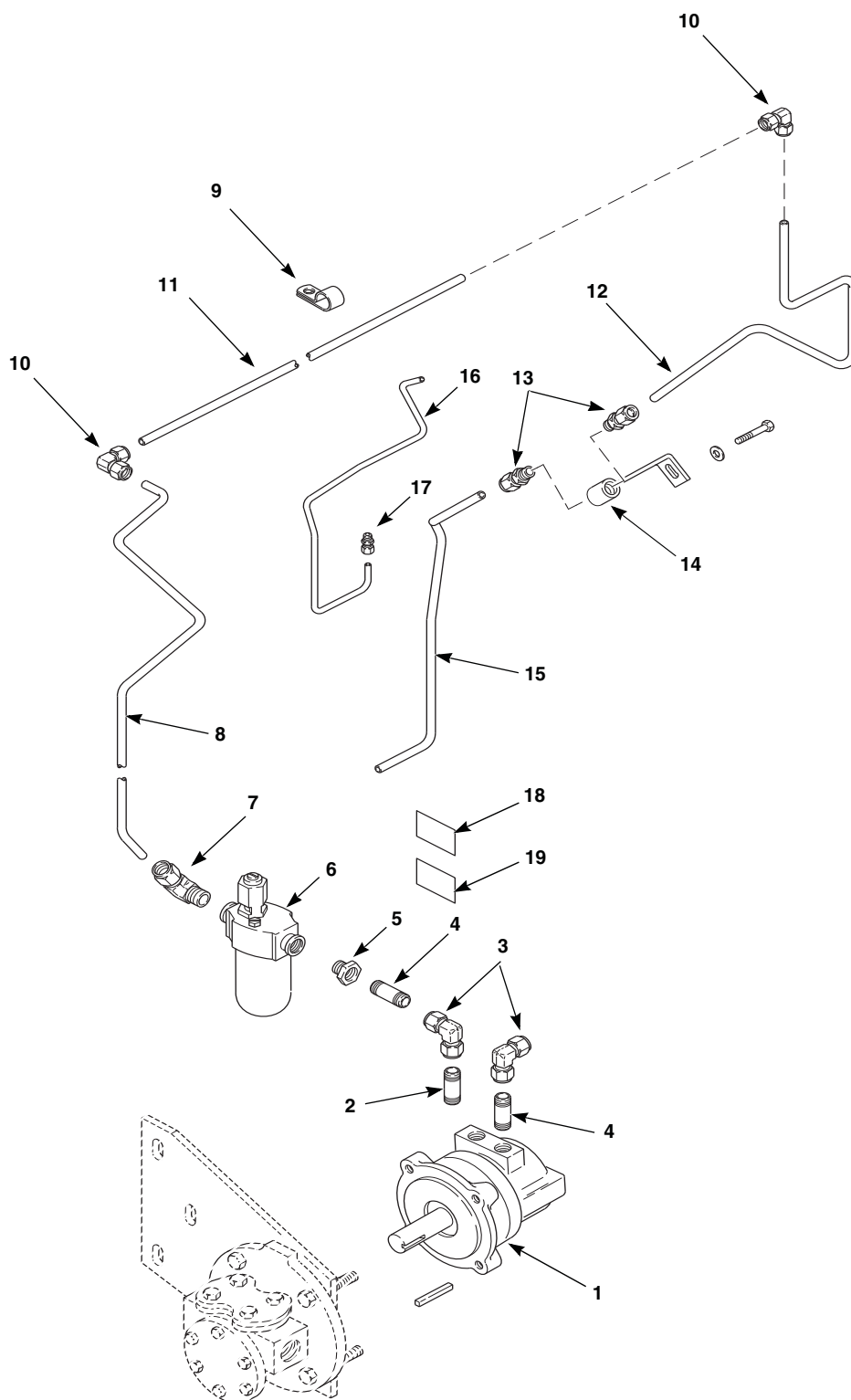
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 68
1	48988H	1	1	1	1	NIPPLE, Pipe, 2" x 2"
2	78208P	1	1	1	1	TEE, Pipe, 2"
3	74113	1	1	1	1	PLUG, Pipe, Square Head, 2"
4	48797M	1	1	1	1	BUSHING, Reducing 2" to 1"
5	154909E	1	1	1	1	NIPPLE, Pipe, 1" x 1-1/2"
6	209927E	1	1	1	1	NIPPLE, Pipe, 1" x 1-3/4"
7	153462P	1	1	1	1	STRAINER, Oil
8	78282F	1	1	1	1	PLUG, Pipe, Square Head, 3/4"
9	199111G	2	2	2	2	ELBOW, Flex
10	211596W	1	1	1	1	TUBE, Oil - Oil Pan to Prelube Pump
11	78204E	1	1	1	1	ELBOW, Pipe, 1" x 90°
12	194769L	1	1	1	1	CONNECTOR, Flex
13	A211416A	1	1	1	1	TUBE, Oil Assembly, Oil Supply
14	177053D	1	1	1	1	VALVE, Check
15	28763	1	1	1	1	SPRING, Wave
16	208473F	1	1	1	1	BRACKET, Prelube Motor
17	208478	1	1	1	1	PUMP, Prelube
18	21052	6	6	6	6	WASHER, Lock, 3/8"
19	21444	3	3	3	3	CAPSCREW, Hex Head, 1/2"-13 x 3-1/2"
20	Y18813K	3	3	3	3	WASHER, Plain, 1/2"
21	21054	3	3	3	3	WASHER, Lock, 1/2"
22	119977	3	3	3	3	SPACER
23	21362	3	3	3	3	CAPSCREW, Hex Head, 3/8"-16 x 2"
24	Y18813H	4	4	4	4	WASHER, Plain, 3/8"
25	21354	1	1	1	1	SCREW, Hex Head, 3/8"-16 x 1-3/8"
26	153127A	1	1	1	1	GASKET, Flange
27	21352	2	2	2	2	SCREW, Hex Head, 3/8"-16 x 1-1/4"

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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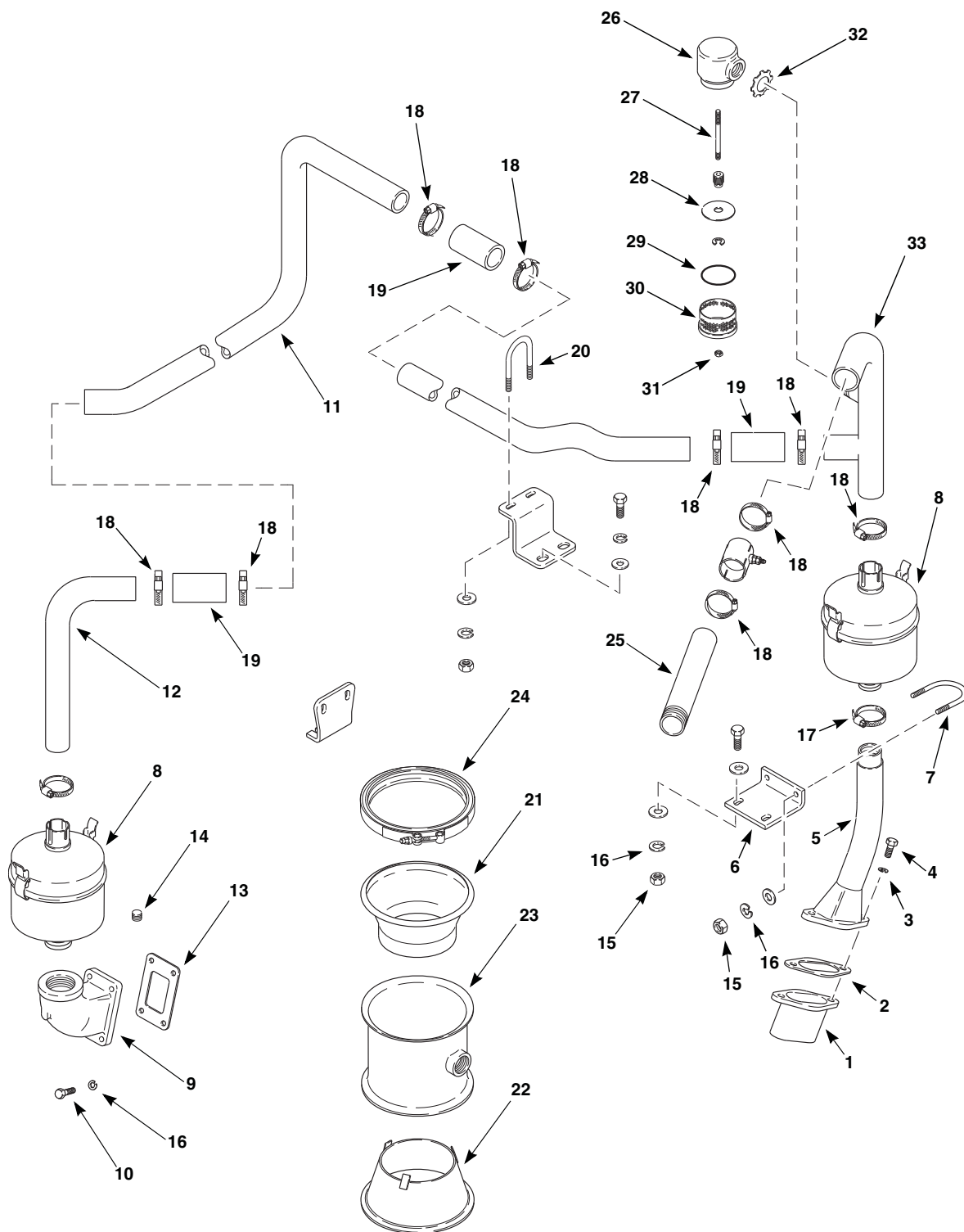
AIR/GAS PRELUBE PUMP MOTOR GROUP 69

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 69
1	208479C	1	1	1	1	MOTOR, Air/Gas
	• 44408B	1	1	1	1	• KEY, Square, 3/16" x 3/16" x 1-5/8"
2	209948A	1	1	1	1	NIPPLE, Pipe, 3/8" x 3"
3	209824E	2	2	2	2	ELBOW, Pipe, 3/8" x 90°
4	209948	2	2	2	2	NIPPLE, Pipe, 3/8" x 1-1/2"
5	78212D	1	1	1	1	BUSHING, Reducing, 1/2" to 3/8"
6	194840H	1	1	1	1	LUBRICATOR, Air Starter
7	199111K	1	1	1	1	ELBOW, Flex
8	214129B	1	1	1	1	TUBE, Air, Air Supply to Air/Gas Motor
9	169013R	4	4	4	4	CLIP, Tube
10	199809B	2	2	2	2	ELBOW, Flex
11	214009Y	1	1	1	1	TUBE, Air, Air Supply to Air/Gas Motor
12	209953J	1	1	1	1	TUBE, Air, Air Supply to Air/Gas Motor
13	194769G	2	2	2	2	CONNECTOR, Flex
14	C208882A	1	1	1	1	BRACKET, Connector
15	209953J	1	1	1	1	TUBE, Air
16	214009R	1	1	1	1	TUBE, Air
17	194769H	1	1	1	1	CONNECTOR, Flex
18	211911	1	1	1	1	LABEL, Warning
19	211910W	1	1	1	1	LABEL, Warning

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070.00 BREATHER

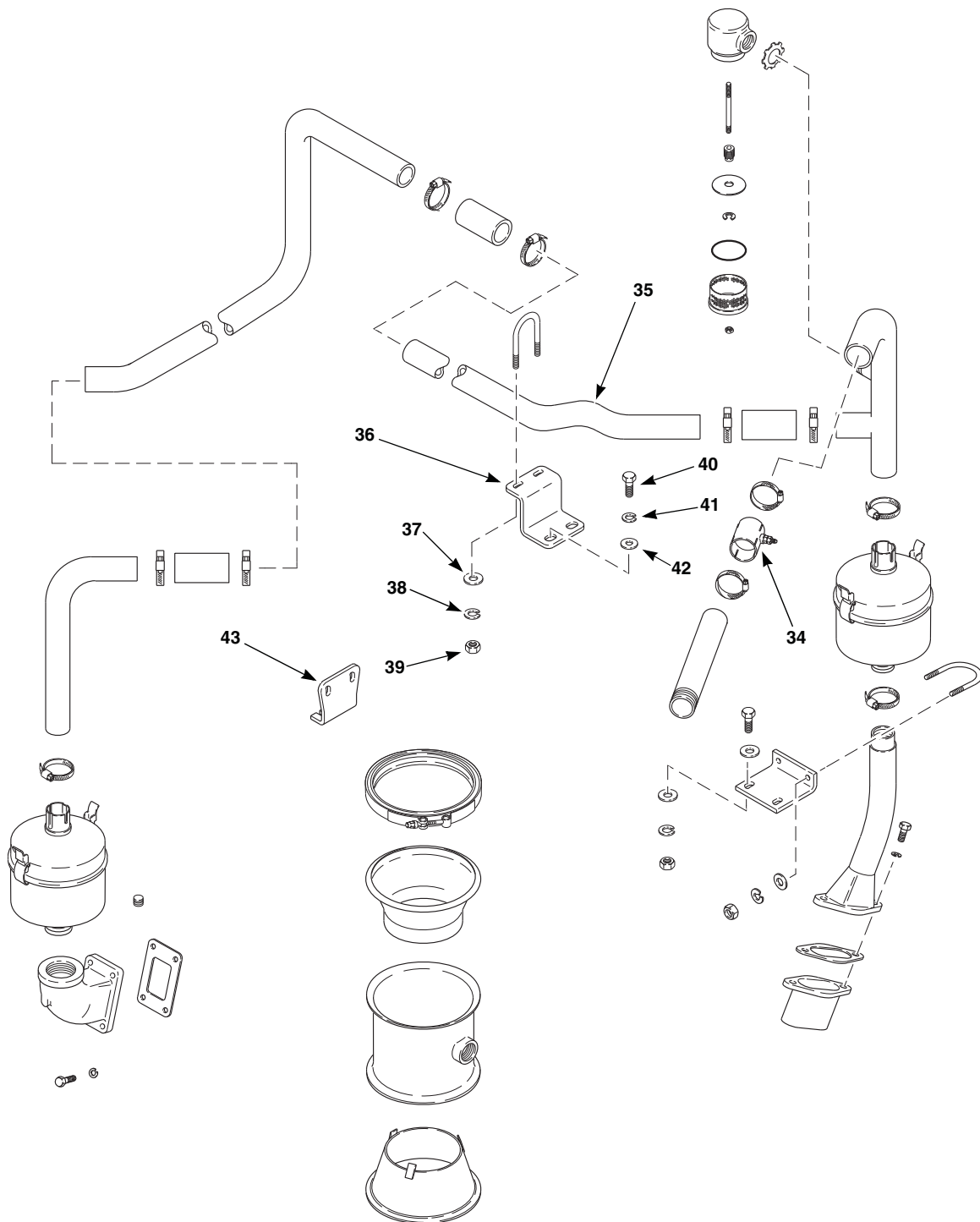
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 70
1	166420B	1	1	1	1	SEPARATOR, Oil
2	168373A	2	2	2	2	GASKET, Breather
3	21052	6	6	6	6	WASHER, Lock, 3/8"
4	28468	2	2	2	2	CAPSCREW, Ferry Head, 3/8"-16 x 1-1/4"
5	B208117	1	1	1	1	TUBE, Oil Separator-Assembly
6	208112G	1	1	1	1	BRACKET, Oil Breather Tube Support
7	169760	1	1	1	1	U-BOLT, 3/8"-16 x 3.12" x 3.88"
8	161541F	2	2		2	BREATHER, Oil
	• 489112	2	2		2	• SCREEN
	• 489113	2	2		2	• FILTER, Foam
9	78204H	1	1		1	ELBOW
10	21354	4	4	1	4	CAPSCREW, 3/8"-16 x 1-3/8"
11	214100J	1	1		1	TUBE, Breather, Front, Intermediate
	211761T			1		TUBE, Breather, Front, Intermediate
12	214100K	1	1	1	1	TUBE, Separator, Outlet, Front
13	153376A	12	1		1	GASKET
14	26750	2	2	2	2	PLUG, Pipe, Hex Head, 1/4"
15	21189	4	4	4	4	NUT, Hex, 3/8"-16
16	21052	4	4		4	WASHER, Lock, 3/8"
17	41236A	1	1		1	CLAMP, Hose, 3" - 4"
18	41236C	12	12	12	12	CLAMP, Hose, 1-1/2" - 2-1/2"
19	20751J	2	2	2	2	HOSE, 21" x 2-3/8" x 3-1/2"
20	154813N	2	2	2	2	U-BOLT, 0.31"-16 x 2.25" x 3.12"
21	166415	1	1		1	VENTURI, Upper
22	166416	1	1		1	VENTURI, Lower-Assembly
23	A166417	1	1		1	BODY, Venturi-Assembly
24	168334E	1	1		1	COUPLING, V-Band
25	J169122	1	1		1	TUBE, Breather-Assembly
	A166990E	1	1		1	REGULATOR, Vacuum-Assembly
26	• 166990E	1	1		1	• BODY, Regulator
27	• 166991A	1	1	1	1	• ROD, Regulator Valve
28	• A166993E	1	1	1	1	• VALVE, Assembly
29	• 118013K	1	1	1	1	• O-RING, Regulator Valve
30	• 166992A	1	1		1	• SCREEN, Regulator
31	• 177381A	1	1		1	• NUT, Lock, Elastic Stop, 5/16"
32	Y18610	1	1		1	LOCKNUT, Conduit, 1-1/4"
33	F208114A	1	1		1	TUBE, Breather-Assembly

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PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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070.01 BREATHER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 70 (continued)
34	AC208796	1	1		1	TUBE, Vacuum Assembly
	• C208796	1	1		1	• TUBE, Vacuum Valve
	• 208888A	1	1		1	• SCREW, Adjusting
	• 208889A	1	1		1	• VALVE, Adjusting
	• 26941	2	2		2	• PIN, Roll, 3/32" x 1-1/2"
	• B2747	1	1		1	• WASHER, Plain, Copper, 3/8"
	• 21193	1	1		1	• NUT, Hex, 3/8"
	• Y18813H	1	1		1	• WASHER, Flat, 3/8"
35	211761D	1	1		1	TUBE, Breather
36	211990	2	2	1	2	BRACKET, Breather Tube, Support
37	B277	4	4	2	4	WASHER, 5/16"
38	21051	4	4	2	4	WASHER, Lock 5/16"
39	21181	4	4	2	4	NUT, Hex, 5/16"-18
40	21425	4	4	2	4	CAPSCREW, 1/2"-13 x 1"
41	21054	4	4	2	4	WASHER, Lock, 1/2"
42	Y18813K	4	4	2	4	WASHER, 1/2"
43	209492E	1	1		1	BRACKET, Tube Support

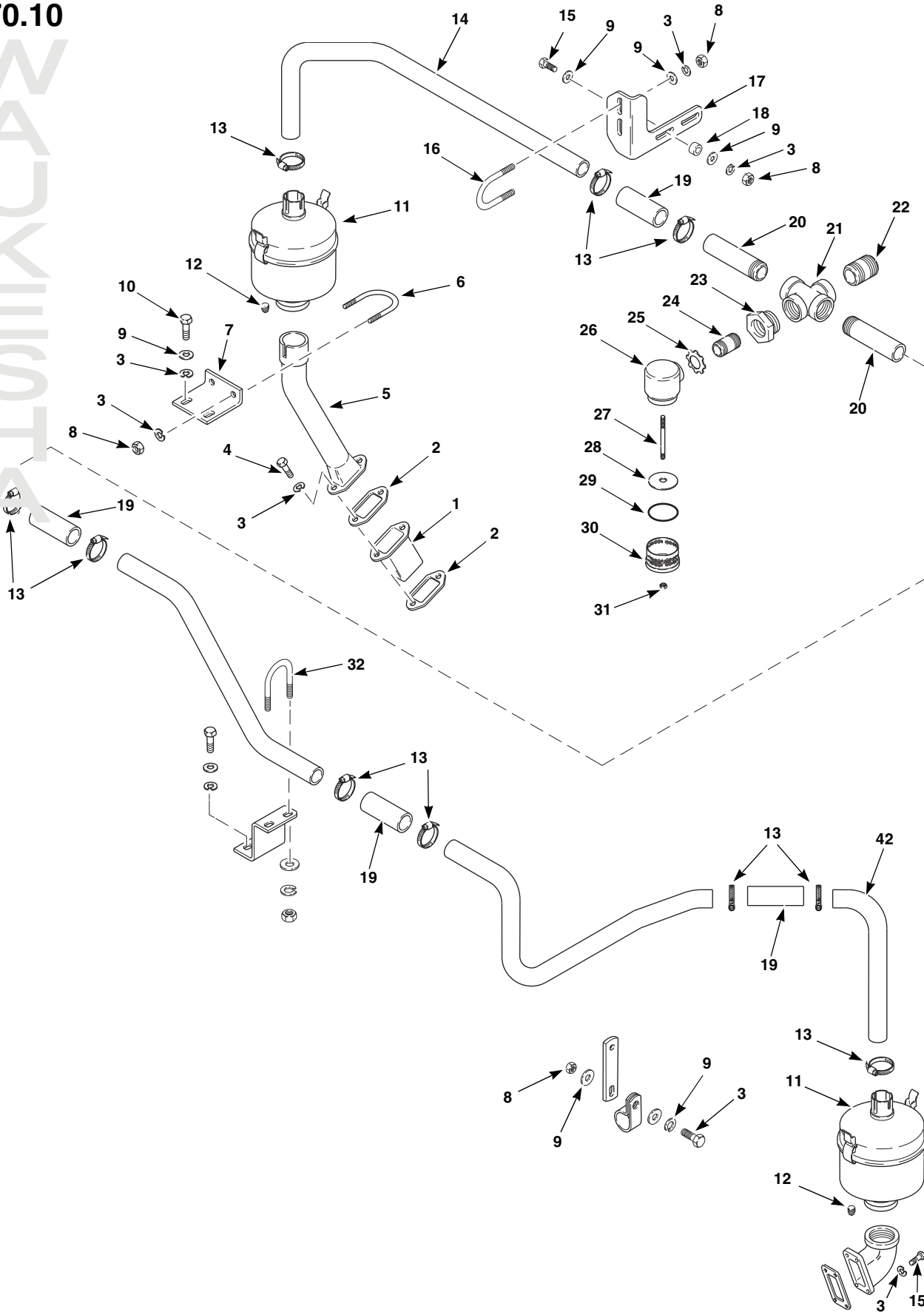
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070.10 BREATHER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 70
1	166420B			1		SEPARATOR, Oil Screen
2	168373A			2		GASKET, Breather
3	21052			11		WASHER, Lock, 3/8"
4	28468			2		CAPSCREW, Ferry Head, 3/8"-16 x 1-1/4"
5	B208117			1		TUBE, Oil Separator-Assembly
6	169760			1		U-BOLT, 3/8"-16 x3-1/8" x 3-7/8"
7	208112G			1		BRACKET, Oil Breather Tube Support
8	21189			4		NUT, Hex, 3/8"-16
9	Y18813H			6		WASHER, Flat, 3/8"
10	21350			2		CAPSCREW, 3/8"-16 x 1-1/8"
11	161541F			2		BREATHER, Oil
	• 489112			2		• SCREEN
	• 489113			2		• FILTER, Foam
12	26750			2		PLUG, Pipe, Hex Head, 1/4"
13	41236C			6		CLAMP, Hose, 1.56" - 2-1/2"
14	211761S			1		TUBE, Breather, Rear
15	21354			6		CAPSCREW, 3/8"-16 x 1-3/8"
16	214066			1		U-BOLT, 3/8"-16 x 2-3/4" x 1"
17	209492G			1		BRACKET, Breather Support
18	119977			3		SPACER
19	20751J			3		HOSE, 2" ID x 2-3/8" OD x 3-1/2"
20	101023Y			2		PIPE, 1-1/2" x 7-1/2"TOE
21	63722K			1		CROSS, 1-1/2" NPT
22	161694C			1		PIPE, 1-1/2" x 2" TBE
23	48797L			1		BUSHING, Reducing, 1-1/2" - 1"
24	154909F			1		PIPE, 1" x 2" TBE
25	Y19108			1		LOCKNUT, Conduit, 1"
	A166990D			1		REGULATOR, Vacuum-Assembly
26	• 166990D			1		• HOUSING, Vacuum Regulator
27	• 166991A			1		• ROD, Vacuum Regulator
28	• A166993E			1		• VALVE, Vacuum Regulator-Assembly
29	• 118013K			1		• O-RING, 2-1/2" x 2-7/8" x 1/8"
30	• 166992A			1		• SCREEN, Vacuum Regulator
31	• 177381A			1		• NUT, Elastic Stop, 3/8"-24
32	154813W			1		U-BOLT

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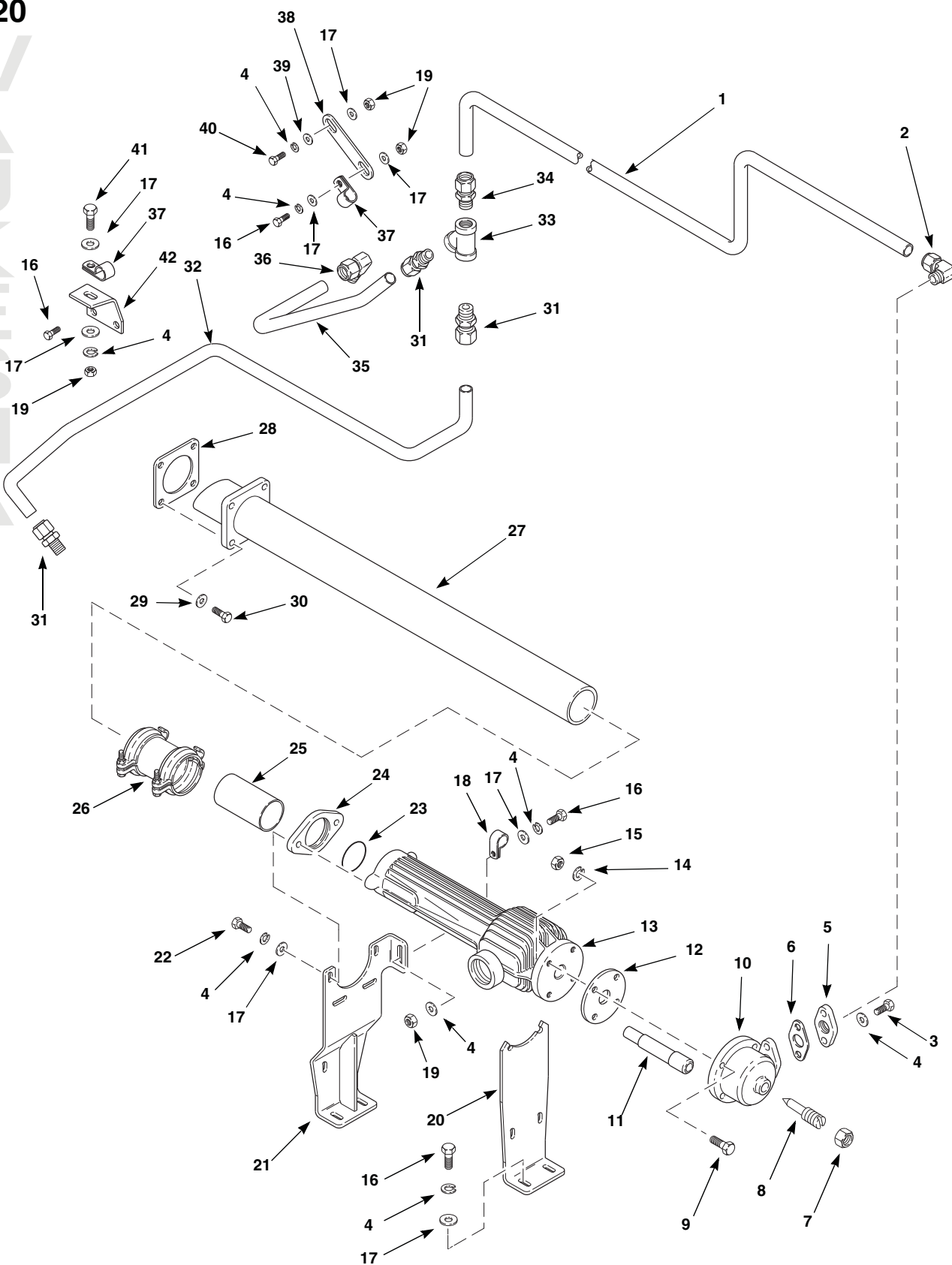
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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EXTRACTOR BREATHER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 70
1	211629K			1		TUBE, Air Supply To Extractor
2	199111F			1		ELBOW, Male, 7/8" x 3/4" NPT
3	21352			2		CAPSCREW, 3/8"-16 x 1-1/4"
4	21052			13		WASHER, Lock, 3/8"
5	63378E			1		FLANGE
6	194681			1		GASKET
	H169995A			1		EXTRACTOR, Venturi-Assembly
7	• 28612			2		• NUT, Hex, Stainless Steel, 3/4"-16
8	• 207735			1		• VALVE, Choke
9	• 21360			2		• CAPSCREW, Hex Head, 3/8"-16 x 1-3/4"
10	• 169996B			1		• HOUSING, Pressure
11	• 169997C			1		• NOZZLE, Venturi
12	• 169998A			1		• GASKET, Venturi
13	• 169995A			1		• EXTRACTOR, Venturi
14	• 21052			8		• WASHER, Lock, 3/8"
15	• 21189			2		• NUT, Hex, 3/8"-16
16	21348			6		CAPSCREW, 3/8"-16 x 1"
17	Y18813H			10		WASHER, Flat, 3/8"
18	207313Y			1		CLIP, 0.88" x 3/8"
19	21189			5		NUT, Hex, 3/8"-16
20	209491E			1		BRACKET, Extractor, Front
21	209492F			1		BRACKET, Extractor, Rear
22	21362			4		CAPSCREW, 3/8"-16 x 2"
23	166580J			1		O-RING
24	199287			1		FLANGE
25	116530			1		TUBE, 3"
26	169847C			1		COUPLING, Flexmaster 3"
	• 494503			2		• GASKET, 3"
27	A211200B			1		TUBE, Extractor, Assembly
28	151282B			1		GASKET, Air Discharge
29	28415			4		WASHER, Lock, 1/2"Stainless Steel
30	28362			4		CAPSCREW, 1/2"-13 x 1-1/4"
31	194769P			3		CONNECTOR, Male, 3/4" x 3/4"
32	214055B			1		TUBE, Air Supply, RB
33	209683			1		FITTING, 45" Y, 3/4"
34	194769K			1		CONNECTOR, Male, 0.88" x 3/4"
35	209749U			1		TUBE, Air Supply, LB
36	199111M			1		ELBOW, Male, 3/4" x 3/4"
37	207313U			2		CLIP, 3/4" x 3/8"
38	214073			1		BRACKET, Support
39	Y11813K			1		WASHER, Flat, 1/2"
40	21360			1		CAPSCREW, 3/8"-16 x 1-3/4"
41	21346			1		CAPSCREW, 3/8"-16 x 7/8"
42	209492G			1		BRACKET, Tube, Support

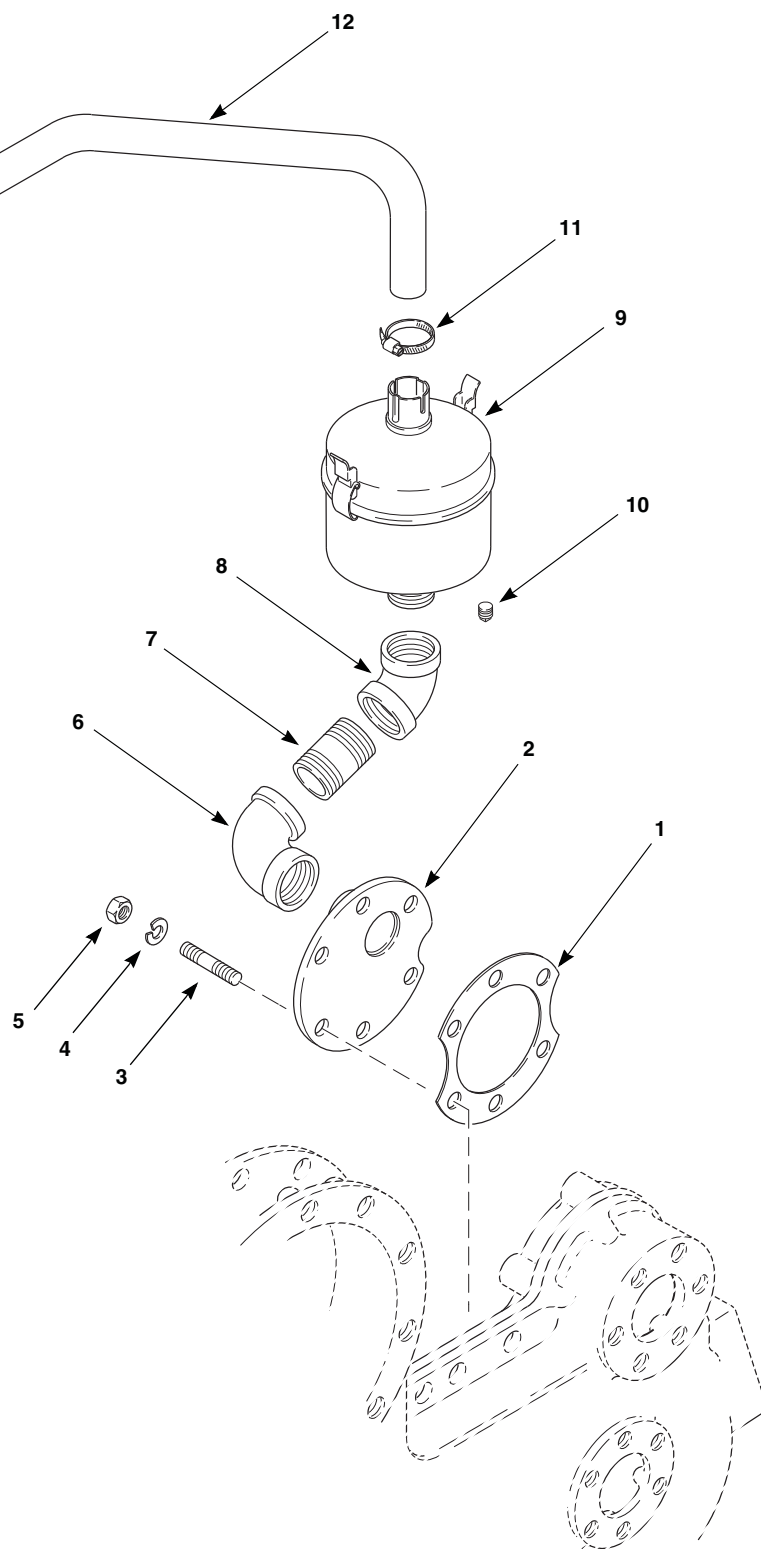
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BREATHER, REAR OF GEAR HOUSING

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 70
1	153176C	1	1	1	1	GASKET
2	A214100H	1	1	1	1	BREATHER TUBE-Assembly
3	B2984	6	6	6	6	STUD, 1/2"-20 x 1-15/16"
4	21054	6	6	6	6	WASHER, Lock, 1/2"
5	21209	6	6	6	6	NUT, Hex, 1/2"-20
6	78204H	1	1	1	1	ELBOW, Pipe, 90°, 2" NPT
7	48988H	1	1	1	1	PIPE, 2" NPT x 3" TBE
8	74176	1	1	1	1	ELBOW, Pipe, 45°, 2" NPT
9	161541F	1	1	1	1	SEPERATOR, Oil
	• 489112	1	1	1	1	• SCREEN
	• 489113	1	1	1	1	• FILTER, Foam
10	26750	1	1	1	1	PLUG, 1/4" NPT
11	41236C	1	1	1	1	CLAMP, Hose
12	214100K	1	1	1	1	TUBE, Breather, Front

NOTE: Use this oil seperator mounting along with engine mounted Microspin Centrifuge

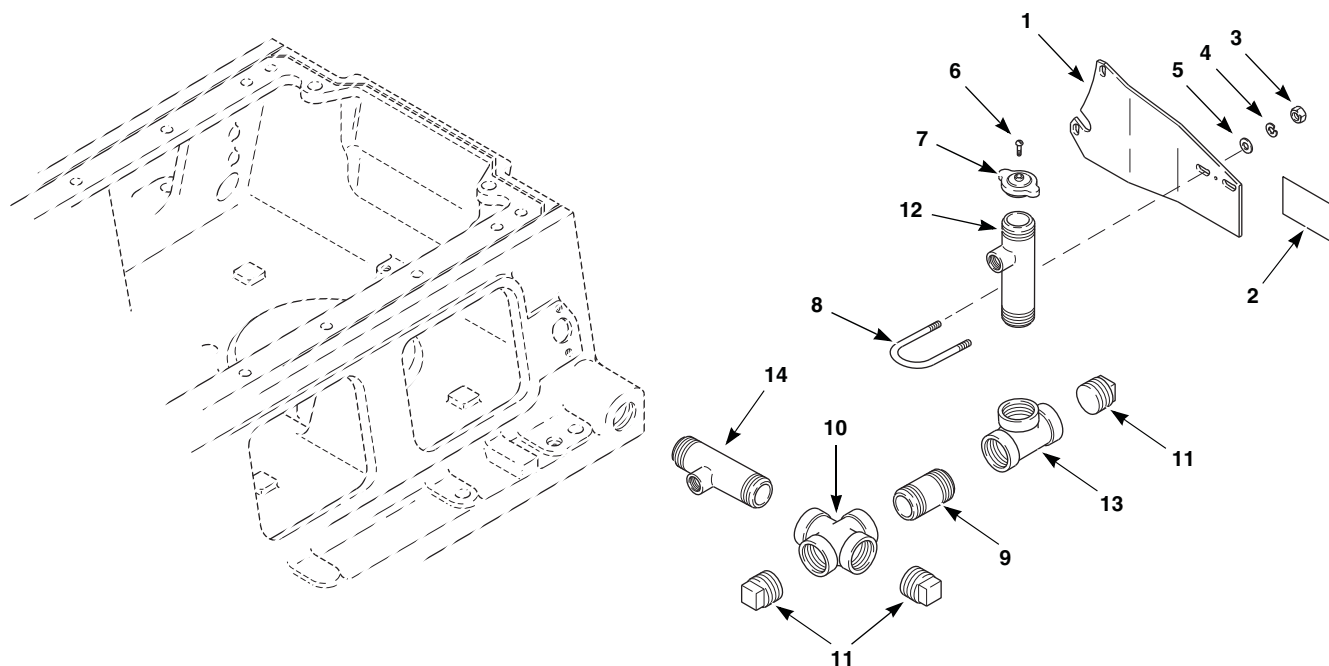
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OIL FILLER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 71
1	207066D	1	1	1	1	BRACKET, Oil Filler Pipe
2	209418B	1	1	1	1	DECAL, Instruction
3	21189	2	2	2	2	NUT, Hex, 3/8"
4	21052	2	2	2	2	WASHER, Lock, 3/8"
5	Y18813H	2	2	2	2	WASHER, Flat, 3/8"
6	21108	1	1	1	1	SCREW, Machine, Round Head, No. 10-32 x 3/8"
7	168597	1	1	1	1	CAP, Oil Filler
8	954313	1	1	1	1	U-BOLT
9	48988H	1	1	1	1	NIPPLE, Pipe, 2, x 2"
10	63722M	1	1	1	1	CROSS, Pipe, 2"
11	74113	3	3	3	3	PLUG, Pipe, Square Head, 2"
12	A76883A	1	1	1	1	NIPPLE, Pipe, 2" x 9"
13	78208P	1	1	1	1	TEE, Pipe, 2"
14	F76883A	1	1	1	1	TEE, Pipe, 2"

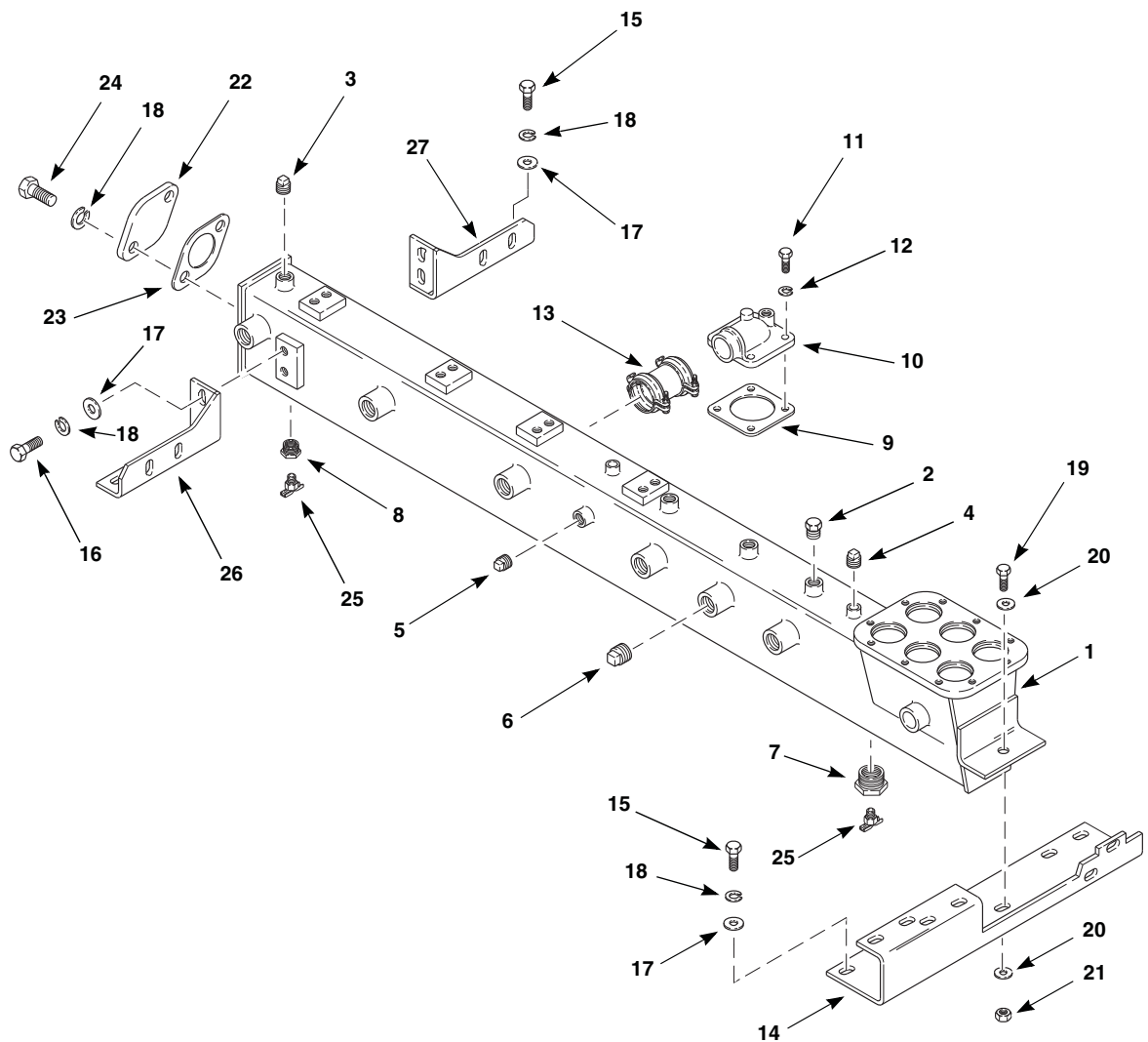
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WATER MANIFOLD

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 77
1	J204677	1	1	1	1	MANIFOLD, Water
2	• 78282F	3	3	3	3	• PLUG, Pipe, Square Head, 3/4"
3	• 78282J	1	1	1	1	• PLUG, Pipe, Square Head, 1-1/2"
4	• 26750	1	1	1	1	• PLUG, Pipe, Hex Head, 1/2"
5	• 28677	3	3	3	3	• PLUG, Pipe, Hex Head, 1/2"
6	• 78282H	2	2	2	2	• PLUG, Pipe, Square Head, 1-1/4"
7	• 168681K	1	1	1	1	• BUSHING, Reducing, 2" to 3/8"
8	• B6280	1	1	1	1	• BUSHING, Reducing, 3/4" to 3/8"
9	176586	12	12	12	12	GASKET, Water Outlet Elbow
10	208936	12	12	12	12	ELBOW, Water Outlet
11	21350	48	48	48	48	CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"
12	21052	48	48	48	48	WASHER, Lock, 3/8"
13	208706T	12	12	12	12	COUPLING, Flexmaster
	• 494383	24	24	24	24	• GASKET (Marked With Blue Dot)
14	208938J	1	1	1	1	BRACKET, Support, Front
15	21425	8	8	8	8	CAPSCREW, Hex Head, 1/2"-13 x 1"
16	21428	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 1-1/4"
17	Y18813K	12	12	12	12	WASHER, Plain, 1/2"
18	21054	14	14	14	14	WASHER, Lock, 1/2"
19	28785	1	1	1	1	SCREW, Shoulder, 1/2"-13"
20	169576B	2	2	2	2	WASHER, Belleville, 1/2"
21	26932	1	1	1	1	NUT, Flex Loc, 1/2"-13"
22	208952	1	1	1	1	PLATE, Cover
23	48593	1	1	1	1	GASKET, Cover Plate
24	21423	2	2	2	2	CAPSCREW, Hex Head, 1/2"-13 x 7/8"
25	73413A	2	2	2	2	COCK, Drain, 3/8"
26	208938D	1	1	1	1	BRACKET, Support, Right Rear
27	208938F	1	1	1	1	BRACKET, Support, Left Rear

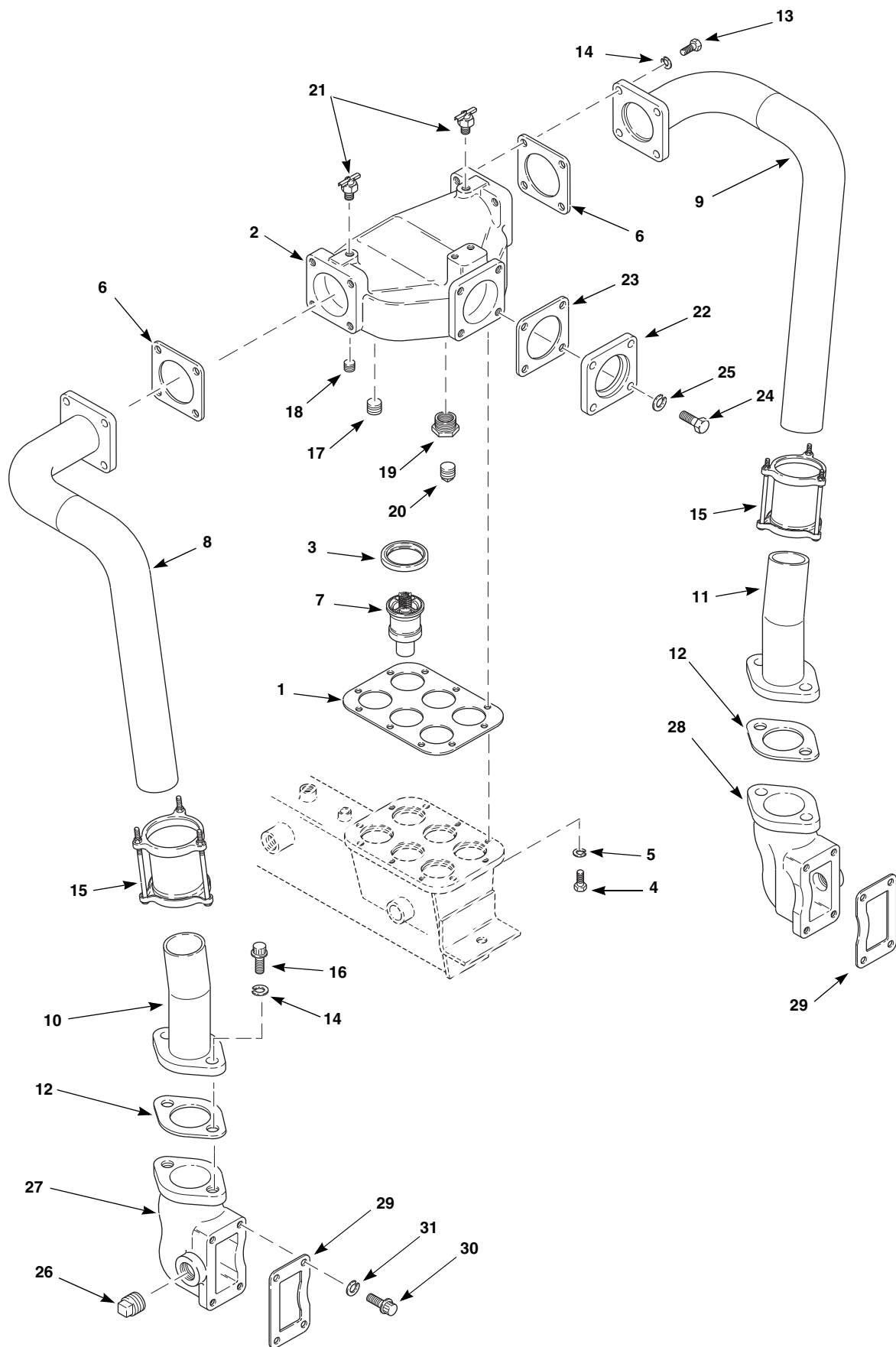
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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JACKET WATER THERMOSTAT HOUSING GROUPS 78, 21, 60

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 78
1	208939	1	1	1	1	GASKET, Cluster Thermostat Housing
2	A204478	1	1	1	1	HOUSING, Cluster Thermostat
3	• 153610	6	6	6	6	• SEAL, Thermostat
4	21350	10	10	10	10	CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"
5	21052	10	10	10	10	WASHER, Lock, 3/8"
6	208943	2	2	2	2	GASKET, Upper Bypass Tube
7	211887A	1	1	1	1	THERMOSTAT, 165° F (74° C), Standard
	211887B	5	5	5	5	THERMOSTAT, 170° F (77° C), Standard
8	208816L	1	1	1	1	TUBE, Upper Bypass Tube, RB
9	208816M	1	1	1	1	TUBE, Upper Bypass Tube, LB
10	208816N	1	1	1	1	TUBE, Lower Bypass, RB
11	208816P	1	1	1	1	TUBE, Lower Bypass, LB
12	167392	2	2	2	2	GASKET, Lower Bypass Tube
13	21428	8	8	8	8	CAPSCREW, Hex Head, 1/2"-13 x 1-1/4"
14	21054	12	12	12	12	WASHER, Lock, 1/2"
15	159991	2	2	2	2	COUPLING, 3"
	• 499706	4	4	4	4	• GASKET, Coupling
16	28253	4	4	4	4	CAPSCREW, Ferryhead, 1/2"-13 x 1-1/2"
17	78283J	4	4	4	4	PLUG, Pipe, Socket Head, 1/2"
18	26743	1	1	1	1	PLUG, Pipe, Hex Head, 1/8"
19	48797Z	1	1	1	1	BUSHING, Reducing, Galvanized, 1/2" to 3/8"
20	78282D	1	1	1	1	PLUG, Pipe, Square Head, 3/8"
21	73413A	2	2	2	2	COCK, Vent, 3/8"
						GROUP 21
22	208949B	1	1	1	1	FLANGE, Water Outlet
23	208943	1	1	1	1	GASKET, Water Outlet Flange
24	21431	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
25	21054	4	4	4	4	WASHER, Lock, 1/2"
						GROUP 60
26	78282H	2	2	2	2	PLUG, Pipe, Square Head, 1-1/4"
27	167424	1	1	1	1	ELBOW, Water Bypass, RB
28	167425	1	1	1	1	ELBOW, Water Bypass, LB
29	167409	2	2	2	2	GASKET, Bypass Elbow
30	28269	8	8	8	8	CAPSCREW, Ferry Head, 3/8"-16 x 1"
31	21052	8	8	8	8	WASHER, Lock, 3/8"

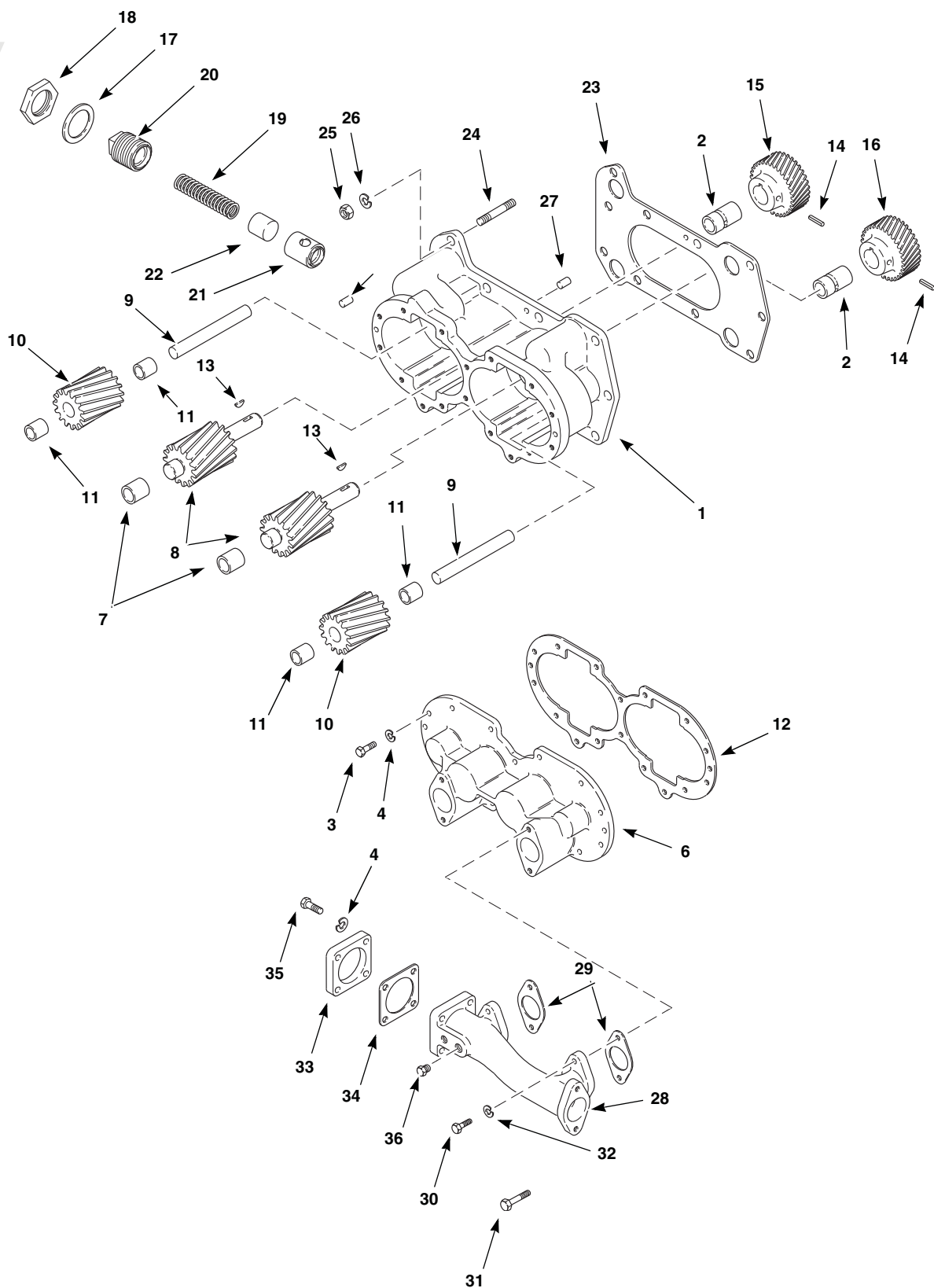
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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080.00 OIL PUMP

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 80
	AA200380	1	1	1	1	PUMP, Oil-Assembly
	• A200380	1	1	1	1	• PUMP, Oil-Assembly
1	•• 200380	1	1	1	1	•• BODY, Oil Pump
2	••• 63970D	2	2	2	2	••• BUSHING, Oil Pump Body
3	•• 21350	14	14	14	14	•• CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"
4	•• 21052	14	14	14	14	•• WASHER, Lock, 3/8"
5	•• 26807	2	2	2	2	•• PIN, Roll, 3/8" x 13/16"
6	•• X200282E	1	1	1	1	•• COVER, Oil Pump
7	••• 117496B	2	2	2	2	••• BUSHING, Oil Pump Cover
8	•• A200184C	2	2	2	2	•• GEAR, Oil Pump Driven-Assembly
9	•• 200083B	2	2	2	2	•• SHAFT, Idler Gear
10	•• A200185B	2	2	2	2	•• GEAR, Oil Pump Idler
11	••• 153053	4	4	4	4	••• BUSHING, Idler Gear
12	•• 153050D	1	1	1	1	•• GASKET, Oil Pump Cover
13	•• 21013	2	2	2	2	•• KEY, Woodruff, No. 16
14	•• 26734	2	2	2	2	•• PIN, Roll, 1/4" x 2-1/4"
15	•• 200251C	1	1	1	1	•• GEAR, Oil Pump Drive
16	•• 200351A	1	1	1	1	•• GEAR, Oil Pump Drive
17	• 199083C	1	1	1	1	• WASHER, Relief Valve
18	• 153058	1	1	1	1	• NUT, Lock, Relief Valve
19	• 27261P	1	1	1	1	• SPRING, Relief Valve
20	• 156305B	1	1	1	1	• SCREW, Relief Valve Sleeve
21	• 156304	1	1	1	1	• SLEEVE, Relief Valve
22	• 156303	1	1	1	1	• PLUNGER, Relief Valve
23	153061B	1	1	1	1	GASKET, Oil Pump
24	B2984	10	10	10	10	STUD, Oil Pump
25	21209	10	10	10	10	NUT, Hex, 1/2"-20
26	21054	10	10	10	10	WASHER, Lock, 1/2"
27	B2223	2	2	2	2	PIN, Dowel
28	211514	1	1	1	1	MANIFOLD, Oil Pump
29	153127A	2	2	2	2	GASKET, Flange
30	21352	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 1-1/4"
31	21371	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 3-1/2"
32	21052	4	4	4	4	WASHER, Lock, 3/8"
33	211565A	1	1	1	1	FLANGE
34	208601A	1	1	1	1	GASKET
35	21431	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 1-1/2"
36	28677	2	2	2	2	PLUG, Pipe, Hex Head, 1/2"
						SERVICE REPAIR KITS
	G-980-152	1	1	1	1	Oil Pump Repair Kit (Oil Pump Assembly AA200380)

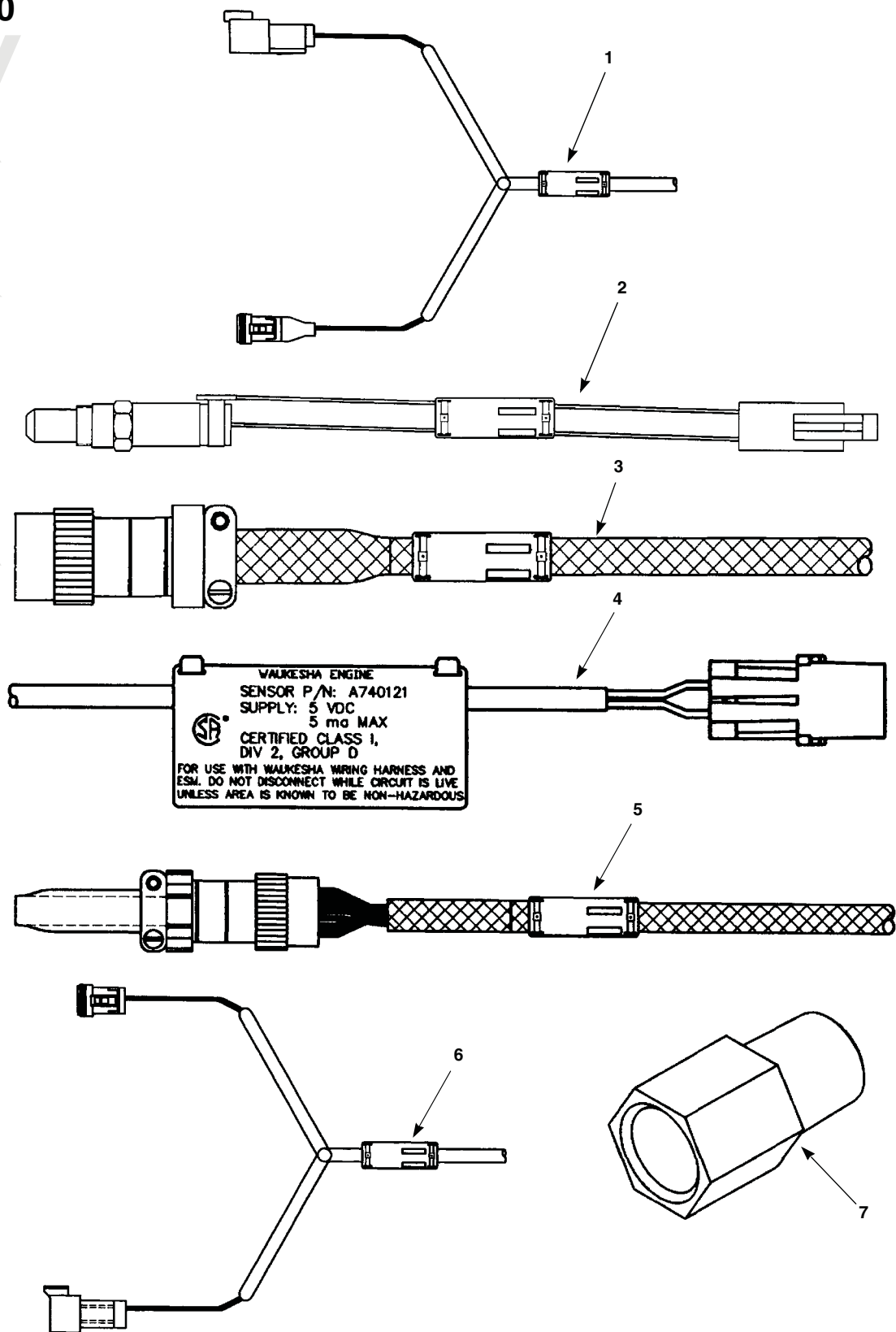
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085.00
AIR/FUEL MODULE

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 85
1	A740298		1		1	HARNESS, Oxygen Sensor
2	A740106D		2		2	SENSOR Assembly, Exhaust Oxygen
3	AA740295		1		1	HARNESS, CAN, Stepper Motor
4	AA740121		2		2	SENSOR, Temperature
5	A740262B		1		1	HARNESS, ESM, Stepper Motor
6	A740297		1		1	HARNESS, Exhaust Temperature Sensor
7	740122C		2		2	ADAPTER, RTD

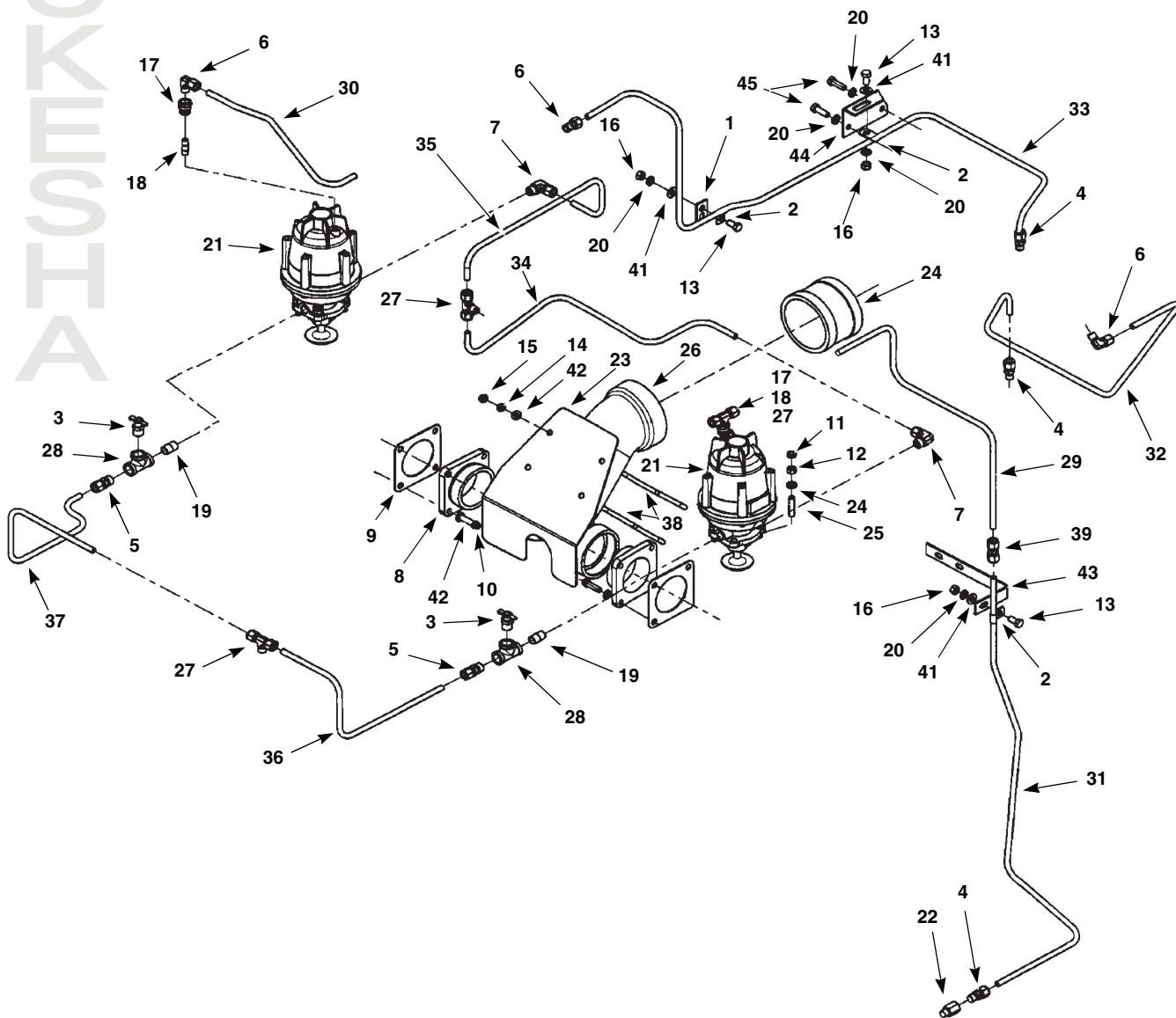
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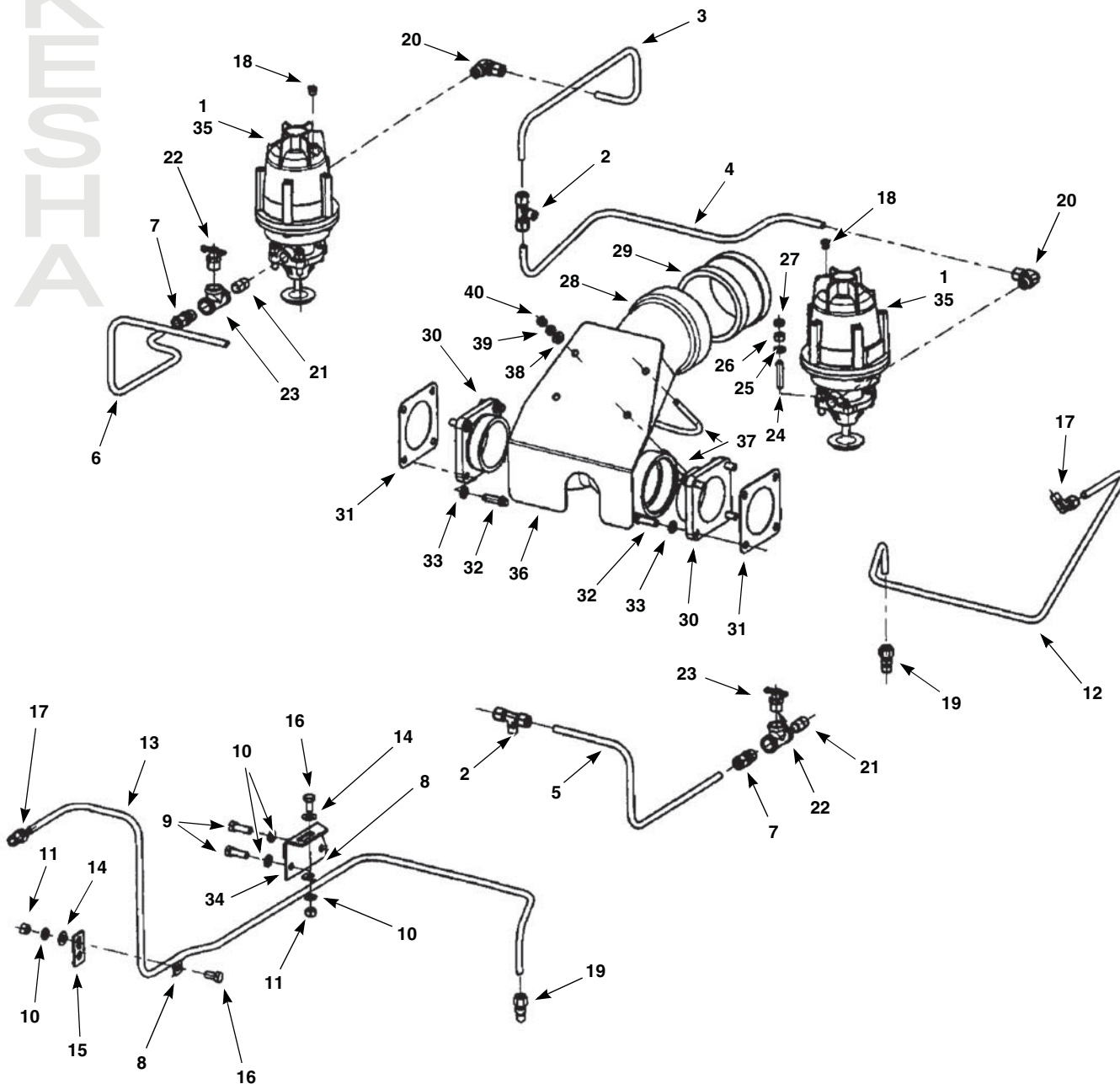
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WASTEGATE AND CONNECTIONS – L5794 GSI

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 93
1	168847F		1			SUPPORT, Clip
2	169013K		3			CLIP, Tube
3	73413A		2			COCK, Drain
4	194769		3			CONNECTOR, Male, 3/8" x 1/4" NPT
5	194769A		2			CONNECTOR, Male, 3/8" x 3/8" NPT
6	199111B		3			ELBOW, Male, 3/8" x 1/4" NPT
7	199111C		2			ELBOW, Male, 3/8" x 3/8" NPT
8	207828		2			FLANGE, Exhaust Bypass
9	209424		2			GASKET, Exhaust
10	28799		8			CAPSCREW, Ferryhead, 3/8"-16 x 1-1/4"
11	26943		8			NUT, Hex Jam, 3/8"-24
12	28311		8			NUT, Hex, Stainless Steel, 3/8"-24
13	21343		3			CAPSCREW, Hex Head, 3/8"-16 x 3/4"
14	21051		4			WASHER, Lock, 5/16"
15	21181		4			NUT, Hex
16	21189		3			NUT, Hex
17	78211A		2			COUPLING, Reducing
18	65110Z		2			PIPE, 1/8"
19	118566X		2			PIPE, 3/8"
20	21052		5			WASHER, Lock, 3/8"
21	295645T		2			REGULATOR, Bypass, Wastegate
22	214071B		1			RESTRICTOR
23	211954		1			SHIELD, Heat, Exhaust Tee Bypass
24	207829		1			SLEEVE, Exhaust Bypass
25	159364C		8			STUD
26	207825		1			TEE, Exhaust Bypass
27	199109B		3			TEE, Male Branch
28	782088		2			TEE, Pipe
29	214067B		1			TUBE, Wastegate to Accumulator
30	214067G		1			TUBE, Wastegate to Wastegate
31	214188C		1			TUBE, Wastegate Vent
32	214067T		1			TUBE, Wastegate Pressure, LB
33	214067S		1			TUBE, Wastegate Pressure, RB
34	214067M		1			TUBE, Wastegate Water In, LB
35	214067P		1			TUBE, Wastegate Water In, LB
36	214067R		1			TUBE, Wastegate Water Out, LB
37	214067V		1			TUBE, Wastegate Water Out, RB
38	154813T		2			U-BOLT
39	199108C		1			UNION, Tube
40	B277		4			WASHER, Flat, 5/16"
41	Y18813H		3			WASHER, Flat, 3/8"
42	28357		16			WASHER, Flat, Stainless Steel
43	211755U		1			BRACE, Tube
44	209493		1			BRACKT, Tube Support
45	21350		2			CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"

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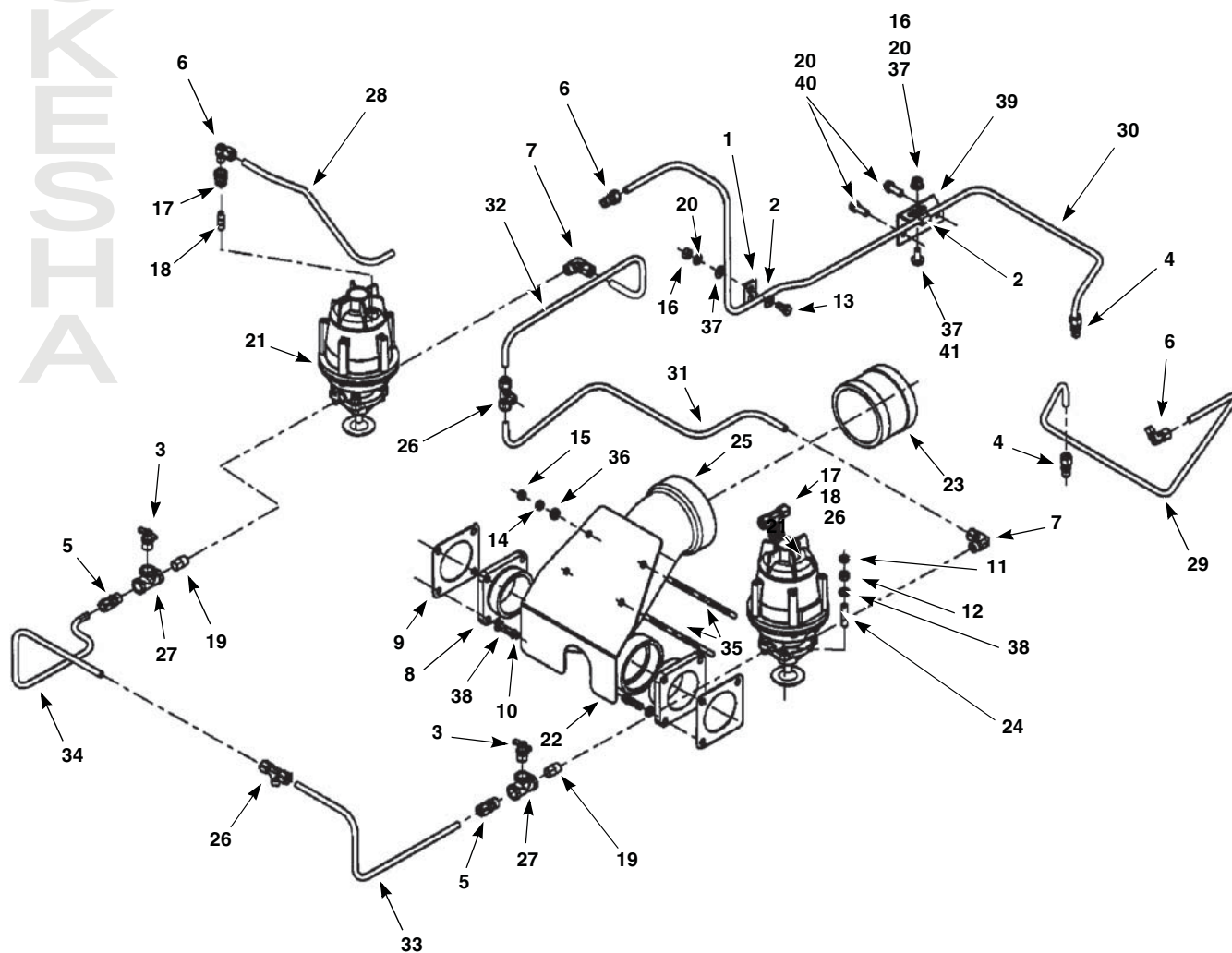
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WASTEGATE AND CONNECTIONS – L7044 GSI

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 93
1	295645L				2	REGULATOR, Bypass Wastegate
2	199109B				2	TEE, 3/8" x 1-1/4" NPT
3	214067P				1	TUBE, Wastegate Water inlet, RB
4	214067M				1	TUBE, Wastegate Water Inlet, LB
5	214067R				1	TUBE, Wastegate Water Outlet, LB
6	214067V				1	TUBE, Wastegate Water Outlet, RB
7	194769A				2	CONNECTOR, Male, 3/8" x 3/8" NPT
8	169013K				2	CLIP
9	21350				2	CAPSCREW, Hex Head, 3/8"-16 x 1-1/8"
10	21052				4	WASHER, Lock, 3/8"
11	21189				2	NUT, Hex, 3/8"-16
12	214067T				1	TUBE, Wastegate Pressure, LB
13	214067S				1	TUBE, Wastegate Pressure, RB
14	Y18813H				2	WASHER, Flat, 3/8"
15	168847F				1	SUPPORT, Clip
16	21343				2	CAPSCREW, Hex Head, 3/8"-16 x 3/4"
17	199111B				2	ELBOW, Male, 3/8" x 1-1/4" NPT
18	161405				2	VENT, Breather
19	194769				2	CONNECTOR, Male, 3/8" x 1-1/4" NPT
20	199111C				2	ELBOW, Male, 3/8" x 3/8" NPT
21	118566X				2	PIPE, 3/8" x 1"
22	73413A				2	COCK, Drain, 3/8"
23	782088				2	TEE, Pipe, 3/8"
24	159364C				8	STUD, Stainless Steel, 3/8" x 1-3/4"
25	28357				8	WASHER, Stainless Steel, 3/8"
26	28311				8	NUT, Hex, Stainless Steel, 3/8"-24
27	26943				8	NUT, Hex Jam, Stainless Steel, 3/8"-24
28	207825				1	TEE, Exhaust Bypass
29	207829				1	SLEEVE, Exhaust Bypass
30	207828				2	FLANGE, Exhaust Bypass
31	209424				2	GASKET, Exhaust
32	28799				8	CAPSCREW, Ferryhead, 3/8"-16 x 1-1/4"
33	28357				8	WASHER, Stainless Steel, 3/8"
34	209493				1	BRACKET, Tube Support
35	295645P				2	REGULATOR, Bypass Wastegate
36	211954				1	SHIELD, Heat, Exhaust Tee Bypass
37	154813T				2	U-BOLT
38	B277				4	WASHER, Flat, 5/16"
39	21051				4	WASHER, Lock, 5/16"
40	21181				4	NUT, Hex, 5/16"-18

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.





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WASTEGATE AND CONNECTIONS – L5774 LT

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 93
1	168847F	1				SUPPORT, Clip
2	169013K	2				CLIP, Tube
3	73413A	2				COCK, Drain
4	194769	2				CONNECTOR, Male, 3/8" x 1/4" NPT
5	194769A	2				CONNECTOR, Male, 3/8" x 3/8" NPT
6	199111B	3				ELBOW, Male, 3/8" x 1/4" NPT
7	199111C	2				ELBOW, Male, 3/8" x 3/8" NPT
8	207828	2				FLANGE, Exhaust Bypass
9	209424	2				GASKET, Exhaust
10	28799	8				CAPSCREW, Ferryhead, 3/8"-16 x 1-1/4"
11	26943	8				NUT, Hex Jam, 3/8"-24
12	28311	8				NUT, Hex, Stainless Steel, 3/8"-24
13	21343	1				CAPSCREW, 3/8"-16 x 3/4"
14	21051	4				WASHER, Lock, 5/16"
15	21181	4				NUT, Hex, 5/16"-18
16	21189	4				NUT, Hex, 3/8"-16
17	78211A	2				COUPLING, Reducing, 1/4" x 1/8" NPT
18	65110Z	2				PIPE, 1/8"
19	118566X	2				PIPE, 3/8"
20	21052	4				WASHER, Lock, 3/8"
21	295645S	2				REGULATOR, Bypass Wastegate
22	211954	1				SHIELD, Heat, Exhaust Tee Bypass
23	207829	1				SLEEVE, Exhaust Bypass
24	159364C	8				STUD, 3/8" x 1-3/4"
25	207825	1				TEE, Exhaust Bypass
26	199109B	3				TEE, Male Branch Tube
27	78208B	2				TEE, 3/8" NPT
28	214067G	1				TUBE, Wastegate to Wastegate
29	214067T	1				TUBE, Wastegate Pressure, LB
30	214067S	1				TUBE, Wastegate Pressure, RB
31	214067M	1				TUBE, Wastegate Water In, LB
32	214067P	1				TUBE, Wastegate Water In, LB
33	214067R	1				TUBE, Wastegate Water Out, LB
34	214067V	1				TUBE, Wastegate Water Out, RB
35	154813T	2				U-BOLT, 5/16"
36	B277	4				WASHER, Flat, 5/16"
37	Y18813H	3				WASHER, Flat, 3/8"
38	28357	16				WASHER, Flat, Stainless Steel, 3/8"
39	209493	1				BRACKET, Tube Support
40	21350	2				CAPSCREW, Hex Head, 3/8"-16 x 1-3/16"
41	21346	1				CAPSCREW, Hex Head, 3/8"-16 x 7/8"

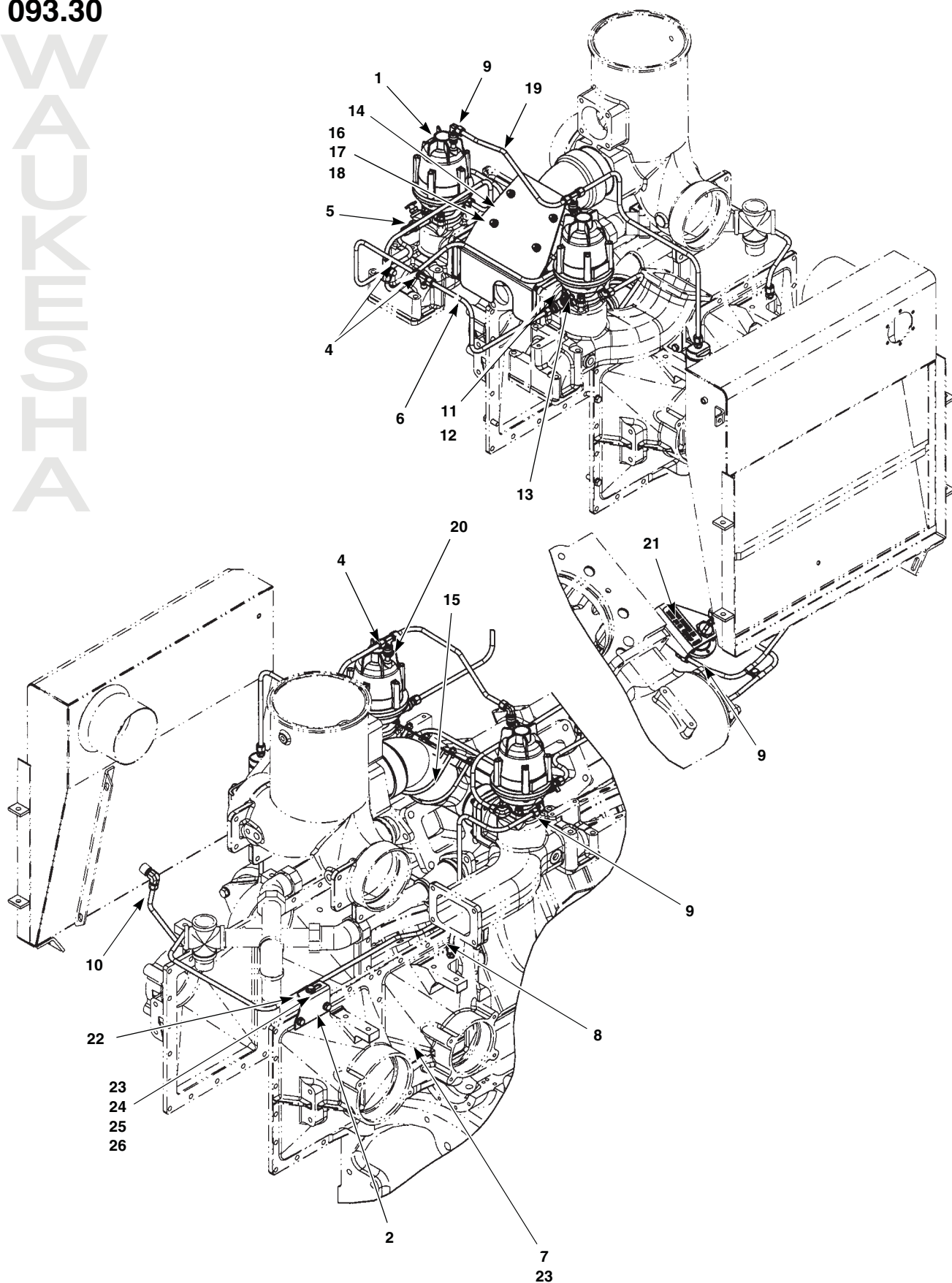
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WASTEGATE AND CONNECTIONS – L5794 LT

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 93
1	295645R			2		REGULATOR, Bypass Wastegate
2	209493			1		BRACKET, Tube Support
3	214067P			1		TUBE, Wastegate Water, RB
4	199109B			2		TEE, 3/8" x 1/4" NPT x 3/8"
5	214067V			1		TUBE, Wastegate Water Out, RB
6	214067R			1		TUBE, Wastegate Water Out, RB
7	21350			2		CAPSCREW, Hex Head, 3/8"-16 x 1-3/16"
8	214067T			1		TUBE, Wastegate Pressure, LB
9	199111B			4		ELBOW, Male, 3/8" x 1/4" NPT
10	199111C			4		ELBOW, Male, 3/8" x 3/8" NPT
11	118566X			2		PIPE, 3/8" x 1"
12	78208B			2		TEE, Pipe, 3/8"
13	73413A			2		COCK, Drain, 3/8"
14	211954			1		SHIELD, Heat, Exhaust Tee Bypass
15	154813T			2		U-BOLT, 5/16"-18
16	B277			4		WASHER, Flat, 5/16"
17	21051			4		WASHER, Lock, 5/16" x M8
18	21181			4		NUT, Hex, 5/16"-18
19	214067G			1		TUBE, Wastegate to Wastegate
20	65110Z			2		PIPE, 1/8" x 1-1/4"
21	207147U			1		DECAL, Instruction
22	169013K			1		CLIP
23	21052			3		WASHER, Lock, 3/8"
24	21343			1		CAPSCREW, Hex Head, 3/8"-16 x 3/4"
25	Y18813H			1		WASHER, Flat. 3/8"
26	21189			1		NUT, Hex, 3/8"-16

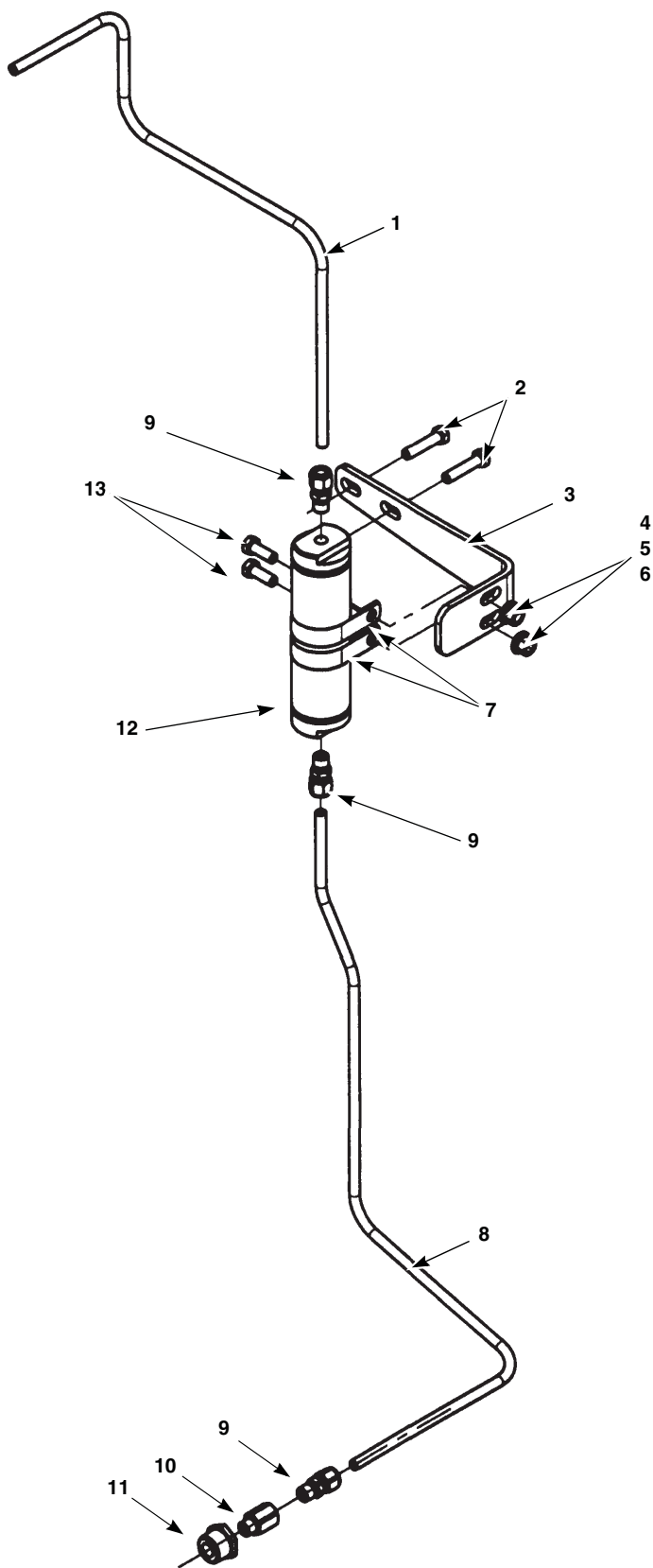
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WASTEGATE BACKPRESSURE REGULATOR – L5774 LT

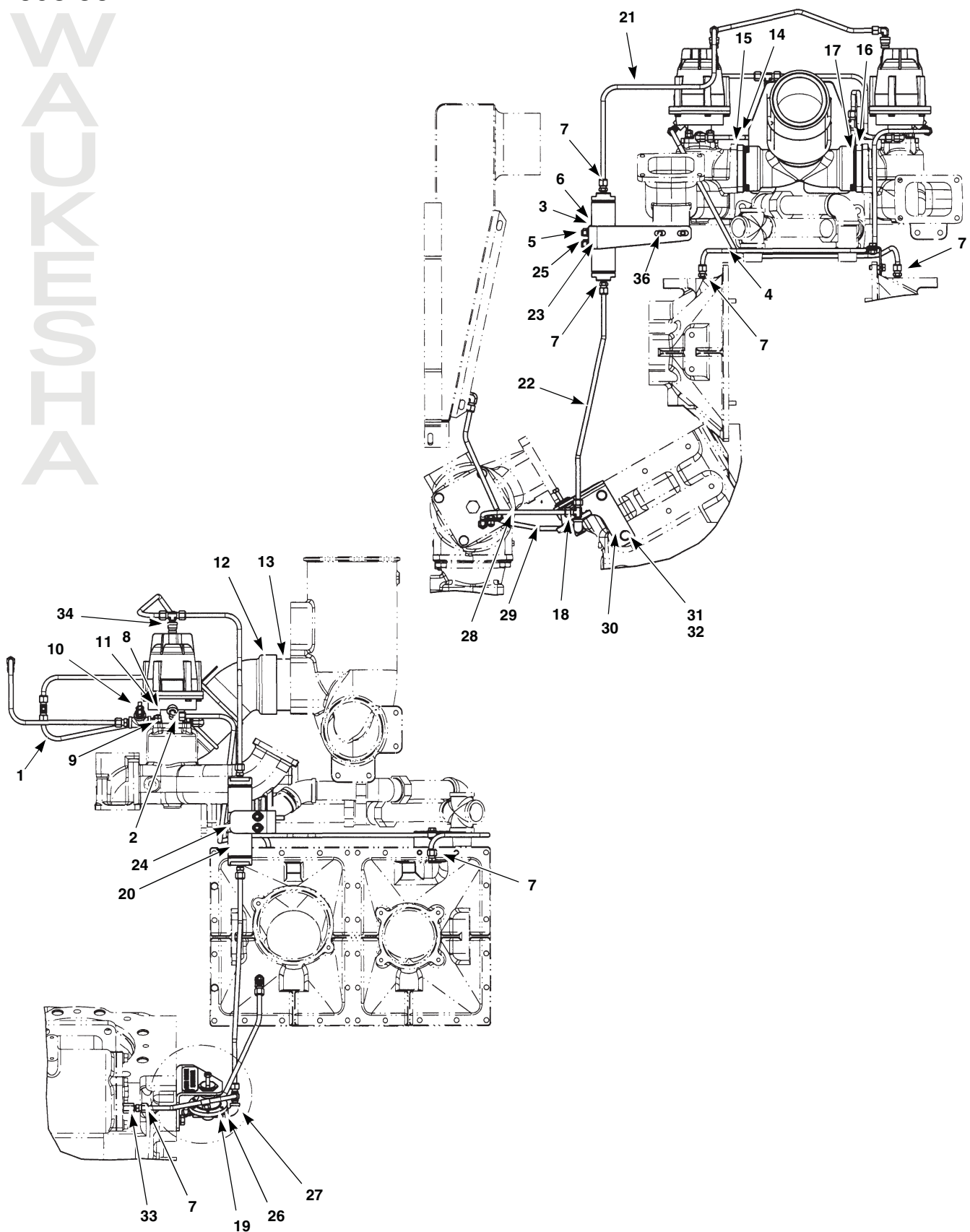
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 93
1	214067B	1				TUBE, Wastegate to Accumulator
2	28757	2				CAPSCREW, Hex Head, 3/8"-16 x 1-5/8"
3	214093	1				BRACKET, Accumulator
4	Y18813H	2				WASHER, Flat, Stainless Steel, 3/8"
5	21052	2				WASHER, Lock, 3/8"
6	21189	2				NUT, Hex 3/8"-16
7	207315K	2				CLIP
8	214067Y	1				TUBE, Wastegate Bias
9	194769	3				CONNECTOR, Male, 3/8" x 1/4" NPT
10	214071C	1				RESTRICTOR
11	78212F	1				PLUG, Hex Head Pipe, 3/4"
12	211187	1				PLENUM, Air/Gas
13	21348	2				CAPSCREW, Hex Head, 3/8"-16 x 1"

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WASTEGATE BACKPRESSURE REGULATOR – L5794 LT

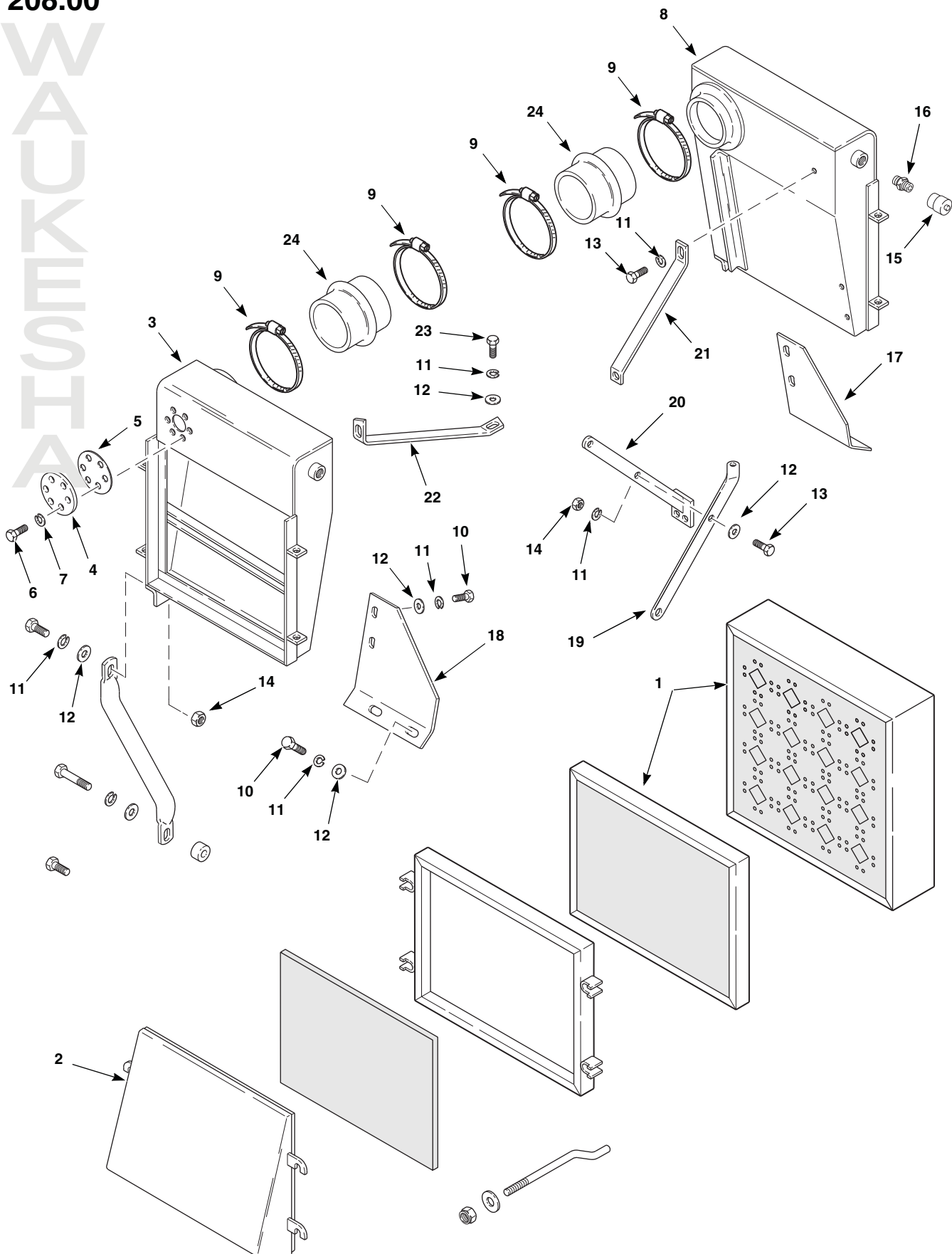
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 93
1	214067M			1		TUBE, Wastegate Water In, LB
2	194769A			2		CONNECTOR, Male, 3/8" x 3/8" NPT
3	21052			7		WASHER, Lock, 3/8"
4	214067S			1		TUBE, Wastegate Pressure, RB
5	21189			6		NUT, Hex, 3/8"-16
6	Y18813H			3		WASHER, Flat, 3/8"
7	194769			4		CONNECTOR, Male, 3/8" x 1/4" NPT
8	159364C			8		STUD, Stainless Steel, 3/8" x 1-3/4"
9	28357			8		WASHER, Stainless Steel, 3/8"
10	28311			8		NUT, Hex, Stainless Steel, 3/8"-24
11	26943			8		NUT, Hex Jam, Stainless Steel, 3/8"-24
12	207825			1		TEE, Exhaust Bypass
13	207829			1		SLEEVE, Exhaust Bypass
14	207828			2		FLANGE, Exhaust Bypass
15	209424			2		GASKET, Exhaust
16	28357			8		WASHER, Stainless Steel, 3/8"
17	28799			8		CAPSCREW, Ferryhead, 3/8"-16 x 1-1/4"
18	199110			3		TEE, 3/8" x 3/8" x 1/4" NPT
19	214065			1		REGULATOR, Back-Pressure
20	211187			1		PLENUM, Air/Gas
21	214067B			1		TUBE, Wastegate to Accumulator
22	214067F			1		TUBE, Accumulator to Relief Valve
23	214093			1		BRACKET, Accumulator
24	207315K			2		CLIP
25	21348			2		CAPSCREW, 3/8"-16 x 1"
26	154981B			1		PIPE, 1/4" x 7/8"
27	78204A			1		ELBOW, Pipe, 1/4"
28	214067H			1		TUBE, Regulator to Intake Manifold
29	214069			1		TUBE, Regulator to Air Cleaner
30	214070			1		BRACKET, Back-Pressure Regulator
31	21054			2		WASHER, Lock, 1/2"
32	21428			2		CAPSCREW, Hex Head, 1/2"-12 x 1-1/4"
33	214071B			1		RESTRICTOR, 1/4" x 1/4" NPTF
34	78211A			2		COUPLING, Reducing, 1/4" x 1/8"
35	21340			1		CAPSCREW, Hex Head, 3/8"-16 x 5/8"
36	28757			2		CAPSCREW, Hex Head, 3/8"-16 x 1-5/8"

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



208.00

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208.00
AIR CLEANER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 208
1	169180K	2	2	2	2	ELEMENT, Air Cleaner
	169180C	2	2	2	2	ELEMENT, Air Cleaner (Heavy Duty)
2	A208272A	2	2	2	2	SHIELD, Rain
	A208272G	1	1	1		SHIELD, Rain (Draw Thru Only)
3	D207531A	1	1	1	1	DUCT, Air, RB
4	164181	2	2	2	2	PLATE, Cover
5	164182	2	2	2	2	GASKET, Cover Plate
6	21273	12	12	12	12	SCREW, Hex Head, 1/4"-20 x 5/8"
7	21050	12	12	12	12	WASHER, Lock, 1/4"
8	D207531A	1	1	1	1	DUCT, Air, RB
	K207531	1	1	1	1	DUCT, Air, LB
9	41236E	4	4	4	4	CLAMP, Hose
10	21343	12	12	8	12	SCREW, Hex Head, 3/8"-16 x 3/4"
11	21052	28	28	26	28	WASHER, Lock, 3/8"
12	Y18813H	28	28	28	28	WASHER, Plain, 3/8"
13	21348	12	12	12	12	SCREW, Hex Head, 3/8"-16 x 1"
14	21189	8	8	10	8	NUT, Hex, 3/8"-16
15	153789	2	2	2	2	INDICATOR, Restriction
16	153790	2	2	2	2	FILTER, Restriction Indicator
17	168315K			1		BRACKET, Air Cleaner, RB
	208377A	1	1		1	BRACKET, Air Cleaner, RB
18	168314G			1		BRACKET, Air Cleaner, LB
	208378A	1	1		1	BRACKET, Air Cleaner, LB
19	168318B	2	2	2	2	BRACE, Air Cleaner, Upper
20	168319B	2	2	2	2	BRACE, Air Cleaner, Lower
21	208166A	1	1	1	1	BRACE, Air Cleaner, RB
22	208166B	1	1	1	1	BRACE, Air Cleaner, LB
23	28267	2	2	2	2	SCREW, Ferry, 3/8"-16 x 1"
24	209933A	2	2	2	2	CONNECTION, Hump Hose, 5-1/2" ID X 6"

Continued

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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208.01 AIR CLEANER

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 208 (continued)
25	209577B	1	1	1	1	BRACE, Air Duct, RB
	209577C	1	1	1	1	BRACE, Air Duct, LB
26	21435	1	1	1	1	SCREW, Hex Head, 1/2"-13 x 2", RB
27	21352	2	2	2	2	SCREW, Hex Head, 3/8"-16 x 1-1/4"
28	21437	1	1	1	1	SCREW, Hex Head, 1/2"-13 x 2-1/4", LB
29	21054	1	1	2	1	WASHER, Lock, 1/2", RB
30	Y18813K	1	1	1	1	WASHER, Plain, 1/2", RB
31	120132A	1	1		1	SPACER, RB
	151808			1		SPACER, RB
32	207839F	8	8	8	8	STUD, Mounting
	207839	8	8	8	8	STUD, Mounting (Used With Heavy Duty Air Filter)
33	158417	16	16	16	16	NUT, Lock, Elastic Stop, 5/16"-18
34	159447C	16	16	16	16	WASHER, Flat, 11/32"
35	A207530C	2	2	2	2	FRAME, Air Cleaner
36	208349A	2	2	2	2	ELEMENT, Precleaner

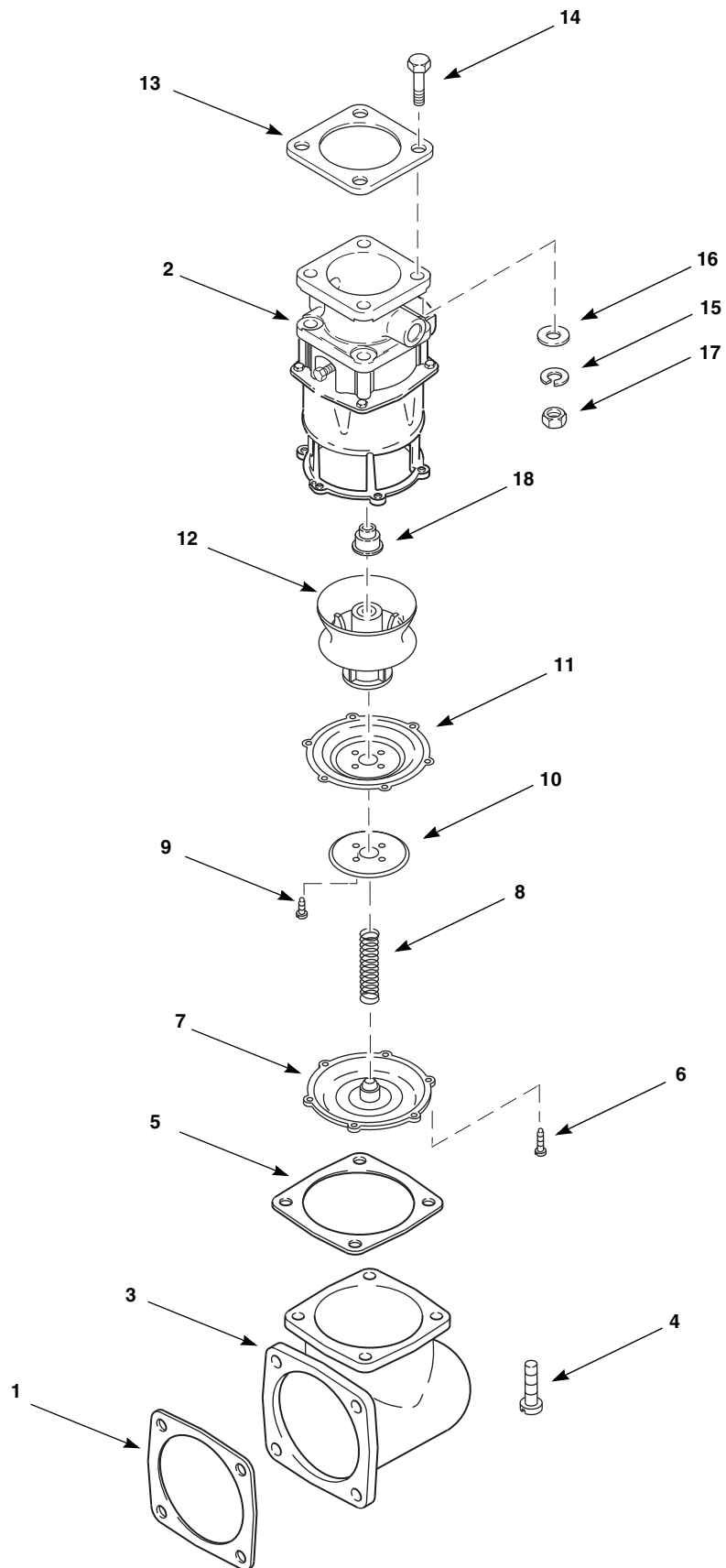
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214.00

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214.00 CARBURETOR

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 214
1	169568D	2		2		GASKET, Air Horn
2	59022U	2				CARBURETOR
	59022T		2		2	CARBURETOR
	59021T			1		CARBURETOR, RH
	59021U			1		CARBURETOR, LH
3	• 493719	2	2	2	2	• AIR HORN
4	• 493722	8	8	8	8	• SCREW, 3/8"-16
5	• 493637	2	2	2	2	• GASKET
6	• 493720	12	12	12	12	• SCREW, No. 10-24 x 5/8"
7	• 493721	2	2	2	2	• COVER, Air Valve Diaphragm
8	• 493645		2		2	• SPRING, Updraft Air Valve, Red
9	• 493723	8	8	8	8	• SCREW, No. 8-32 x 5/16"
10	• 493724	2	2	2	2	• BACKUP PLATE
11	• 499222	2	2	2	2	• DIAPHRAGM
	• 489245	2	2	2	2	• DIAPHRAGM (Service Option)
12	• 499366		2		2	• VALVE, Air-Assembly
13	119035	2	2		2	GASKET, Carburetor
14	21433	8	8		8	SCREW, Hex Head, 1/2"-13 x 1-3/4"
	21431			8		SCREW, Hex Head, 1/2"-13 x 1-1/2"
15	21054	8	8	8	8	WASHER, Lock, 1/2"
16	Y18813K	8		8		WASHER, Flat, 1/2"
17	21205	8	8		8	NUT, Hex Head, 1/2"-13
18	211291C	2	2	2	2	VALVE, Gas

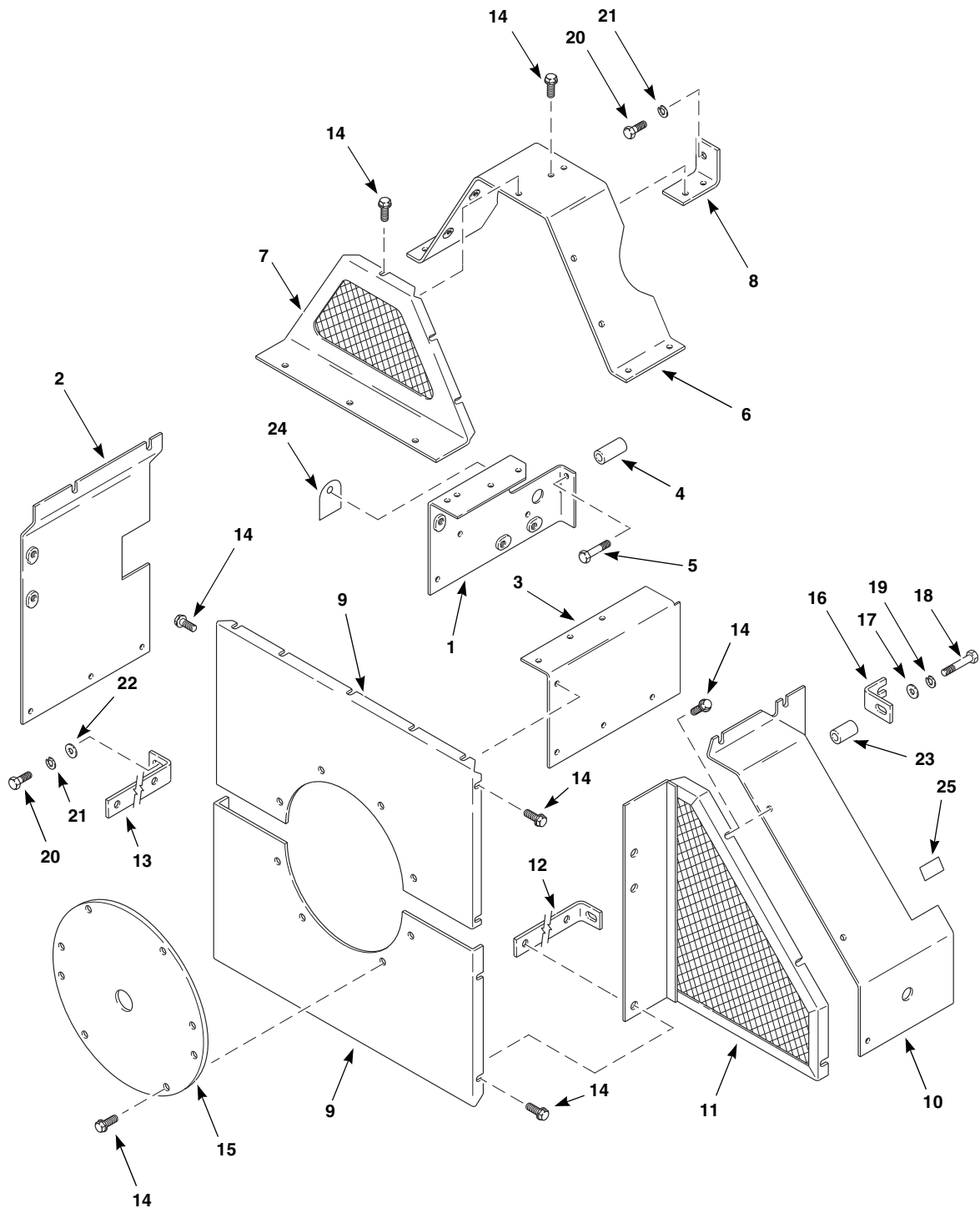
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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223.00

WAKESHA



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223.00
SAFETY GUARDS

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 223
1	D199801	1	1	1	1	GUARD, Belt, RH
2	A199800	1	1	1	1	COVER, Belt Guard, RH
3	A199804	1	1	1	1	GUARD, Belt, LH
4	B2861F	2	2	2	2	SPACER
5	21448	2	2	2	2	CAPSCREW, Hex Head, 1/2"-13 x 4-1/2"
6	A199802	1	1	1	1	GUARD, Belt
7	A199803	1	1	1	1	GUARD, Belt
8	199764A	1	1	1	1	BRACKET, Belt Guard
9	A199807	2	2	2	2	GUARD, Belt
10	A199805M	1	1		1	GUARD, Belt, LH
	A199805C			1		GUARD, Belt, LH
11	A199806D	1	1		1	COVER, Belt Guard, LH
	A199806C			1		COVER, Belt Guard, LH
12	199769	1	1	1	1	BRACKET, LH
13	199769D	1	1	1	1	BRACKET, RH
14	28470	42	42	42	42	CAPSCREW, Locking Hex Head, 5/16"-18 x 5/8"
15	194936	1	1	1	1	PLATE, Pulley Cover
16	208678B	1	1	1	1	BRACKET, Belt Guard, LH
17	B277	1	1		1	WASHER, Plain, 5/16"
	Y18813H			1		WASHER, Plain, 3/8"
18	21309	1	1		1	CAPSCREW, Hex Head, 5/16"-18 x 3/4"
	21348			1		CAPSCREW, Hex Head, 3/8"-16 x 1"
19	21051	1	1		1	WASHER, Lock, 5/16"
	21052			1		WASHER, Lock, 3/8"
20	21425	3	3	3	3	CAPSCREW, Hex Head, 1/2"-13 x 1"
21	21054	3	3	3	3	WASHER, Lock, 1/2"
22	Y18813K	2	2	2	2	WASHER, Plain, 1/2"
23	63809D	1	1	1	1	SPACER
24	119775A	1	1	1	1	PLATE, Instruction (Use Ball Bearing Grease)
25	207147D	2	2	2	2	PLATE, Instruction (Use Ball Bearing Grease)

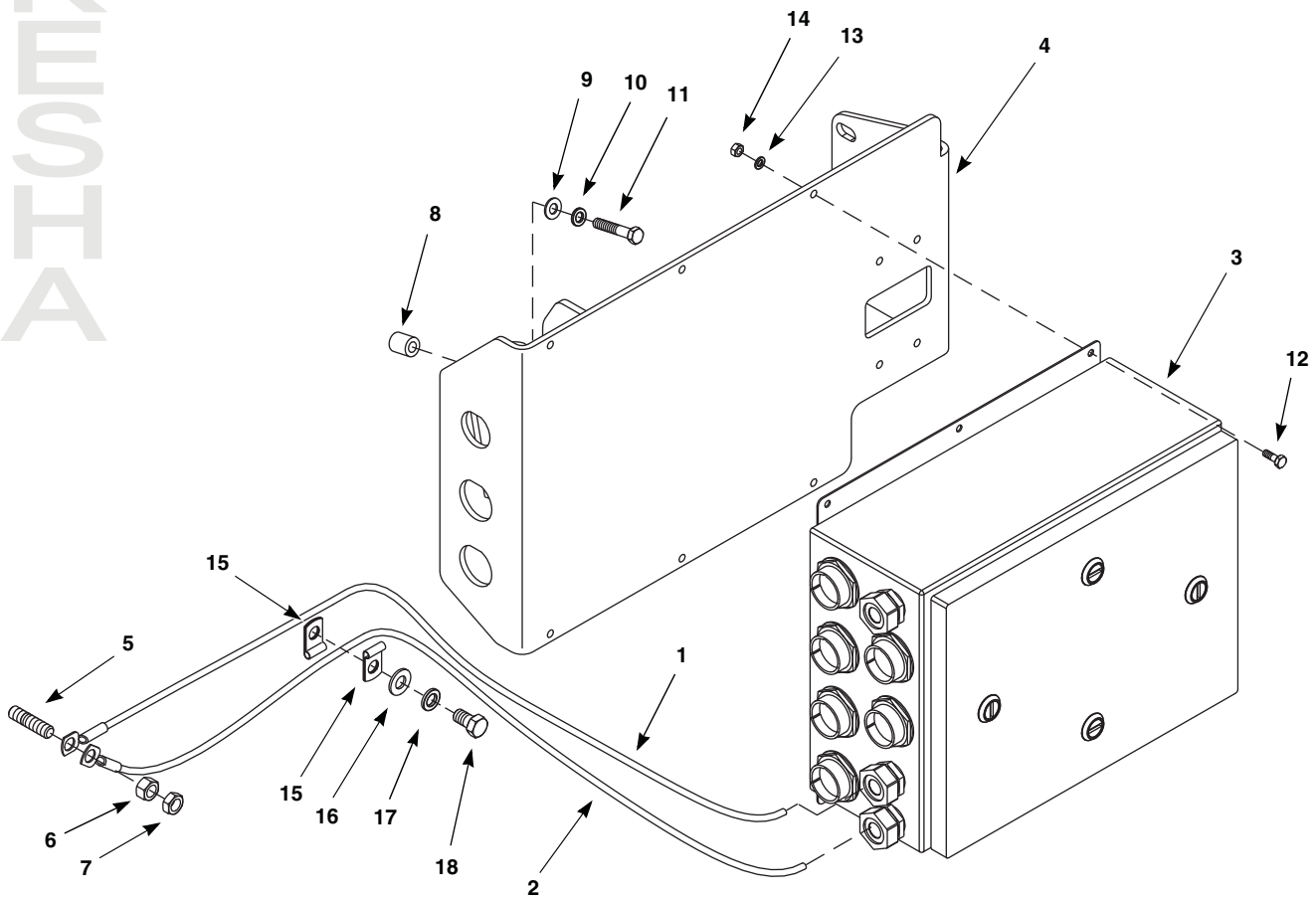
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230.00

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230.00
JUNCTION BOX

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 230
1	740278	1	1	1	1	CABLE, Ground, Power Distribution Box
2	740277	1	1	1	1	CABLE, Ground, Power Distribution Box
3	214080G	1	1	1	1	BOX, Junction
4	214079A	1	1	1	1	BRACKET, Junction Box Mounting
5	214118	1	1	1	1	STUD, 1/2"-20 x 2"
6	26710	1	1	1	1	NUT, Hex, 1/2"-20
7	26948	1	1	1	1	NUT, Jam, 1/2"-20
8	63809	2	2	2	2	SPACER
9	Y18813H	2	2	2	2	WASHER, Flat, 3/8"
10	21052	2	2	2	2	WASHER, Lock, 3/8"
11	21362	2	2	2	2	CAPSCREW, Hex Head, 3/8"-16 x 2"
12	21275	6	6	6	6	CAPSCREW, Hex Head, 1/4"-20 x 3/4"
13	21050	6	6	6	6	WASHER, Lock, 1/4"
14	21173	6	6	6	6	NUT, Hex, 1/4"-20
15	169013G	2	2	2	2	CLIP
16	Y18813K	1	1	1	1	WASHER, Flat, 1/2"
17	21054	1	1	1	1	WASHER, Lock, 1/2"
18	21423	1	1	1	1	CAPSCREW, Hex Head, 1/2"013 x 7/8"

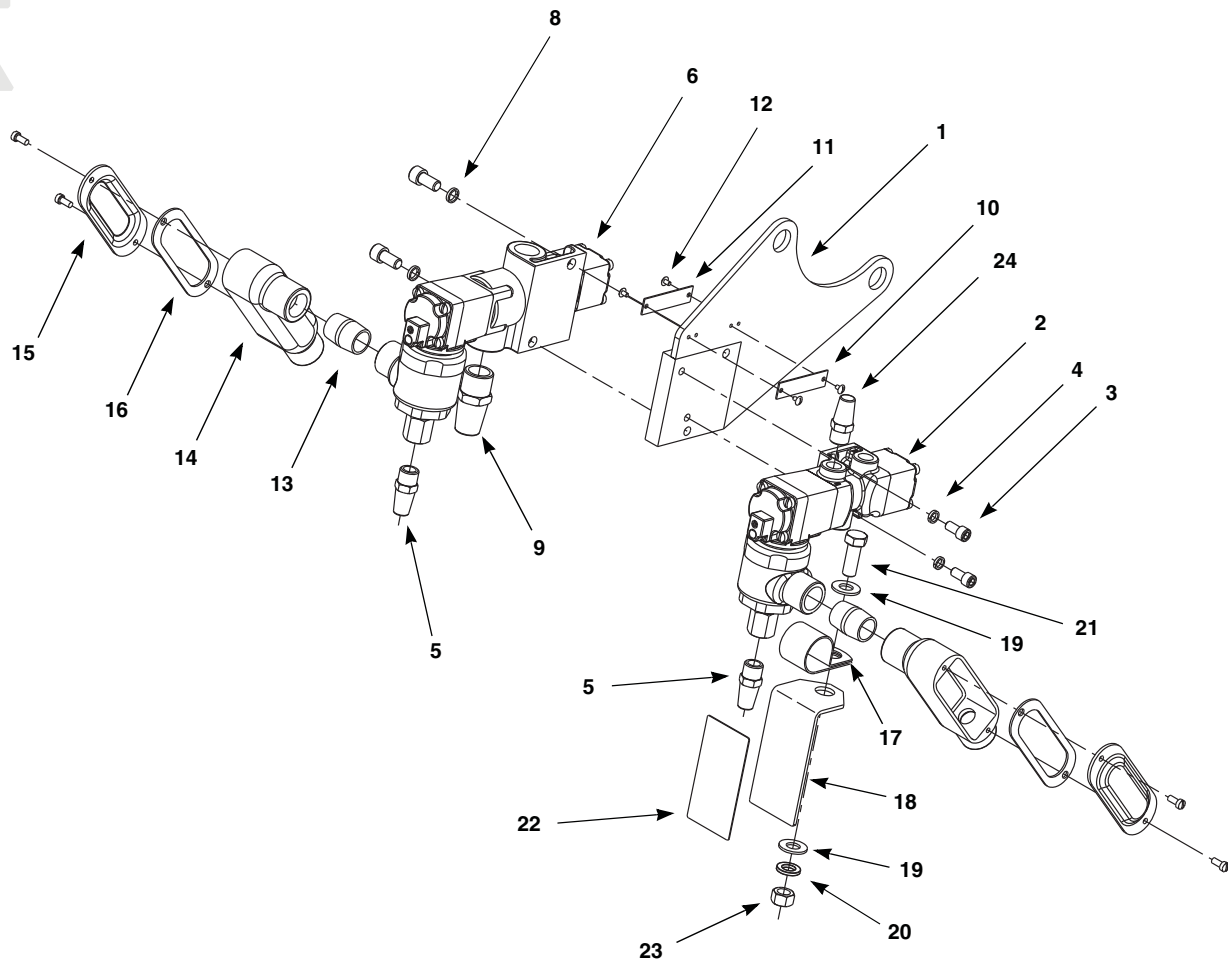
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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253.00

AIR START/PRELUBE CONTROL

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
GROUP 253						
1	209270G	1	1	1	1	BRACKET, Start/Prelube Control Valve
2	211194C	1	1	1	1	VALVE, 3-Way Solenoid, 1/4"
3	26030	2	2	2	2	SCREW, Socket Head, 1/4"-20 x 1/2"
4	39148	2	2	2	2	WASHER, Lock, 1/4"
5	209672	2	2	2	2	MUFFLER, Pneumatic Exhaust, 1/8" NPT
6	211194D	1	1	1	1	VALVE, 3-Wy Solenoid, 1/2"
7	26467	2	2	2	2	SCREW, Socket Head, 3/8"-18 x 5/8"
8	39149	2	2	2	2	WASHER, Lock, 3/8"
9	209672C	1	1	1	1	MUFFLER, Vent Exhaust, 1/2"
10	955204P	1	1	1	1	NAME PLATE, Start
11	214096	1	1	1	1	NAME PLATE, Prelube Motor
12	21766	4	4	4	4	WASHER, Lock, 3/8"-16
13	208505	2	2	2	2	CONDUIT
14	208497J	2	2	2	2	BOX, Conduit Outlet
15	208497H	2	2	2	2	COVER, Conduit Box
16	208497G	2	2	2	2	GASKET, Conuit Box
17	177487K	1	1	1	1	CLIP, 1/2"
18	211782A	1	1	1	1	BRACKET, Safety Label
19	Y18813H	2	2	2	2	WASHER, Flat, 3/8"
20	21052	1	1	1	1	WASHER, Lock, 3/8"
21	21348	1	1	1	1	SCREW, Hex Head, 3/8"-16 x 1.0"
22	211910S	1	1	1	1	Label, Warning Gas Venting
23	21189	1	1	1	11	NUT, Hex 3/8"-16
24	209672B	1	1	1	1	MUFFLER, Vent Exhaust, 1/4"

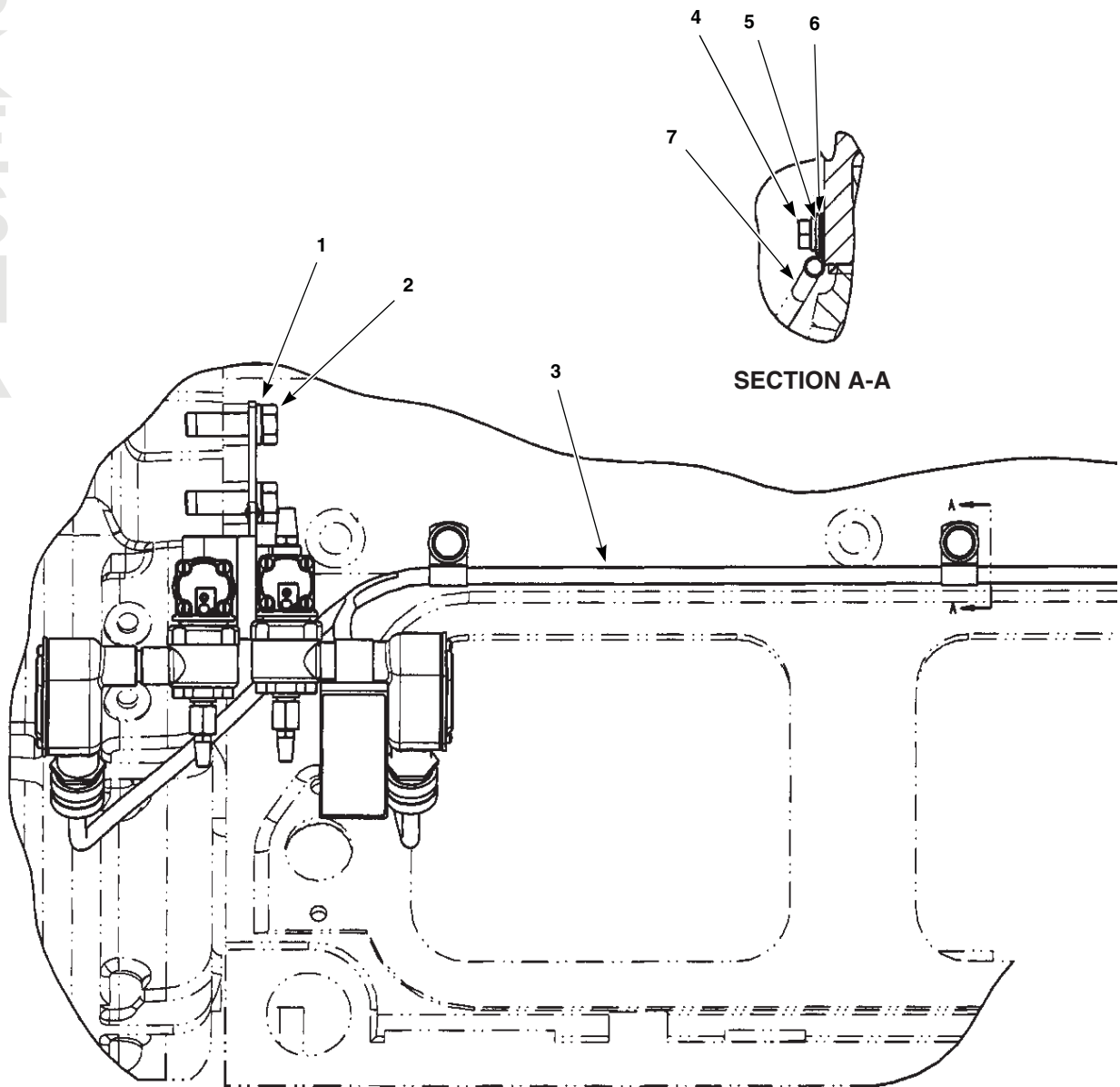
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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253.10

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AIR START/PRELUBE CONTROL WIRING

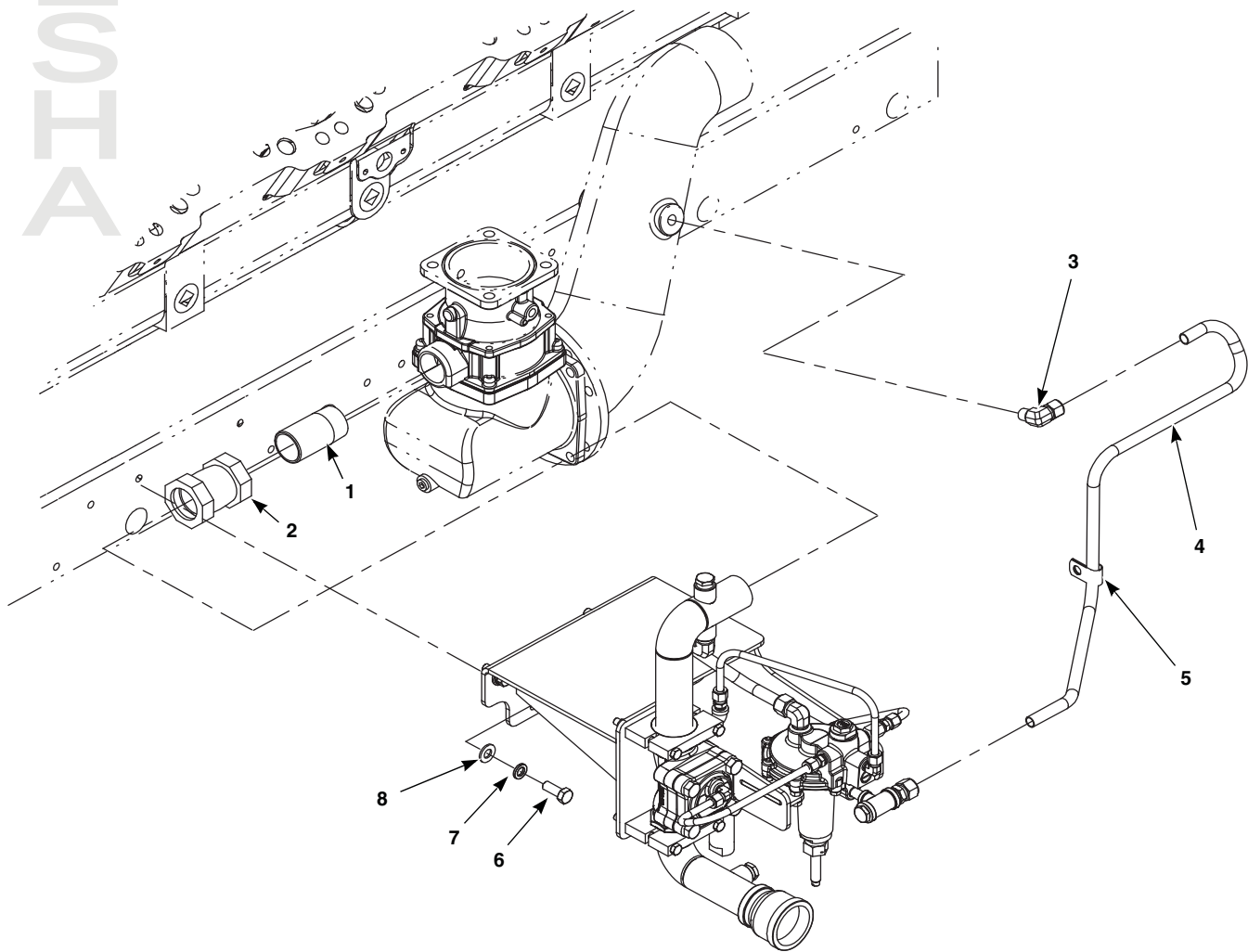
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 253
1	21055	2	2	2	2	WASHER, Lock, 5/8"
2	21469	2	2	2	2	CAPSCREW, Hex Head, 5/8"-11 x 2"
3	A740259	1	1	1	1	HARNESS, ESM, Start/Air
4	21423	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 7/8"
5	21054	4	4	4	4	WASHER, Lock, 1/2"
6	Y18813K	4	4	4	4	WASHER, Flat, 1/2"
7	169013N	4	4	4	4	CLIP, 1/2"

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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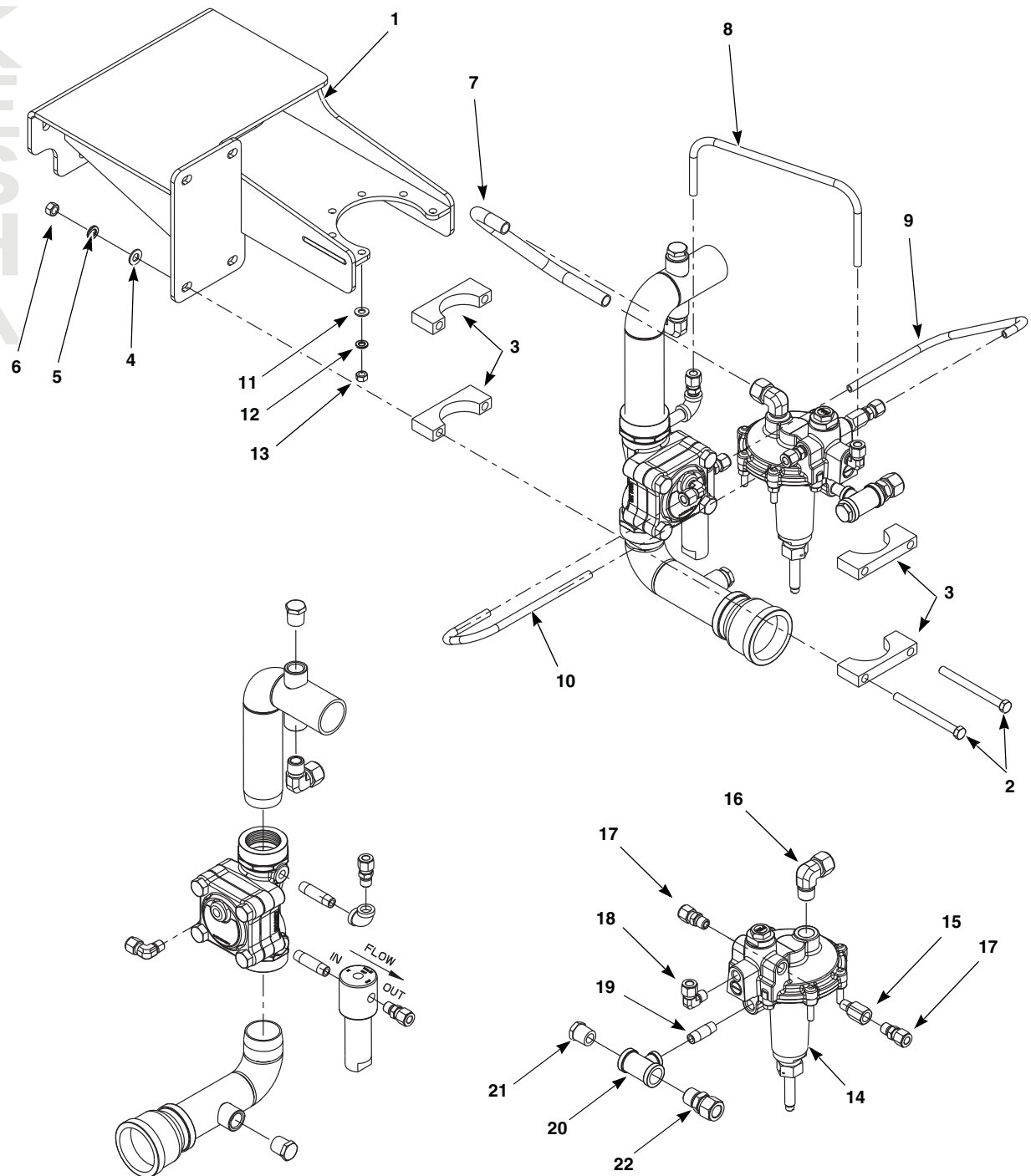
263.00
GAS REGULATOR

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 263
1	209151C	2	2		2	PIPE, 1-1/2" x 3-1/2"
	164972H			2		PIPE, 1-1/2" x 5-1/2"
2	161579B	2	2	2	2	COUPLING, 1-1/2"
3	199111Y	2	2		2	ELBOW, 5/8" x 3/8" NPT
	199111C			2		ELBOW, 3/8" x 3/8" NPT
4	214191B		1		1	TUBE, 5/8" Balance, LB
	214168X	1		1		TUBE, Balance, LB
	214177G		1		1	TUBE, Balance, LB
	214191A		1		1	TUBE, 5/8" Balance, RB
	214168L	1		1		TUBE, Balance, RB
	214177H		1		1	TUBE, Balance, RB
5	169013V	2	2		2	CLIP, 5/8"
	169013L			2		CLIP, 3/8"
6	21428	8	8	8	8	CAPSCREW, Hex Head, 1/2"-13 x 1-1/4"
7	21054	8	8	8	8	WASHER, Lock, 1/2"
8	Y18813K	8	8	8	8	WASHER, Plain, 1/2"

PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



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263.10

GAS REGULATOR

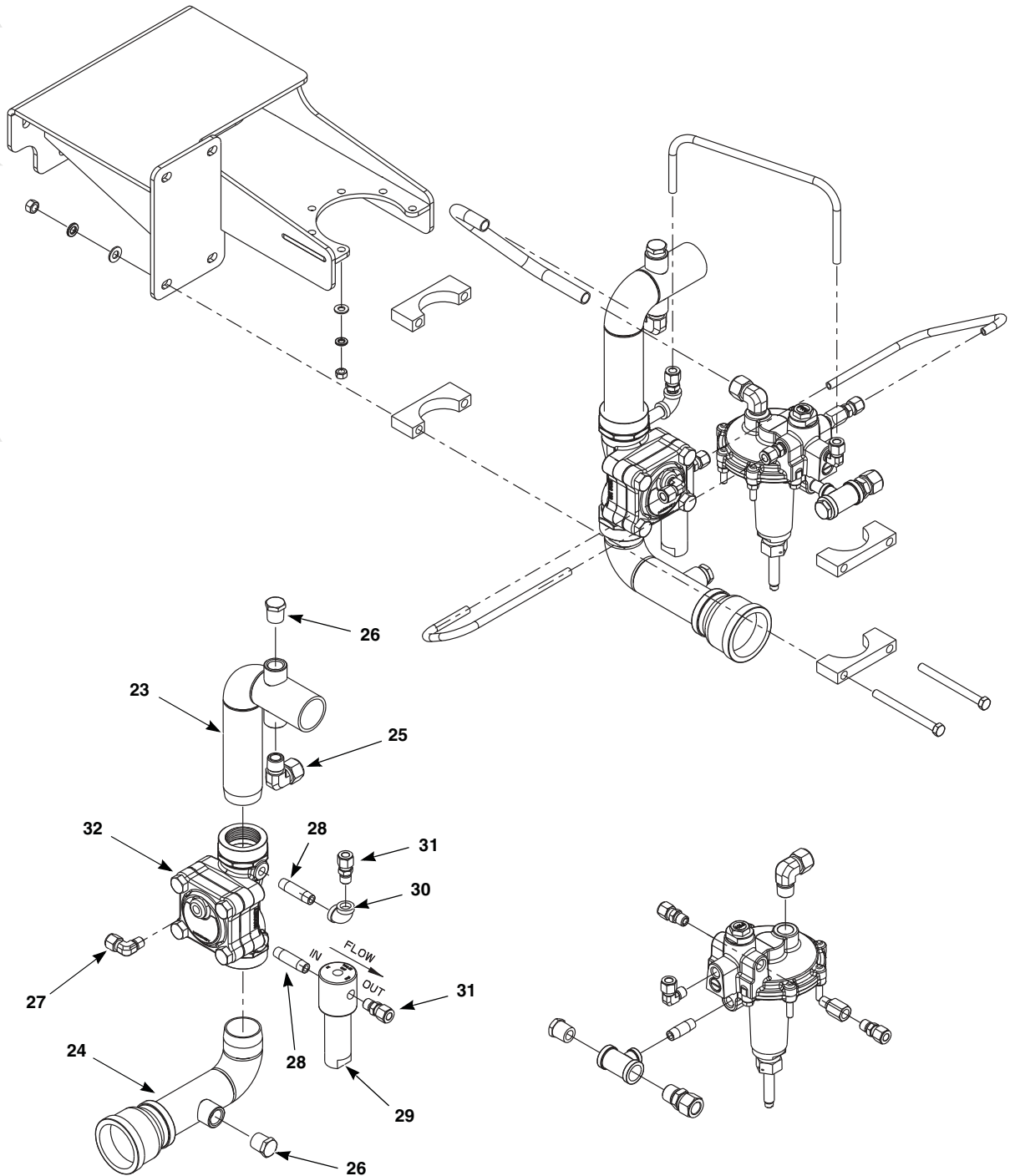
ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 263
1	209353H	1				BRACKET, Regulator - LB
	209353K			1		BRACKET, Regulator - LB
	209353U		1		1	BRACKET, Regulator - LB
	209353G	1				BRACKET, Regulator - RB
	209353J			1		BRACKET, Regulator - RB
	209353T		1		1	BRACKET, Regulator - RB
2	21373	4	3	4	3	CAPSCREW, Hex Head, 3/8"-16 x 4"
	21374		1		1	CAPSCREW, Hex Head, 3/8"-16 x 4-1/4"
3	209353M	4	4	4	4	STRAP, Regulator Mounting
4	Y18813H	4	3	4	3	WASHER, Plain, 3/8"
5	21052	4	5	4	5	WASHER, Lock, 3/8"
6	21189	4	5	4	5	NUT, Hex, 3/8"-16
7	214168A	1				TUBE, Sensing
	214168K			1		TUBE, Sensing
	214178		1		1	TUBE, Sensing, RB
	214178A		1		1	TUBE, Sensing, LB
8	214168E	1		1		TUBE, Pilot Exhaust
	214177E		1		1	TUBE, Pilot Exhaust, LB
	214177C		1		1	TUBE, Pilot Exhaust, RB
9	214168D	1		1		TUBE, Pilot Supply
	214177D		1			TUBE, Pilot Supply
10	214168B	1		1		TUBE, Pilot Loading Line
	214177B		1		1	TUBE, Pilot Loading Line
11	B277	6	4	6	4	WASHER, Plain, 5/16"
12	21051	6	4	6	4	WASHER, Lock, 5/16"
13	21181	6		6		NUT, Hex, 5/16"-18
14	214172	1		1		PILOT, Gas Regulator, Mooney
	A740825A		1		1	PILOT ASSEMBLY, Gas Regulator, LB
	A740825B		1		1	PILOT ASSEMBLY, Gas Regulator, RB
15	214175	1	1	1	1	RESTRICTOR, Gas Regulator
16	199111E	1	1	1	1	ELBOW, 5/8" x 1/2" NPT
17	194769	2	2	2	2	CONNECTOR, 3/8" x 1/4" NPT
18	199111B	1	1	1	1	ELBOW, 3/8" x 1/4" NPT
19	209958B	1	1	1	1	PIPE, 1/4" x 1-1/2"
20	78208Y	1	1		1	TEE, Reducing, 1/2" x 1/2" x 1/4"
	78208A			1		TEE, 1/4"
21	28677	1	1		1	PLUG, Pipe, 1/2"
	26750			1		PLUG, Pipe, 1/4"
22	194769J	1	1		1	CONNECTOR, 5/8" x 1/2" NPT
	194769			1		CONNECTOR, 3/8" x 1/4" NPT

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263.11 GAS REGULATOR

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
23	214163B	1	1		1	TUBE, Gas Inlet
	214163C			1		TUBE, Gas Inlet
24	214163A	1		1		TUBE, Gas Regulator Inlet
	A214163E		1		1	TUBE, Gas Regulator Inlet
25	199111E	1	1	1	1	ELBOW, 5/8" x 1/2" NPT
26	28677	2	2	2	2	PLUG, Pipe, 1/2"
27	199111B	1	1	1	1	ELBOW, 3/8" x 1/4" NPT
28	209958A	2	2	2	2	PIPE, 1/4" x 2"
29	214174	1	1	1	1	FILTER, Gas Regulator
30	78204A	1	1	1	1	ELBOW, 1/4"
31	194769	2	2	2	2	CONNECTOR
32	214171B	1	1	1	1	REGULATOR

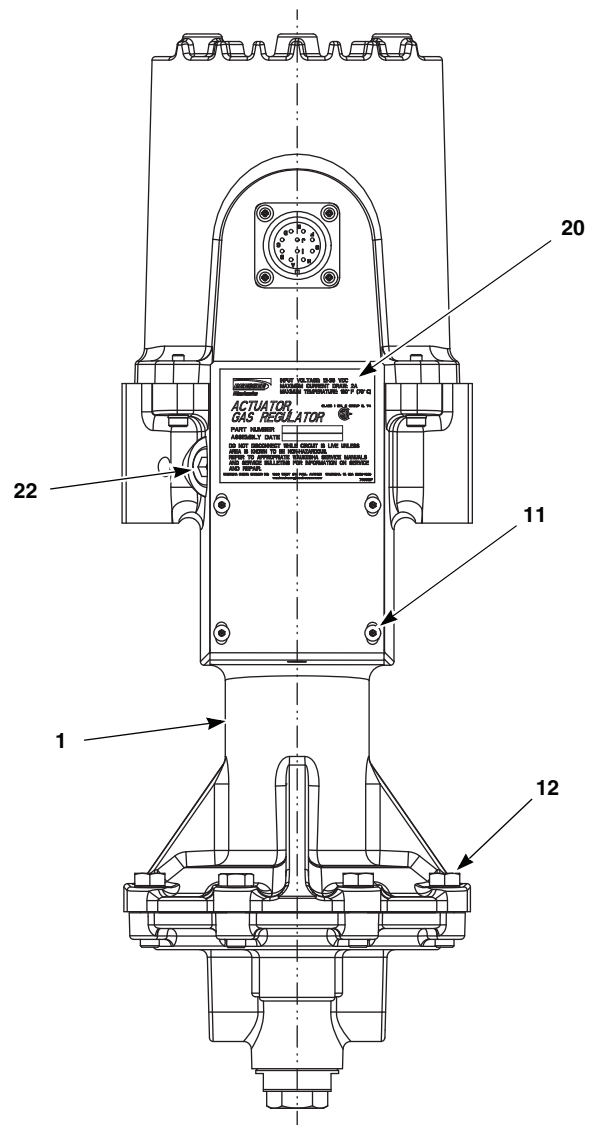
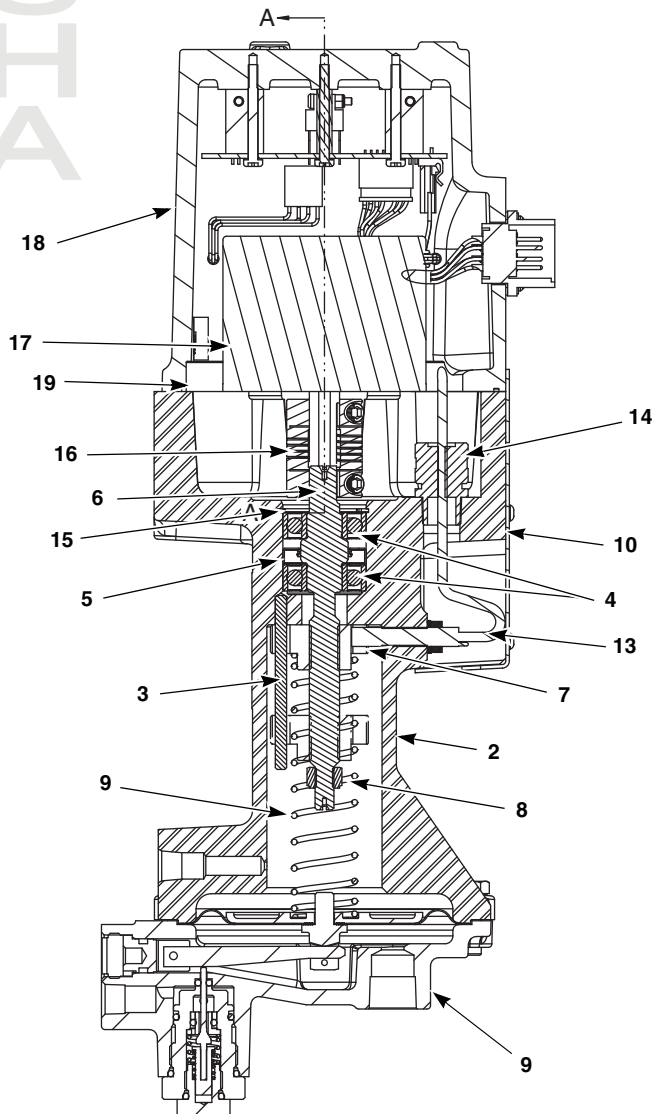
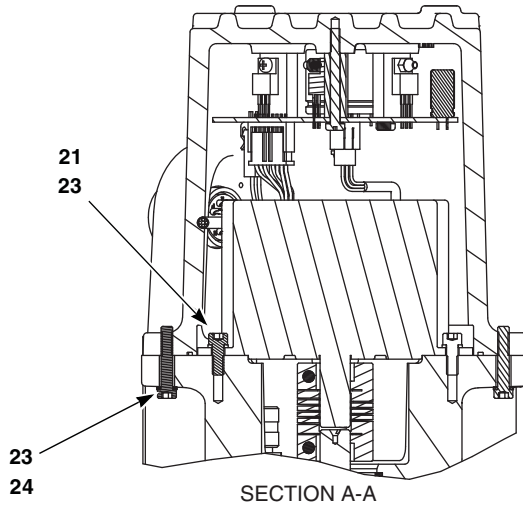
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263.20

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263.20

GAS REGULATOR ACTUATOR

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 263 (continued)
	AA740502D		2		2	ACTUATOR ASSEMBLY, Gas Regulator
1	• A740502D		2		2	HOUSING, Stepper Motor/Pilot
2	••740502D		2		2	•• HOUSING
3	••211306		2		2	•• PIN, Dowel
4	••211376		4		4	•• BEARING, Ball
5	••740038A		2		2	•• SEAL, Oil
6	••211304G		2		2	•• SCREW, Spring Adjusting
7	••740501B		2		2	•• NUT, Spring Adjusting
8	••158417		2		2	•• NUT, Stop, 5/16"-18
9	••214181		2		2	•• PILOT, Mooney Parts
10	••740040A		2		2	•• COVER, Proximity Switch
11	••28797		8		8	•• SCREW, Button Head Socket, #6-32 x 1-1/4"
12	••21313		16		16	•• CAPSCREW, Hex Head, 5/16"-18 x 1"
13	••E740303		2		2	•• SENSOR, Proximity
14	••740039		2		2	•• CORD GRIP
15	••161264		2		2	•• SNAP RING
16	•740009C		2		2	• COUPLING, Flex
17	•209586D		2		2	• MOTOR, Stepper
18	•A209585K		2		2	• COVER, Motor Assembly
19	•214126		2		2	• O-RING
20	•740018F		2		2	• LABEL, Gas Regulator
21	•28563		8		8	• CAPSCREW, Socket Head, #10-24 x 1/2"
22	•26411		2		2	• PLUG, Pipe, 3/8"
23	•26420		16		16	• WASHER, Lock, #10
24	•26477		8		8	• CAPSCREW, Socket Head, #10-24 x 1"

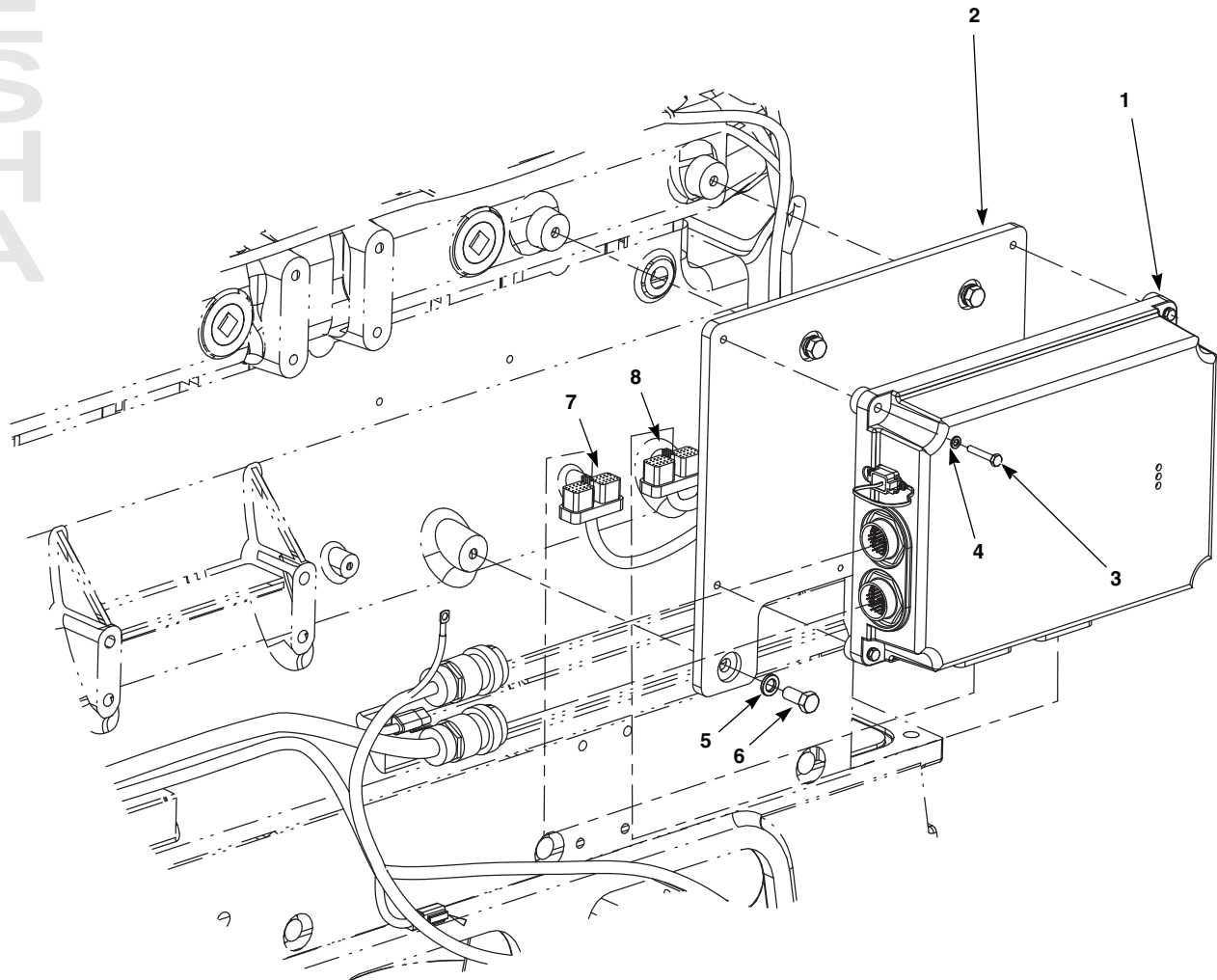
PART NUMBERS ARE FOR REFERENCE ONLY. REFER TO ENGINE SPECIFICATION.



imagination at work

290.00

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imagination at work

290.00
ENGINE CONTROL UNIT

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 290
1	740824B	1	1	1	1	ENGINE CONTROL UNIT (ECU)
2	214078	1	1	1	1	BRACKET, ECU Mounting
3	21288	4	4	4	4	CAPSCREW, Hex Head, 1/4"-20 x 1-1/2"
4	21050	4	4	4	4	WASHER, Lock 1/4"
5	21054	4	4	4	4	WASHER, Lock 1/2"
6	21435	4	4	4	4	CAPSCREW, Hex Head, 1/2"-13 x 2"
7	A740263B	1	1	1	1	HARNESS ASSEMBLY, ECU Input B
8	A740265A	1	1	1	1	HARNESS ASSEMBLY, ECU Input A

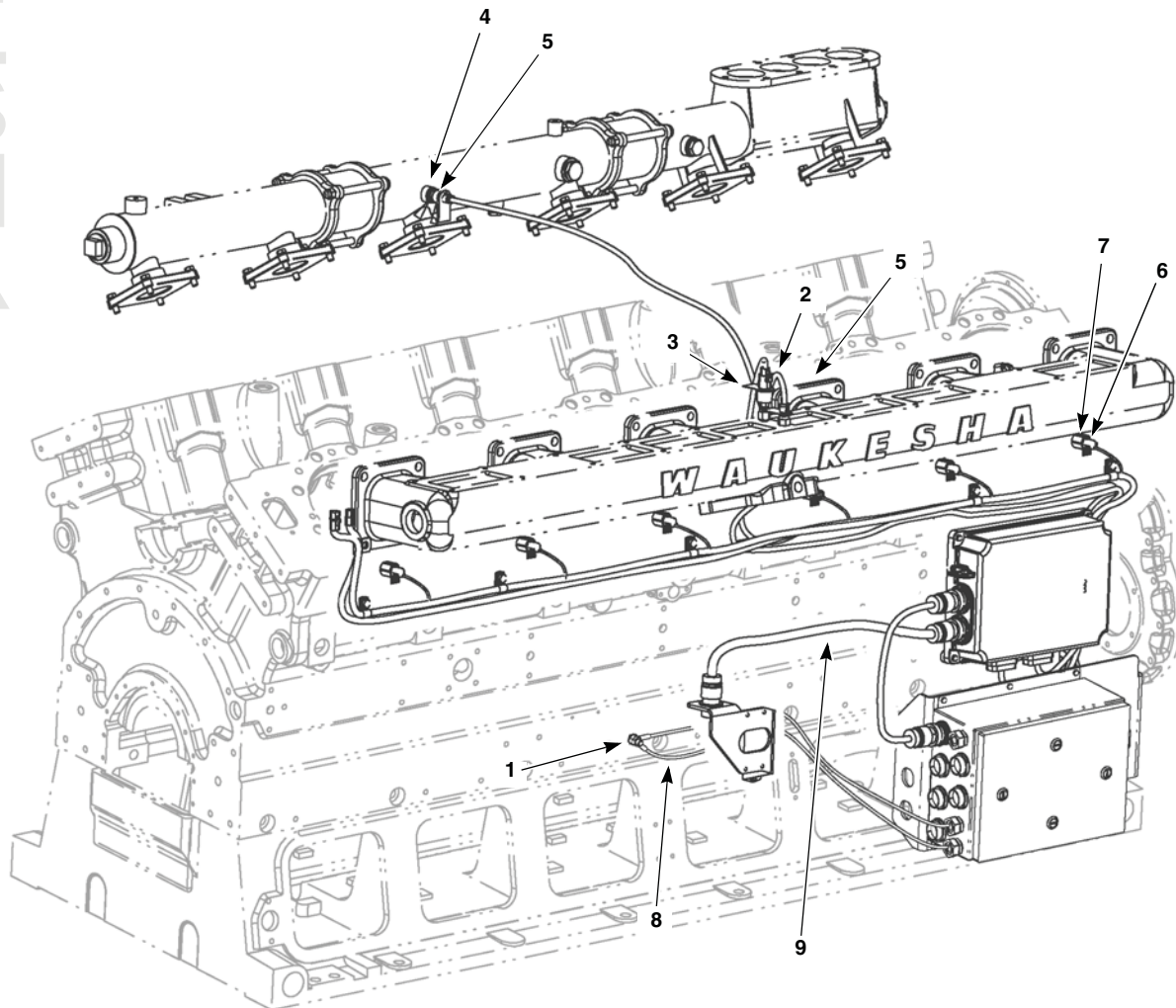
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imagination at work

290.10

WAUKESHA



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imagination at work

290.10 ENGINE CONTROL UNIT WIRING

ITEM NO.	PART NUMBER	L5774	L5794		L7044	DESCRIPTION
		LT	GSI	LT	GSI	
						GROUP 290
1	A740118	1	1	1	1	TRANSDUCER, Oil Pressure
2	A740119	2	2	2	2	TRANSDUCER, Intake Manifold Pressure
3	211893	2	2	2	2	SNUBBER, Pressure
4	78212C		2		2	BUSHING, Reducing, 1/2" x 1/4"
5	A740120	3	3	3	3	THERMISTOR, Oil, Water, Intake Manifold
6	740110B		12	12	12	SENSOR, Knock Control
7	740019A		12	12	12	LABEL, Knock Sensor
8	A740271	1	1	1	1	HARNESS, Assembly, Customer Interface Jumper
9	A740264B	1	1	1	1	HARNESS Assembly, ECU
	A740267	1	1	1	1	HARNESS Assembly, Customer Interface 25'
	A740267A	1	1	1	1	HARNESS Assembly, Customer Interface 50'
	C740269		1	1	1	CABLE, ECU to PC
	740269	1				CABLE, ECU to PC
	C740045A	1	1	1	1	ESM MANUAL with Software (Not Pictured)

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imagination at work

NOTES

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VHP SERIES FOUR 12 CYLINDER PARTS NUMBER INDEX

NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
SERVICE REPAIR KITS			118879 C	017.02	20	153092 A	060.00	26
907-241	004.00			061.01	52	153095 A	045.00	16
907-242	004.00			061.11	63	153097 A	045.00	7
907-244	004.00		118925 A	060.00	5	153119	014.00	16
932-281	004.00		118996	020.01	55	153121 A	014.00	30
932-282	004.00			060.01	56		014.00	38
932-288	004.00		119035	041.00	6		014.00	40
G-911-270	011.00			214.00	13	153122 J	014.00	28
G-918-332	011.00		119060 K	041.00	11		014.00	36
G-918-337	011.00		119126 D	002.40	9	A 153123 B	014.10	1
G-927-7	023.00		119396 B	004.00	15	153127 A	014.10	3
G-960-243	061.01		119396 D	004.00	14		068.00	26
G-960-256	061.11		119397 E	004.00	15		080.00	29
G-960-291	060.01		119397 G	004.00	14	153137 A	045.00	13
977-68	002.01		119434 W	017.00	5	153139 A	060.00	38
977-69	002.01		119562 B	027.00	5	153142 A	014.00	2
979-292	002.01		119775 A	061.00	30	153144	014.00	4
979-294	002.01			061.11	35	153146 K	041.10	5
G-980-152	080.00			223.00	24	153147 A	041.10	4
496873	061.01		119977	023.00	10	153160 E	011.00	19
	061.11			068.00	22	153161 B	011.00	20
				070.10	18	153162 B	011.00	26
			120132 A	035.02	79	153163 E	011.00	25
				035.03	102	153176 B	045.00	21
				208.01	31	153176 C	070.30	1
10005 L	004.00	3	120239	002.30	5	153255 B	002.30	8
10006	004.00	2	120306 W	035.11	34	153256 A	002.30	4
100831 B	055.10	16	145029 A	020.01	41	C 153256 A	002.30	
100831 W	002.40	10	151282 B	070.20	28	153267 C	041.00	17
	055.00	12	151808	022.20	18	153271	041.01	30
100834 Y	035.11	32		208.01	31	153271 B	041.01	30
C 100834 L	035.00	2	151813	057.00	17	153272 A	041.01	31
100907 J	061.00	34	151814 B	057.00	19	153280 F	060.01	57
100907 Z	061.01	51	C 151814 B	057.00		153302 A	020.20	2
	061.11	62	151815	057.00	20	153375 D	055.10	2
100919 B	035.00	7	153003 D	023.00	5	153376 A	055.10	3
	035.10	28	153010	020.00	10		070.00	13
101023 Q	061.01	56	153012 A	020.00	11	153381 B	011.00	13
101023 Y	070.10	20	153012 D	020.00	13	153402 R	029.00	3
B 10168	035.00	20	153014 C	014.00	1	153462 P	068.00	7
	035.10	16	A 153015 G	020.01	40	153551 A	023.00	26
B 10168 D	055.10	15	153018	020.00	8	153554 A	020.00	30
111215	060.01	43	153020 B	020.20	4	153580	045.00	12
116015 B	017.02	22	153022 D	023.00	7	153610	017.01	2
116015 R	035.00	10	153023	020.00	26		078.00	3
	035.10	24	153024	020.00	31	153645 A	060.01	41
116530	070.20	25	153029	023.00	13	C 153645 A	060.01	
116861 B	017.01	10	153030	020.00	20	153655	023.00	23
	041.00	2	153031 D	011.00	16	153707 L	020.10	1
117488 X	060.01	50	153032	023.00	3	A 153707 L	020.10	
117496 B	080.00	7	153037 A	020.00	22	153732	045.00	11
118013 K	070.00	29	153038 A	020.00	23	153751 A	020.01	45
	070.10	29	153042	011.00	8	153752 L	002.30	3
118013 N	014.00	5	153044 C	011.00	6	153754 U	002.30	1
	020.00	19	153047 A	023.00	14	A 153754 U	002.30	
118013 Z	011.00	18	153048	023.00	16	153785 A	035.03	92
118091 B	020.01	43	153050 D	080.00	12		035.11	50
Y 11813 K	070.20	39	153053	080.00	11	153785A	035.03	92
118566 X	017.00	7	153058	080.00	18	153789	208.00	15
	029.10	19	153061 B	080.00	23	153790	208.00	16
	093.00	19	153063 E	020.01	42	153883 B	002.01	21
	093.10	21						
	093.30	11						

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VHP SERIES FOUR 12 CYLINDER PARTS NUMBER INDEX

NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
153884 B	002.00	12	159625 C	060.00	33	AE 167600 N	055.00	
153895 A	041.00	21	159991	078.00	15	E 167600 N	055.00	1
	041.10	19	161264 M	055.00	11	167602 B	055.00	17
153896 B	042.00	14	161309 C	060.00	6	167602 C	055.00	17
153978 D	002.40	11	161339	060.01	48	167907 J	035.11	37
153982 F	002.40	15	161340 B	060.01	49	168006 A	035.02	68
153990 A	041.00	13	161341	060.01	47		061.01	58
153994 C	002.20	28	161345 A	060.01	52		061.11	64
154059 E	060.00	20	161405	093.10	18	168055	042.00	5
154813 N	035.01	52	161541 F	070.00	8	168055 A	042.00	6
	035.02	85		070.10	11	168282 M	035.00	1
	070.00	20		070.30	9	168282 N	035.00	1
154813 T	029.20	17	161579 B	263.00	2		035.10	9
	093.00	38	161694 C	070.10	22	F 168282 N	035.00	
	093.10	37	161703 A	029.00	2		035.10	
	093.30	15	161842	023.00	27	H 168282 M	035.00	
154813 W	070.10	32	162192 C	035.00	8	168284 E	035.00	25
154909 E	068.00	5		035.10	27		035.10	10
154909 F	070.10	24	162782 A	002.30	2	168290	061.00	4
154971 B	061.00	12	163211	045.00	8		061.10	6
	061.10	13	163212 B	045.00	2	168290 B	041.00	12
T 154971 B	061.00	11	163213 A	020.20	3	168314 G	208.00	18
	061.10	12	164004 D	035.00	12	168315 K	208.00	17
154981 A	061.11	40		035.10	26	168316 F	035.00	30
154981 B	093.50	26	164076 G	035.10	5		035.11	40
154981 F	035.00	18	164181	208.00	4	168317 E	035.00	30
	035.10	20	164182	208.00	5		035.11	40
154981 J	060.00	16	164464 T	060.00	39	168318 B	208.00	19
154981 L	061.11	41	164464 U	060.00	39	168319 B	208.00	20
155248 F	029.00	4	164560 C	041.00	3	168329 C	035.00	29
155248 G	035.03	88	164688	029.20	21		035.10	14
	035.11	46		035.00	36	168334 B	027.00	20
155997	017.01	32		035.00	37	168334 E	027.01	34
156303	080.00	22	164972 H	017.01	34		070.00	24
156304	080.00	21		263.00	1	168335	035.00	24
156305 B	080.00	20	166192 K	014.00	11		035.10	11
A 156308 C	014.10	2	166415	070.00	21	168370 G	020.01	51
156476 C	041.01	25	166416	070.00	22	168370 K	020.01	52
156476 Z	041.01	25	A 166417	070.00	23	168373 A	070.00	2
C 156600 X	014.00	7	A166417	070.00	23		070.10	2
156738	061.00	13	166420 B	070.00	1	168427 T	017.00	21
	061.10	14		070.10	1	168439 M	017.00	6
157475 J	060.00	10	166572	014.00	8	168504 D	035.03	104
157635	017.01	15	166580 J	070.20	23	168504 E	035.03	104
	061.00	24	166990 D	070.10	26	168504 F	035.03	104
	061.10	25	166990 E	070.00	26		035.11	59
158404	014.00	18	A 166990 D	070.10	25	168510	041.00	14
158405	014.00	19	A 166990 E	070.00	25	168514 B	020.00	5
158417	033.00	9	166991 A	070.00	27	A 168527 F	035.11	
	033.10	8		070.10	27	C 168527 F	035.03	
	208.01	33	166992 A	070.00	30	C 168528 F	035.03	87
158876	057.00	13		070.10	30		035.11	45
159364 C	093.00	25	A 166993 C	070.00	28	168597	071.00	7
	093.10	24	A 166993 E	070.00	28	168660 B	055.00	17
	093.50	8		070.10	28	168660 C	055.00	17
159447 C	208.01	34	167160	061.00	20	168665 A	017.02	13
159578 A	060.01	46		061.10	21	168665 B	017.00	38
159580	060.00	24	167392	078.00	12	168681 K	077.00	7
A 159581 E	060.00	4	167409	078.00	29	168700	027.01	31
159624	060.00	32	167424	078.00	27	168847 F	093.00	1
159624 G	060.00	31	167425	078.00	28		093.10	15

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VHP SERIES FOUR 12 CYLINDER PARTS NUMBER INDEX

NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
168847 R	031.00	8	H 169995 A	070.20	6	Y 18813 K	002.40	5
168899	041.01	26	169996 B	070.20	10		017.02	8
168922 M	055.00	8	169997 C	070.20	11		020.01	49
168922 N	055.00	19	169998 A	070.20	12		035.02	63
168934 B	035.00	5	176247 C	061.00	36		035.02	75
	035.00	11		061.11	47		035.03	97
	035.10	31	176450 F	002.01	19		035.11	57
168934 X	035.10	23	176450 G	002.01	20		041.00	24
168991 L	022.20	7	176549 J	002.40	13		041.10	18
169013 G	017.00	36	176586	077.00	9		042.00	11
	230.00	15	176775 M	002.40	16		060.01	54
169013 K	093.00	2	176775 N	002.40	2		061.00	11
	093.10	8	176883	002.30	10		061.10	11
	093.30	22	176883 D	060.00	30		068.00	20
169013 L	263.00	5	176883 E	002.30	11		070.01	42
169013 N	253.10	7	177041	045.00	19		077.00	17
169013 P	055.10	11	177053	029.10	21		208.01	30
169013 R	002.40	3	177053 D	068.00	14		214.00	16
	069.00	9	177381 A	070.00	31		223.00	22
169013 U	031.00	10		070.10	31		230.00	16
169013 V	263.00	5	177487 G	055.10	10		253.10	6
169062	042.00	9	177487 K	253.00	17		263.00	8
J 169122	070.00	25	177488 F	035.02	71	Y 18813 M	041.10	13
169158	029.10	17		035.02	72		055.00	16
169180 C	208.00	1	Y 18610	070.00	32		061.00	32
169180 K	208.00	1	Y 18802	004.00	10		061.10	31
169514	022.20	8	Y 18813 G	022.00	5	Y 18813 P	035.00	33
169561 A	061.10	1		022.20	13		035.11	43
169568 A	041.10	9	Y 18813 H	002.20	24	Y 188313 H	029.10	7
169568 D	214.00	1		002.20	27	Y 188313 K	029.10	30
169576 B	077.00	20		002.40	23	Y 19108	070.10	25
A 169632 E	061.10	5		017.00	25	194635 E	002.40	19
A 169632 K	061.00	3		017.01	39	194681	070.20	6
169760	070.00	7		017.02	14	194769	002.40	14
	070.10	6		020.10	17		093.00	4
169829 C	014.10	6		022.20	6		093.10	19
169847 C	070.20	26		027.01	28		093.40	9
169847 D	035.03	103		035.01	50		093.50	7
	035.11	60		035.02	58		263.10	17
169856 A	017.01	22		041.01	29		263.10	22
169869 A	017.01	5		055.10	13		263.11	31
169871	017.01	9		061.00	27	194769 A	093.00	5
F 169871	017.01	8		061.01	45		093.10	7
169872	017.00	37		061.10	28		093.50	2
	017.01	19		061.11	56	194769 E	017.00	3
169873	017.01	18		068.00	24	194769 G	017.00	9
169874	017.01	17		070.01	34		017.00	12
	017.01	23		070.10	9		029.10	18
169874 B	035.01	38		070.20	17		069.00	13
169874 D	017.00	13		071.00	5	194769 H	002.40	17
169875	017.01	11		093.00	41		055.10	18
169876 A	017.01	16		093.10	14		069.00	17
A 169876 B	017.01	1		093.30	25	194769 J	263.10	22
169877	017.01	12		093.40	4	194769 K	020.20	14
169878	017.01	13		093.50	6		029.10	22
169879 C	017.01	30		208.00	12		070.20	34
169892 J	002.30	9		223.00	17	194769 L	068.00	12
169969 W	017.02	3		230.00	9	194769 P	070.20	31
169969 X	017.02	4		253.00	19	194840 H	069.00	6
169994 D	002.01	23		263.10	4	194936	223.00	15
169995 A	070.20	13	Y 18813 J	002.10	12			

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VHP SERIES FOUR 12 CYLINDER PARTS NUMBER INDEX

NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
199030 H	035.00	9	A 199805 M	223.00	10	204105 X	004.00	4
	035.10	25	A 199806 C	223.00	11	204141 J	041.10	1
199083 B	017.01	14	A 199806 D	223.00	11	AC 204165 A	002.20	
199083 C	080.00	17	A 199807 2	23.00	9	C 204165 A	002.20	9
199108 A	029.10	2	199809 B	069.00	10	AC 204166 A	002.20	
199108 C	093.00	39	A 199868	061.00	10	C 204166 A	002.20	2
199109 B	093.00	27		061.10	12	204169A	002.20	16
	093.10	2	199942	042.00	4	204205 J	004.00	3
	093.30	4	199942 A	042.00	7	204205 N	004.00	3
199109 F	002.40	12				204209 C	002.00	6
199110	093.50	18	-2-			204209 D	002.00	7
199111 B	002.40	25	200012 K	011.00	7	204230 R	004.00	13
	093.00	6	200016 D	023.00	18	204235 B	002.00	15
	093.10	17	200027	023.00	1	204235 C	002.00	13
	093.30	9	200034 E	020.20	1	204241 P	041.00	1
	263.10	18	200050	023.00	2	204335 B	002.00	16
	263.11	27	200054 C	045.00	1	204335 C	002.00	14
199111 C	093.00	7	200057 T	057.00	1	204336 B	002.00	17
	093.10	20	200083 B	080.00	9	204336 G	002.01	18
	093.30	10	D 200091	020.00	25	204336 H	002.01	18
199111 D	029.10	14	200115 M	023.00	17	204337	002.01	18
	029.20	6	200117 N	020.00	4	204339	002.20	25
199111 E	029.20	9	A 200122 F	011.00	14	A 204342 X	042.00	1
	263.10	16	A 200122 H	011.00	14	KA 204342 X	042.00	
	263.11	25	A 200125 D	011.00	15	MA 204342 X	042.00	
199111 F	070.20	2	A 200125 F	011.00	15	204436 A	002.00	17
199111 G	068.00	9	200146 K	020.00	2	A 204442 E	042.00	2
199111 J	017.00	31	200149 J	020.00	3	A 204478	078.00	2
199111 K	002.40	1	200157 E	057.00	2	A 204542 E	042.00	
	055.10	8	200161 B	060.00	25	J 204677	077.00	1
	069.00	7	A 200184 C	080.00	8	A 204823 E	023.00	11
199111 M	070.20	36	A 200185 B	080.00	10	AA 204823 E	023.00	11
199111 Y	263.00	3	200214 K	014.00	10	205002 F	002.00	1
199168 A	011.00	2	200224	014.00	24	A 205002 F	002.00	
199287	070.20	24	200224 A	014.00	32	AC 205002 F	002.00	
199331	011.00	22	C 200224 A	014.00	31	C 205002 F	002.00	
199331 C	011.00	22	E 200224	014.00	23	CA 205002 F	002.00	
199515 G	027.01	33	A 200245 F	045.00	6	CC 205002 F	002.00	
199528	045.00	17	200251 C	080.00	15	205100 C	002.01	22
	057.00	15	X 200282 E	080.00	6	205100 V	002.01	22
199598 P	055.00	28	200351 A	080.00	16	205130 T	004.00	13
199703 F	014.00	39	200380	080.00	1	A 205210	004.00	12
199763 N	061.00	14	A 200380	080.00		205304 V	004.00	1
	061.10	15	AA 200380	080.00		205304 W	004.00	1
199764 A	223.00	8	A 200411 D	011.00	1	205504 L	004.00	1
199765 A	061.00	15	A 200420	020.00	1	A 205507 E	004.00	7
	061.10	16	200456 C	060.00	9	205604 L	004.00	1
199766	061.00	28	200463 C	060.00	12	207066 D	071.00	1
	061.10	29	A 200520	020.00		207147 D	223.00	25
199767 G	061.00	16	200526 D	023.00	12	207147 U	093.30	21
	061.10	17	200695 N	011.00	21	207201	017.01	6
199769	223.00	12	200960 D	060.00	11	207202	017.01	4
199769 D	223.00	13	G 200960 D	060.00		207266 B	035.10	9
199770 B	061.00	22	202004 C	004.00	1	207267 A	035.10	9
	061.10	23	202005 G	004.00	5	207268 C	035.10	9
A 199800	223.00	2	202205 C	004.00	4	207269 A	035.10	9
D 199801	223.00	1	204072	041.00	9	207313 K	029.10	9
A 199802	223.00	6	204072 A	041.00	10	207313 U	070.20	37
A 199803	223.00	7	E 204072	041.00	8	207313 Y	070.20	18
A 199804	223.00	3	F 204072 A	041.00	8	207315 K	093.40	7
A 199805 C	223.00	10	204105 T	004.00	4		093.50	24

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NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
207329	023.00	22	208479 C	069.00	1		093.10	31
20751 J	070.00	19	208497 G	253.00	16		093.50	15
	070.10	19	208497 H	253.00	15	209478 D	029.10	13
A 207530 C	208.01	35	208497 J	253.00	14	209478 E	029.10	1
D 207531 A	208.00	3	208505	253.00	13	209491 E	070.20	20
	208.00	8	208540 D	061.00	1	209492 E	070.01	43
K 207531	208.00	8	208544 A	020.10	18	209492 F	070.20	21
207534 A	020.10	24	208545 K	020.10	20	209492 G	070.10	17
207535	020.10	25	208601 A	020.10	8		070.20	42
207585	017.00	8		080.00	34	209493	093.00	44
207585 A	055.10	17	208601 B	017.00	32		093.10	34
207592 C	022.20	16	208611	020.10	14		093.30	2
207735	070.20	8	208678 B	223.00	16	209529	055.00	10
207806	027.00	11	A 208689 D	017.00	34	209530	055.00	6
207822 G	027.00	2	208706 T	077.00	13	209531	055.00	7
207823 G	027.00	3	C 208743	035.02	69	A 209531	055.00	
207824 N	027.00	18		061.01	59	209532	055.00	9
207824 R	027.00	18		061.11	65	A 209539	055.00	5
207825	027.01	35	AC 208796	070.01		209552	055.00	24
	093.00	26	C 208796	070.01	34	209552 A	055.00	23
	093.10	28	208816 L	078.00	8	209552 B	055.00	25
	093.50	12	208816 M	078.00	9	209552 D	055.00	26
207826 L	029.00	1	208816 N	078.00	10	209561 T	031.00	9
	035.10	1	208816 P	078.00	11	209577 B	208.01	25
207826 N	029.00	1	C 208882 A	069.00	14	209577 C	208.01	25
207827	027.00	7	208888 A	070.01	34	209590	055.00	4
207828	027.01	37	208889 A	070.01	34	A 209617	060.01	55
	093.00	8	208936	077.00	10	209667	011.00	4
	093.10	30	208938 D	077.00	26	209672	253.00	5
	093.50	14	208938 F	077.00	27	209672 B	253.00	24
207829	027.01	36	208938 G	035.02	61	209672 C	253.00	9
	093.00	24	208938 J	077.00	14	209681	027.00	4
	093.10	29	208939	078.00	1	209683	070.20	33
	093.50	13	208943	078.00	6	209749 U	070.20	35
207830 B	027.00	21		078.00	23	209792 W	017.01	37
207831	027.00	16	208949 B	078.00	22	209792 Z	017.00	20
207832	027.00	17	208952	077.00	22	209805 E	061.11	46
207833 A	027.00	24	208955 A	020.10	2	209816 A	017.02	1
207838	027.00	19	209048	061.00	23	209824 E	069.00	3
207839	208.01	32		061.10	24	209927 E	068.00	6
207839 F	208.01	32	209075 A	020.10	13	209933 A	208.00	24
208063 H	061.01	49	209085 C	035.01	41	209948	069.00	4
	061.11	60	209085 D	017.01	33	209948 A	069.00	2
208112 G	070.00	6	209151 E	061.10	33	209953 J	069.00	12
	070.10	7	209155 B	033.00	5		069.00	15
F 208114 A	070.00	33		033.10	5	209958 A	263.11	28
B 208117	070.00	5	209155 C	027.00	8	209958 B	263.10	19
	070.10	5	209246 B	014.10	7	209972 B	061.01	40
208166 A	208.00	21	209246 C	014.10	8		061.11	51
208166 B	208.00	22	209270 G	253.00	1	209973	061.01	43
A 208272 A	208.00	2	209353 G	263.10	1		061.11	54
A 208272 G	208.00		209353 H	263.10	1	21004	061.00	17
208346 P	061.01	53	209353 J	263.10	1		061.10	18
	061.11	58	209353 K	263.10	1	21012	023.00	15
208349 A	208.01	36	209353 M	263.10	3	21013	080.00	13
208377 A	208.00	17	209353 T	263.10	1	21050	022.00	4
208378 A	208.00	18	209353 U	263.10	1		022.20	14
208472 B	020.10	6	209418 B	071.00	2		035.03	94
A 208472	020.10	7	209424	027.01	38		035.11	53
208473 F	068.00	16		093.00	9		060.00	23
208478	068.00	17					208.00	7

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NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
21051	230.00	13	21053	093.30	23	211194 D	253.00	6
	290.00	4		093.40	5	211196	002.30	6
	017.01	7		093.50	3	A 211200 B	070.20	27
	020.10	9		208.00	11	211220 X	033.00	2
	029.20	19		223.00	19		033.10	2
	031.00	5		230.00	10	211220 Y	033.00	3
	031.00	17		253.00	20	211221	033.00	4
	035.01	54		263.10	5		033.10	3
	035.02	83		020.00	28	211291 C	214.00	18
	061.01	38		002.20	22	211297	020.01	50
	061.11	49		002.30	13	211412 B	035.03	100
	070.01	38		002.40	7		035.11	51
	093.00	14		014.00	20	A 211416 A	068.00	13
	093.10	39		017.00	26	211442	060.00	17
21052	093.30	17		017.01	21	211442 A	060.00	7
	223.00	19		017.01	27	211456 A	035.10	2
	263.10	12		017.02	26	211503	011.00	3
	002.30	15		020.01	48	211514	080.00	28
	002.40	21		020.10	11	A 211551 T	029.20	10
	014.10	5		022.00	8	211565 A	080.00	33
	017.00	23		027.00	23	211596 W	068.00	10
	017.01	40		031.00	3	211629 K	070.20	1
	017.02	15		035.01	43	211637	035.03	89
	020.00	15		035.02	64		035.11	47
	020.00	33		035.02	76	211638 B	011.00	12
	020.10	23		035.03	98	211670 D	002.10	13
	020.20	7		035.11	42	211700 M	035.01	40
	022.20	5		041.00	8	A 211714 V	029.20	5
	023.00	9		041.00	23	A 211714 X	029.10	4
	027.01	29		041.10	6	A 211714 Y	029.10	3
	029.10	11		041.10	17	21173	022.20	15
	031.00	14		045.00	5		035.03	95
	035.00	27		057.00	4		035.11	54
	035.01	51		060.00	36		060.00	22
	035.02	81		061.00	8		230.00	14
	035.03	91		061.10	9	211755 L	035.02	56
	035.10	13		068.00	21		035.02	67
	035.11	49		070.01	41	211755 M	035.01	48
	041.01	28		070.30	4	211755 R	029.10	27
	045.00	15		077.00	18	211755 T	017.00	40
	055.10	4		078.00	14	211755 U	093.00	43
	057.00	12		078.00	25	211761 D	070.01	35
	060.00	29		080.00	26	211761 S	070.10	14
	061.00	18		093.50	31	211761 T	070.00	11
	061.01	42		208.01	29	A 211761 K	035.01	39
	061.10	19		214.00	15		035.01	46
	061.11	53		223.00	21	A 211761 X	035.01	46
	068.00	18		230.00	17		035.02	66
	070.00	3		253.10	5	211782 A	253.00	18
	070.00	16		263.00	7	211782 A	Warnings	5
	070.10	3		290.00	5	211790 A	002.20	1
	070.20	4	21055	041.10	14	C 211790 A	002.20	
	070.20	14		057.00	7	A 211792 C	002.10	1
	071.00	4		057.00	23	211793 A	002.00	5
	077.00	12		253.10	1	211795 A	002.10	6
	078.00	5	B 2108 B	023.00	21	211796 A	002.10	7
	078.00	31		071.00	6	A 211797 G	022.10	3
	080.00	4	21108	035.02	78	211798 E	002.20	5
	080.00	32	211084	093.40	12		002.20	12
	093.00	20	211187	093.50	20	211801	002.00	2
	093.10	10	211194 C	253.00	2	211801 2	002.00	2

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NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
2118012 J	002.00	2	21191	020.20	10	21290	022.00	11
211801 3	002.00	2	211910 S	253.00	22	21306	041.01	32
211802 B	002.00	3	211910 W	069.00	19	21309	223.00	18
211802B 2	002.00	3	211910 J	Warnings	9	21312	017.01	8
211802B 3	002.00	3	211910 K	Warnings	6	21313	031.00	15
21181	029.20	20	211910 N	Warnings	8	21315	020.10	10
	031.00	16	211911	069.00	18		020.10	12
	035.01	55	211911 C	Warnings	7		041.00	18
	035.02	84	211920 H	022.00	2		041.01	33
	061.01	39	211920 D	Warnings	4	21317	033.00	8
	061.11	50	211920 E	Warnings	2		033.10	7
	070.01	39	211920 F	Warnings	1	21338	057.00	11
	093.00	15	211920 J	Warnings	10	21339	041.01	40
	093.10	40	21193	060.00	28		041.10	24
	093.30	18		061.00	25	21340	093.50	35
	263.10	13		061.10	26	21343	020.01	39
211819 A	002.20	4		070.01	34		022.20	11
	002.20	11	211930 A	Warnings	1		041.01	27
211820 B	002.10	2		Warnings	3		061.01	41
A 211820	002.20	7	211943 B	029.20	2		061.11	52
	002.20	14	211944	029.20	1		093.00	13
211821	002.00	4	211946	029.10	8		093.10	16
211830	002.10	11	211948	029.10	20		093.30	24
211853 M	020.01	56	211950	035.00	3		208.00	10
211857 B	017.00	1	211953 B	029.20	12	21346	020.10	19
211858 B	017.02	23	211953 C	029.20	11		045.00	14
21186	002.20	31	211954	029.20	13		055.10	12
	022.10	9		093.00	23		070.20	41
211887	017.01	3		093.10	36	21348	002.40	20
211887 A	017.01	3		093.30	14		020.00	32
	078.00	7	21197	002.10	8		022.20	9
211887 B	078.00	7	211990	070.01	36		029.10	23
21189	002.40	22	21205	017.00	28		031.00	12
	017.00	24		017.01	28		035.01	49
	017.02	16		017.02	10		070.20	16
	020.10	22		035.01	44		093.40	13
	020.20	8		035.02	77		093.50	25
	027.01	30		035.03	99		208.00	13
	029.10	28		035.11	58		223.00	18
	031.00	13		060.00	37		253.00	21
	035.02	60		061.10	10	21350	014.10	4
	055.10	14		214.00	17		023.00	8
	061.00	9	21209	045.00	22		035.02	59
	061.01	46		070.30	5		061.00	19
	061.11	57		080.00	25		061.10	20
	070.00	15	21219	002.10	4		070.10	10
	070.10	8	21225	041.10	15		077.00	11
	070.20	15	21227	002.20	8		078.00	4
	070.20	19		002.20	15		080.00	3
	071.00	3	21233	035.00	35		093.00	45
	093.00	16		035.11	44		093.10	9
	093.10	11	21247	014.00	9		093.30	7
	093.30	26	21251	060.00	1	21352	017.02	12
	093.40	6	21271	022.00	3		020.10	15
	093.50	5	21273	060.00	21		022.20	10
	208.00	14		208.00	6		027.00	25
	253.00	23	21275	035.03	93		035.00	26
	263.10	6		035.11	52		035.02	57
211893	290.10	3		230.00	12		035.10	12
211896	027.00	1	21280	035.03	93		061.01	44
211896 A	027.00	1	21288	290.00	3		061.11	55

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NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
21354	068.00	27	214067 M	093.00	34	214163 A	263.11	24
	070.20	3		093.10	4	214163 B	263.11	23
	080.00	30		093.50	1	214163 C	263.11	23
	208.01	27	214067 P	093.00	35	A 214163 E	263.11	24
	017.01	41		093.10	3	214168 A	263.10	7
	027.00	26		093.30	3	214168 B	263.10	10
	035.03	90	214067 R	093.00	36	214168 D	263.10	9
	035.11	48		093.10	5	214168 E	263.10	8
	061.01	57		093.30	6	214168 K	263.10	7
	068.00	25	214067 S	093.00	33	214168 L	263.00	4
21357	070.00	10		093.10	13	214168 X	263.00	4
	070.10	15		093.50	4	214171 B	263.11	32
	023.00	8	214067 T	093.10	12	214172	263.10	14
	033.00	10		093.30	8	214174	263.11	29
21360	033.10	4	214067 V	093.00	37	214175	263.10	15
	033.00	7		093.10	6	214177 B	263.10	10
	033.10	9		093.30	5	214177 C	263.10	8
	061.00	21	214067 Y	093.40	8	214177 D	263.10	9
21362	061.10	22	214069	093.50	29	214177 E	263.10	8
	070.20	9	214070	093.50	30	214177 G	263.00	4
	070.20	40	214071 B	093.00	22	214177 H	263.00	4
	014.10	9		093.50	33	214178	263.10	7
21365	068.00	23		093.40	10	214178 A	263.10	7
	070.20	22	214072 A	031.00	4	A 214179	029.20	8
	230.00	11	214073	070.20	38	214188 C	093.00	31
	020.00	14	214076 B	017.02	5	214191 A	263.00	4
21367	029.10	10	214076 C	017.02	6	214191 B	263.00	4
	017.00	39	214077	022.00	6	214229	002.01	19
21370	020.20	5	214078	290.00	2	21423	077.00	24
21371	080.00	31	214079 A	230.00	4		230.00	18
21373	029.00	5	214080 G	230.00	3		253.10	4
21374	263.10	2	214083	041.01	37	214230	002.00	12
	035.10	7		041.10	21	21425	014.00	21
	263.10	2	214084 A	041.01	38		027.00	22
	020.00	29		041.10	22		035.02	62
21395	029.10	15	214086	022.20	4		035.03	96
214000	029.10	24	214087	022.20	3		035.11	55
214000 A	027.00	1	214093	093.40	3		070.01	40
214007 B	027.00	1		093.50	23		077.00	15
214007 C	069.00	16	214096	253.00	11		223.00	20
214009 R	069.00	11	214100 J	070.00	11	21428	035.03	96
214009 Y	017.00	10	214100 K	070.00	12		061.00	6
214009 Z	017.00	2		070.30	12		061.10	7
214032 K	020.00	9	A 214100 H	070.30	2		077.00	16
214044	020.00	6	A 214100 L	035.01	45		078.00	13
214045	031.00	1	A 214100 M	035.02	65		093.50	32
214046	070.20	32	214105	055.10	1		263.00	6
214055 B	033.10	1	214106	017.00	16	21430	041.00	7
A 214057	033.00	1		017.00	22		045.00	4
A 214057 B	093.00	32	A 214107 A	017.00	14		045.00	9
21406 T	093.50	19	A 214108 A	017.00	19	21431	002.40	4
214065	070.10	16	A 214108 B	017.00	15		017.00	30
214066	093.00	29	A 214111 A	017.00	35		017.01	25
214067 B	093.40	1	214112 A	017.00	33		029.10	29
214067 E	093.50	21	214118	230.00	5		031.00	2
	002.40	24	214120	035.02	73		035.11	41
	093.50	22	214129 B	069.00	8		041.00	22
	093.00	30	A 214129 D	029.20	7		041.10	7
214067 F	093.30	19	214130	017.00	41		057.00	3
214067 G	093.50	28	214154	055.10	9		061.00	7
214067 H			214160	011.00	29		061.10	8

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	078.00	24	26249	020.10	16		093.30	16
	080.00	35	26398 A	042.00	10		223.00	17
	214.00	214	26418	002.20	18		263.10	11
21433	002.30	12	26467	253.00	7	B 2793 D	060.01	58
	017.00	27	26470	020.20	9	28159	002.20	6
	017.02	2	26474	035.00	34		002.20	13
	035.01	42	26547	004.00	11	28234	011.00	10
	035.03	101	26594	057.00	21	28253	060.01	59
	035.11	56	26710	230.00	6		078.00	16
	041.10	16	26730	023.00	4	28267	208.00	23
	214.00	14	26734	080.00	14	28269	020.20	13
21435	017.00	18	26738	011.00	17		078.00	30
	017.01	20	26743	014.00	6	28272	002.20	20
	017.01	24		078.00	18		060.01	45
	017.02	7	26745	033.00	11	28276	020.00	12
	060.00	34	26750	020.10	26	28283	017.02	11
	208.01	26		027.00	27		035.00	32
	290.00	6		035.00	28	28311	093.00	12
21437	017.00	29		035.11	39		093.10	26
	017.01	26		041.10	3		093.50	10
	060.00	35		060.01	40	28339	029.20	15
	208.01	28		070.00	14	28346	027.00	15
21438	017.00	17		070.10	12		029.20	14
21439	060.01	53		070.30	10	28357	027.00	10
21441	017.01	42		077.00	4		027.01	40
21442	045.00	10		263.10	21		093.00	42
21444	068.00	19	26774	002.10	5		093.10	25
21448	223.00	5	26786	041.00	20		093.10	33
21465	057.00	22		041.01	35		093.50	9
21466	057.00	6	26800	011.00	9		093.50	16
21467	055.00	15	26807	080.00	5	28362	070.20	30
21469	041.10	12	26916	042.00	13	28365	035.02	74
	253.10	2	26932	077.00	21	28405	027.00	14
21470	014.00	22	26938	041.00	16	28406	027.00	13
21472	055.00	22	26941	070.01	34	28411	027.00	12
21489	014.00	12	26943	093.00	11	28415	070.20	29
21519	002.20	21		093.10	27	28462	002.20	10
	042.00	12		093.50	11	28462 A	002.20	19
21538	002.20	30	26947	035.02	80	28468	070.00	4
	022.10	8	26948	230.00	7		070.10	4
21609	041.01	34	26990	014.00	3	28470	223.00	14
21632	020.00	24		023.00	28	28478	041.10	2
21729	041.01	39	26996	023.00	25	28532	061.00	33
	041.10	23	26997	061.00	5		061.10	32
21766	253.00	12		061.10	4	28543	035.03	105
21797	022.20	12	27261 P	080.00	19	B 2857	002.20	17
21982	029.10	5	27432 M	061.00	2	28570	014.00	14
	029.20	3	27432 R	061.10	2		020.01	53
B 2223	080.00	27	B 2747	070.01	34	28587 D	004.00	9
B 2239	014.00	13	B 2747 A	020.20	11	28609	020.20	6
	020.00	7	B 2767	014.00	26	B 2861 D	020.10	21
	020.01	44		014.00	34	B 2861 F	223.00	4
B 2315	020.00	27	B 277	029.20	18	28610	002.20	23
257472 E	041.10	10		031.00	18		002.20	26
26012	041.00	15		035.01	53	28611 A	020.01	46
26030	253.00	3		035.02	82	28612	070.20	7
26118	041.01	36		061.01	37	28641	020.00	35
	041.10	20		061.11	48		029.00	7
26128	027.00	6		070.01	37	28677	002.40	18
	027.01	32		093.00	40		014.00	31
26248	022.00	7		093.10	38		020.01	38

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VHP SERIES FOUR 12 CYLINDER PARTS NUMBER INDEX

NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
	077.00	5	P 312671	017.02	18		070.30	7
	080.00	36	B 355	011.00	24		071.00	9
	263.10	21		014.00	15	48988 L	035.11	38
	263.11	26	B 3568	020.00	34	493023	020.10	4
28697	017.01	29	B 367	011.00	11	493026	020.10	3
28728	011.00	5		014.00	23		022.10	4
28744	011.00	23	39025	002.20	29	493637	214.00	5
28757	093.40	2		022.10	7	493645	214.00	8
	093.50	36	39148	253.00	4	493719	214.00	3
28758	060.00	2	39149	253.00	8	493720	214.00	6
28763	068.00	15	39150	029.10	6	493721	214.00	7
28766	014.00	27		029.20	4	493722	214.00	4
	014.00	35	B 3979	057.00	18	493723	214.00	9
28767	014.00	29				493724	214.00	10
	014.00	37		-4-		494228	035.01	41
28782	002.30	14	41236 A	070.00	17	494383	077.00	13
28785	077.00	19	41236 C	070.00	18	494503	070.20	26
28790	029.20	16		070.10	13	499222	214.00	11
28794 B	002.00	8		070.30	11	499366	214.00	12
28794 D	002.00	9	41236 E	042.00	8	499702	035.10	27
28795	027.00	9		208.00	9	499706	078.00	15
28796	011.00	27	B 420	057.00	10			
28798	002.10	3	B 4203	057.00	8		-5-	
	002.20	3	B 421	057.00	9	B 5220	041.10	11
28799	027.01	39	44081 G	035.00	16	B 557 A	020.01	57
	093.00	10	44083	045.00	3		057.00	14
	093.10	32		057.00	5	B 565	020.00	16
	093.50	17	44408 B	061.10	3	59021 T	214.00	2
290023	017.02	9		069.00	1	59021 U	214.00	2
	020.01	54	44944	060.00	27	59022 T	214.00	2
	035.00	31	44999 C	004.00	6	59022 U	214.00	2
290144	060.00	19	44999 Y	060.01	51			
290193	055.10	6	AA 46033 B	023.00	6		-6-	
290625	035.10	6	47108 F	004.00	8	60999 Z	022.10	9
290625 A	035.10	4	47206 A	004.00	2	B 6280	017.00	11
290625 B	035.10	3	47605 E	004.00	5		077.00	8
292010	055.10	7	47605 S	004.00	5	63378 E	070.20	5
292843	022.10	6	48593	077.00	23	63600	002.30	7
295380 L	002.10	9	48797 L	070.10	23	63602	035.00	15
295448	Warnings	11	48797 M	068.00	4		035.10	22
295477 C	002.00	10	48797 Z	078.00	19	63602 A	035.00	14
295645 L	093.10	1	489112	070.00	8		035.10	29
295645 P	093.10	35		070.10	11	63722 C	029.10	16
295645 T	093.00	21		070.30	9	63722 K	070.10	21
295645R	093.30	1	489113	070.00	8	63722 M	071.00	10
295844 D	057.00	24		070.10	11	63722 N	035.00	13
29607	055.10	5		070.30	9	63809	230.00	8
296146 B	022.10	2	489190	055.00	18	63809 D	029.10	12
296165	020.01	47	489191	055.10	23		223.00	23
B 2984	045.00	20	489192	055.10	24	63970 D	080.00	2
	070.30	3	489193	055.10	22	65110 E	035.00	21
	080.00	24	489196	055.10	21		035.10	17
			489197	055.10	20	65110 X	061.11	43
	-3-		489245	214.00	11	65110 Z	093.00	18
304745 G	002.10	10	489249	055.10	19		093.30	20
305509	022.00	9	489301	055.00	18	65623	060.01	42
305552	014.00	25	489430	002.40	25		061.11	37
	014.00	33	489555	055.10	25	69694 G	022.10	1
305805 V	022.00	10	48988 H	061.01	48	A 69828	022.20	1
305844	022.20	2		068.00	1	69919 D	022.10	9
B 3104	041.00	4						

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VHP SERIES FOUR 12 CYLINDER PARTS NUMBER INDEX

NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM	NUMBER	GROUP #	ITEM
	-7-							
B 715	002.40	6	76567	017.01	38		055.00	2
73413 A	017.02	25	A 76883 A	071.00	12		068.00	8
	020.10	5	A 76883 C	061.01	50		077.00	2
	077.00	25		061.11	61	78282 H	060.00	3
	078.00	21	F 76883 A	071.00	14		077.00	6
	093.00	3	76911	029.00	6		078.00	26
	093.10	22		031.00	11	78282 J	020.01	36
	093.30	13		035.10	8		077.00	3
73629 A	002.00	11	78116	060.01	44	78283 A	041.00	5
73629 B	002.00	11	78201 N	060.00	14	78283 C	042.00	3
740019 A	290.10	7	78204 A	060.00	15	78283 D	020.00	18
C 740045 A	290.10	9		093.50	27		020.01	37
A 740106 D	085.00	2		263.11	30	78283 E	020.00	17
740110 B	290.10	6	78204 B	029.10	25	78283 J	078.00	17
A 740118	290.10	1	78204 E	068.00	11	78390	023.00	20
A 740119	290.10	2	78204 F	035.11	33	78391	023.00	19
A 740120	290.10	5	78204 G	017.01	35	78843 C	060.00	8
AA 740121	085.00	4	78204 H	035.02	70	78899 E	055.00	20
740122 C	085.00	7		070.00	9			
A 740259	253.10	3		070.30	6		-8-	
A 740260	022.20	19	78204 J	061.00	35	WS 808297	031.00	6
A 740262 A	031.00	7	78207 B	061.11	42	810043 B	035.00	16
A 740262 B	031.00	7	78207 S	035.00	6	85761 U	017.01	36
	085.00	5		035.10	30	B 8677	061.11	36
A 740263 B	290.00	7	78208 A	263.10	20	B 881 A	023.00	24
A 740264 B	290.10	9	78208 B	093.30	12	B 8921	061.00	26
A 740265 A	290.00	8	78208 C	002.40	8		061.10	27
A 740267	290.10	9		055.00	13			
A 740267 A	290.10	9	78208 P	068.00	2		-9-	
740269	290.10	9		071.00	13	B 9059	033.00	6
C 740269	290.10	9	78208 Y	263.10	20		033.10	6
A 740271	290.10	8	782088	093.00	28	B 9129	035.00	23
740277	230.00	2		093.10	23		035.01	47
740278	230.00	1	78209 C	035.00	19		035.10	19
A 740283	022.20	20		035.10	21		061.00	31
A 740292	022.20	21		060.00	18	B 9132	020.00	21
AA 740295	085.00	3		061.11	39	B 931 A	011.00	28
A 740297	085.00	6	78209 W	035.00	22	953946	022.20	17
A 740298	085.00	1		035.10	18	954313	071.00	8
740822 A	022.00	1		061.11	44	955204 P	253.00	10
740824 B	290.00	1	78210 H	061.11	45	B 9940	045.00	18
A 740825 A	263.10	14	78210 R	061.01	55		057.00	16
A 740825 B	263.10	14		061.10	34			
74112	035.11	36	78211 A	093.00	17			
74113	014.00	17		093.50	34			
	017.02	19	78211 G	061.01	47			
	068.00	3	78212 C	055.00	27			
	071.00	11		290.10	4			
74176	035.11	35	78212 D	017.02	24			
	061.01	54		029.10	26			
	061.11	59		069.00	5			
	070.30	8	78212 F	017.00	4			
7447 V	017.02	21		093.40	11			
B 7575	061.00	29	78212 V	017.02	17			
	061.10	30	78212 W	017.01	31			
76400	035.00	17	78212 X	035.00	4			
	035.10	15	78282 C	055.00	3			
	055.00	14	78282 D	078.00	20			
	060.00	13	78282 E	055.00	21			
	061.11	38	78282 F	020.20	12			
				041.10	8			

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NOTES

ALWAYS GIVE YOUR MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



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ENGINE PRESERVATION PRODUCTS

THE FOLLOWING ENGINE PRESERVATION PRODUCTS ARE AVAILABLE FROM YOUR WAUKESHA DISTRIBUTOR.

ENGINE PAINT

Maintain your Waukesha engine's original appearance with Engine Paint from Waukesha, designed to provide long-lasting adherence, color retention, durability and weather resistance.

161361	Oil Field Orange	13 Oz. Spray Can
161362	Gray	13 Oz. Spray Can
494008	Gray	1 Gallon Container
494010	Oil Field Orange	1 Gallon Container

ENGINE PRESERVATIVE OIL

Waukesha Engine Preservative Oil has proved to be highly effective and provides a practical and economical solution to storage requirements. For additional information on the use of this product, refer to your engine's Operation And Service Manual.

166709A	1 Gallon Container
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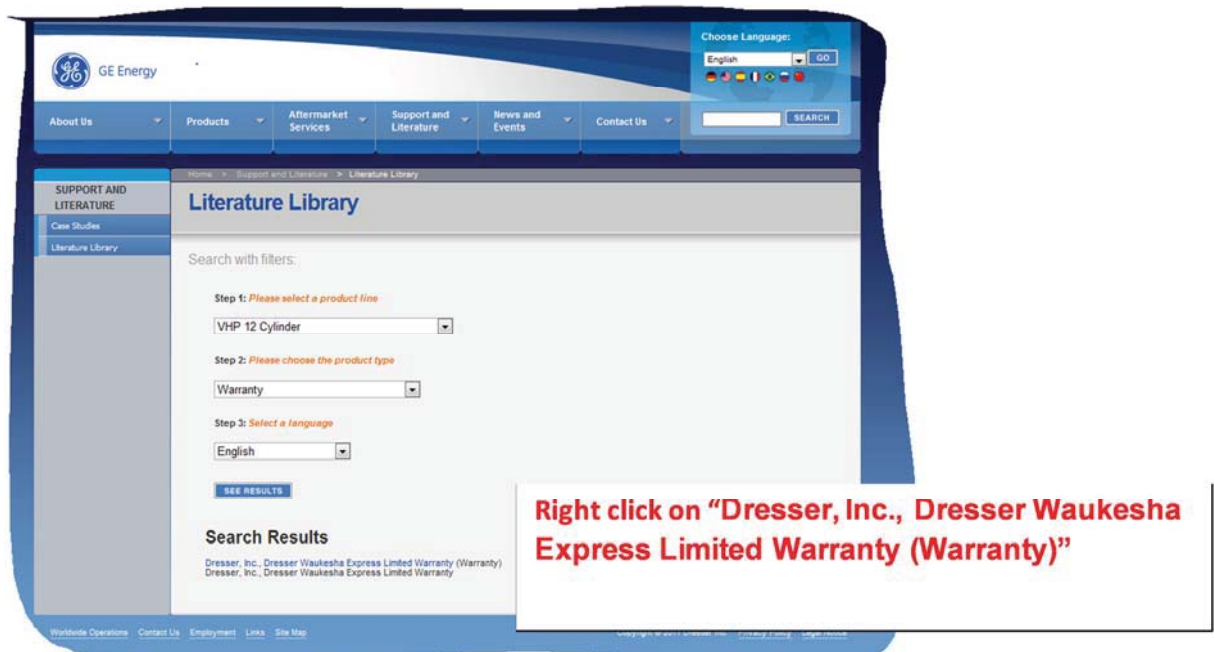
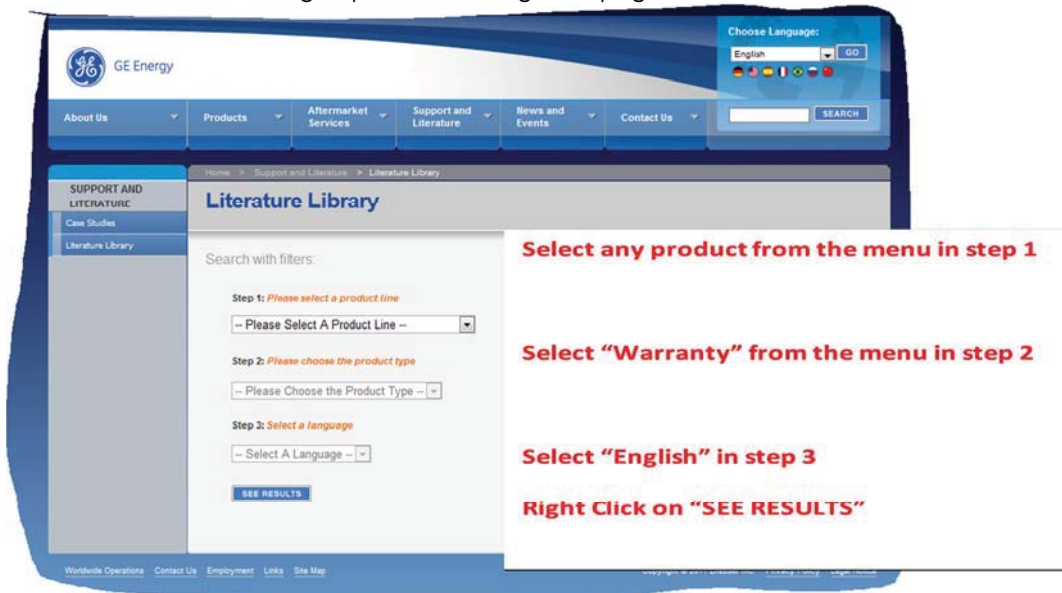
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