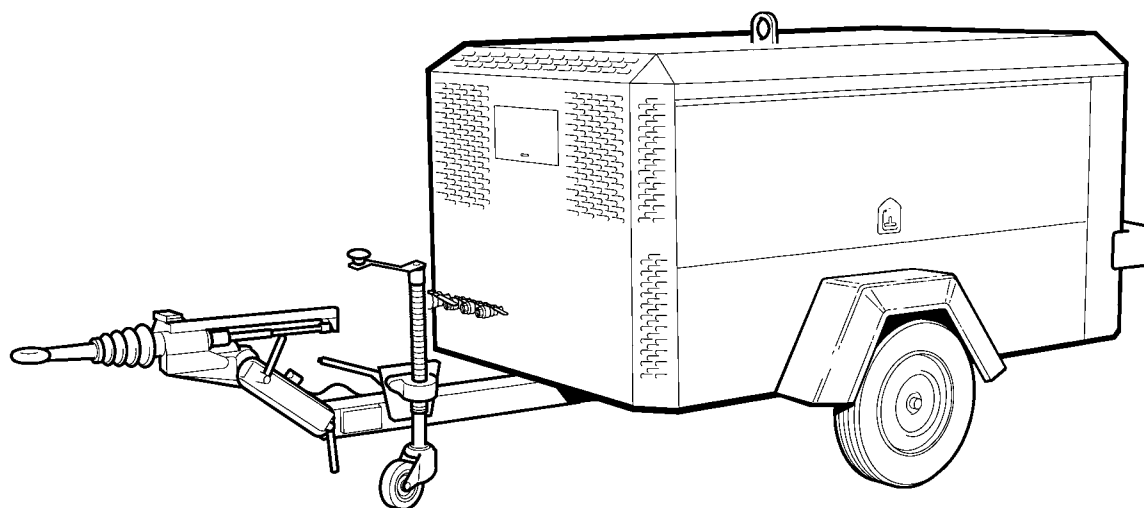


Ingersoll-Rand®

7/120, 9/110, 10/105, 14/85



(GB) PARTS CATALOGUE

(FR) CATALOGUE DE PIÈCES DÉTACHÉES

(NL) ONDERDELENKATALOGUS

(DE) ERSATZTEILLISTE

(PT) LISTA DE PEÇAS

(IT) LISTA RICAMBI

(ES) LISTA DE REPUESTOS

(DK) RESERVEDELSKATALOG

(SE) RESERVEDELSKATALOG

(NO) RESERVEDELSKATALOG

(FI) VARAOSALUETTELO

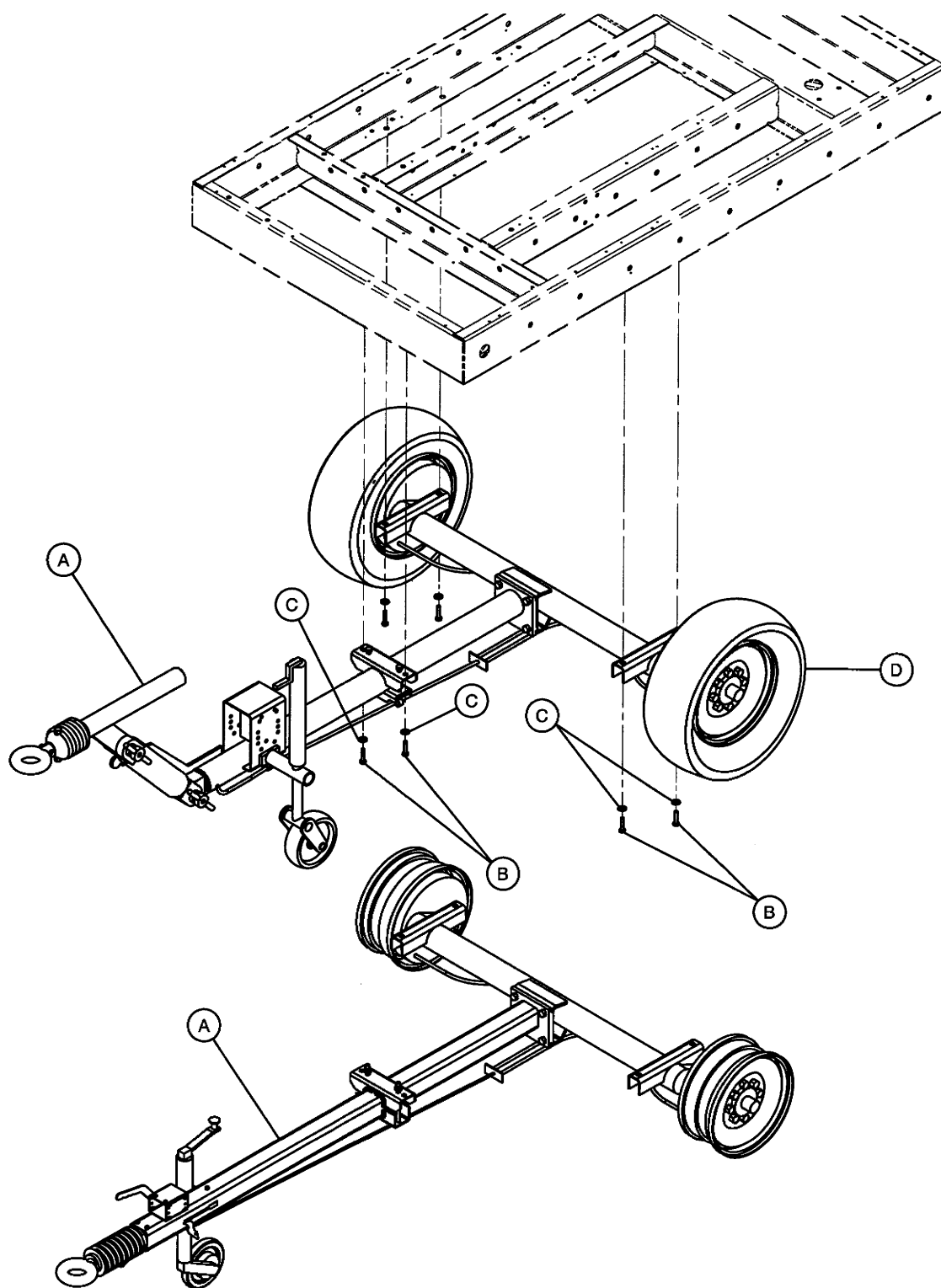
C.C.N : 22231609
DATE : JUNE 2003
Revised (09-12)

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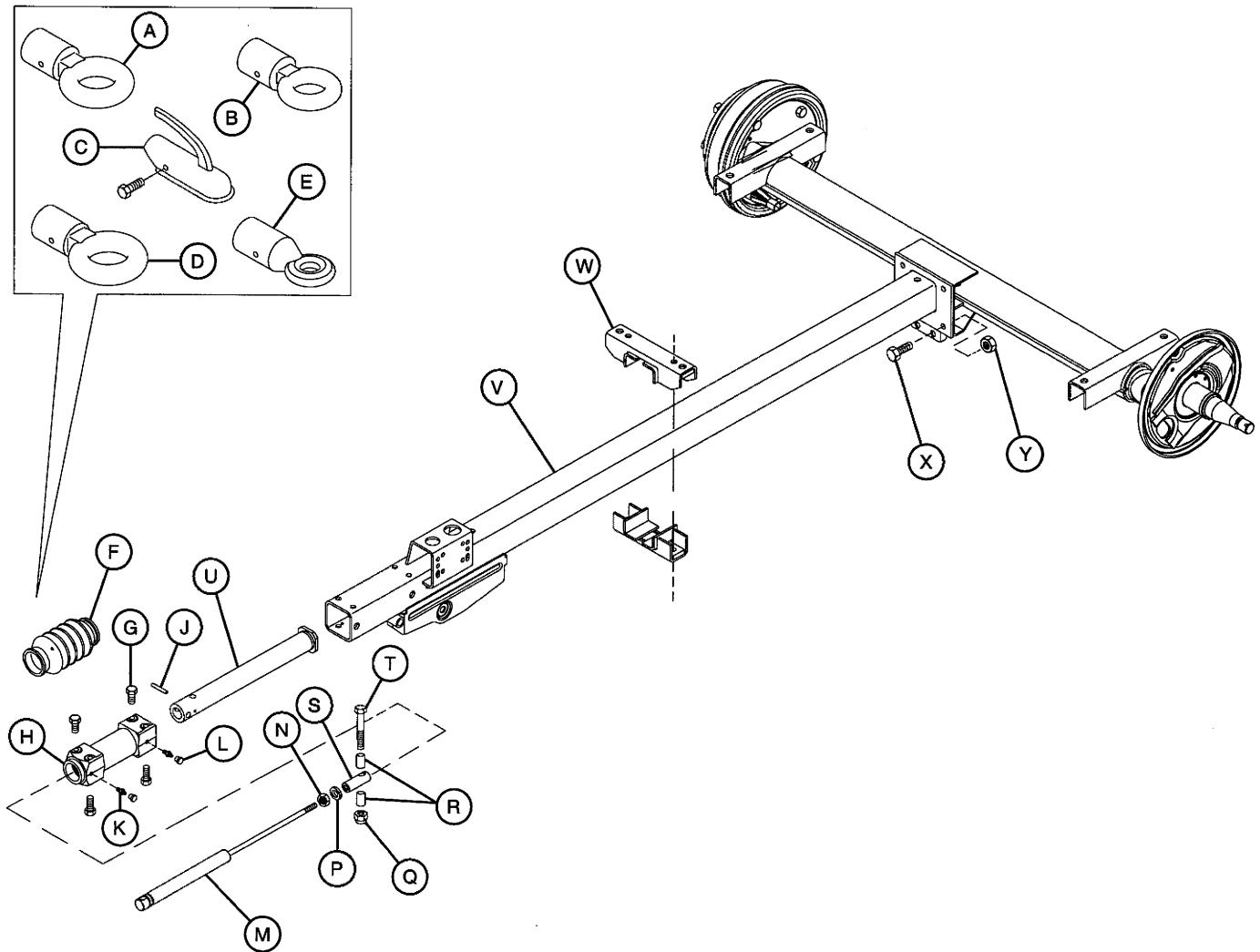
CONTENTS

ESA Frame & Running Gear	ESA Cooling Complete
ESA Drawbar Complete	Exhaust Complete
ESA Fixed Height Running Gear Complete	Minimum Pressure Valve
ESA Variable Height Running Gear Complete	Airend Complete
ESA Brake Light Wiring	Airend Assembly
ESA Engine Complete	OBTV / Oil Filter Mounting
Engine Components:	Oil Temperture Bypass valve
Engine Overhaul Gasket Set	ESA Seperator Tank Complete
Short Block	ESA Service Air Complete
Rocker Arm Cover	Fuel / Water Separator
Rocker Arm Shaft Asm.	Fuel Tank Complete
Cylinder Block Asm.	Air Intake Complete
Cylinder Head Asm.	Air Cleaner Assembly
Oil Pan Asm. and Oil Pump	Battery Assembly
Crankshaft Idle Gears	Wedge Controller
Timing Gear Cover	Inst/Control Panel
Exhaust Manifold and Turbocharger	Wiring Diagram
Air Intake w/ Heater	Panel Schematic
Thermostat Housing	ESA Tail Light Wiring Diagram
Water Pump	ESA Air Piping
Fan Drive and Idler Pulleys	ESA Oil Piping
Injection Pump and Fuel Lines	ESA Enclosure Complete
Fuel Filter	ESA Foam Insulation Complete
Fuel Filter and Fuel Pump	ESA Decal Location
Oil Filter and Cooler	
Electrical Components	

ESA DRAWBAR COMPLETE

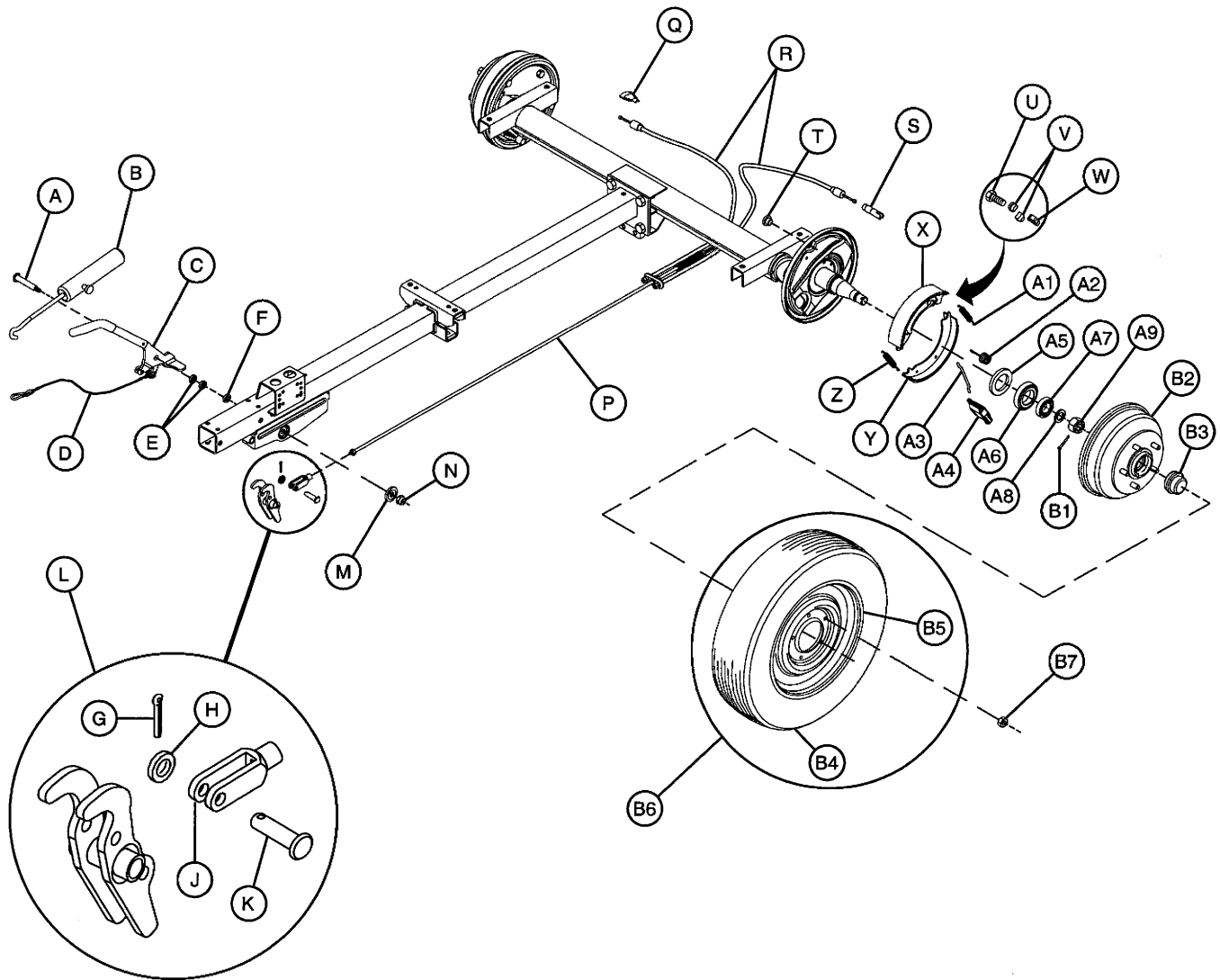


Item	CPN	Qty	Description
A	54732508	1	RUNNING GEAR, FIXED HEIGHT
	54625330	1	RUNNING GEAR, VARIABLE HEIGHT
B	36880599	6	SCREW, HEX M16-2.0 X 30
C	96730395	6	WASHER, FLAT M16
D	22186449	2	TIRE ASM.



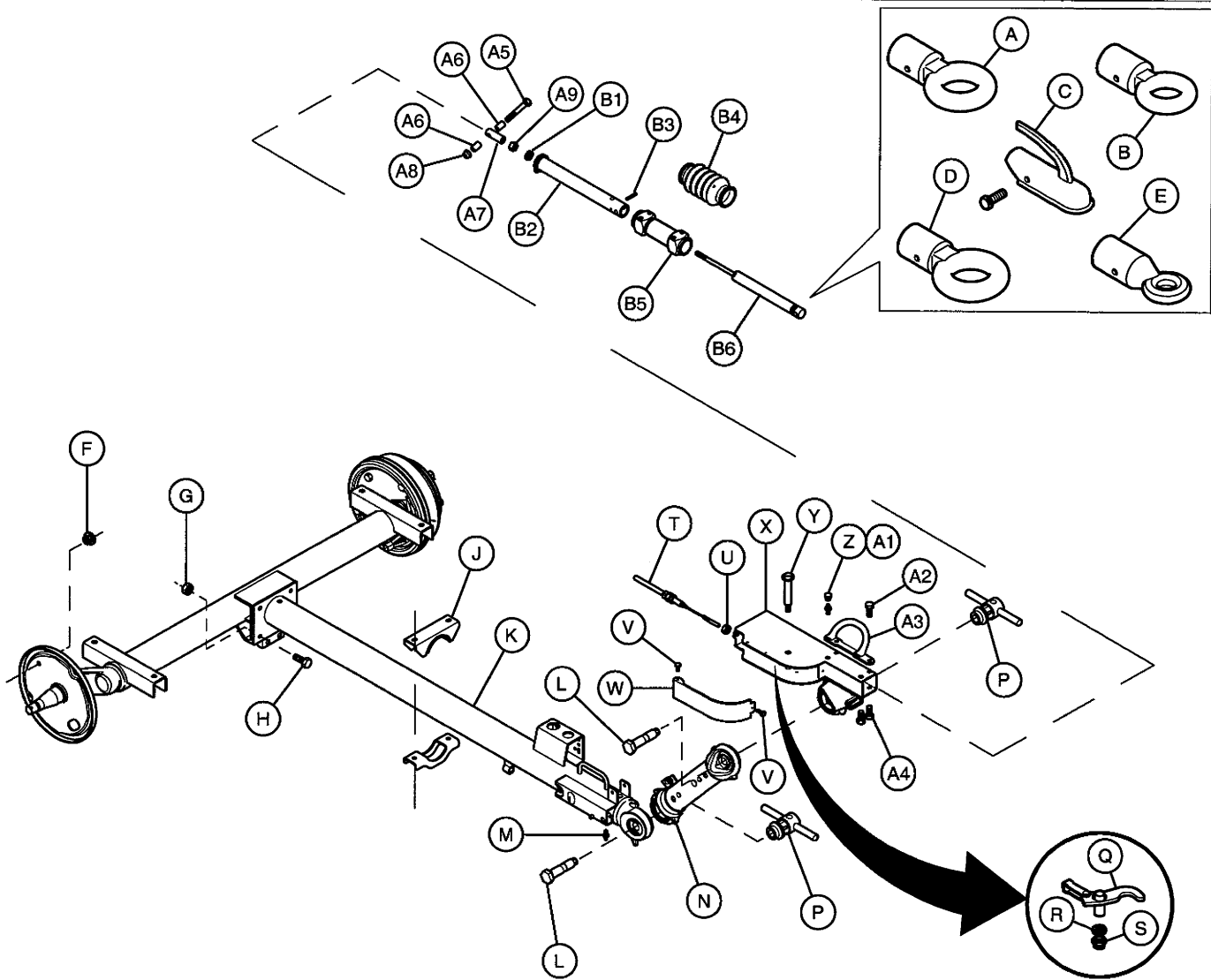
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22097823	1	PINTEL EYE, 68 mm	N	22051577	1	LOCKNUT
B	22177687	1	PINTEL EYE, 50 mm	P	22051585	1	WASHER
C	22207815	1	COUPLER, BALL	Q	22051494	1	LOCKNUT
D	22177620	1	PINTEL EYE, 76 mm	R	22051551	2	BUSHING
E	22177588	1	PINTEL EYE, 40 mm	S	22051544	1	JOINT
F	22051510	1	COVER	T	22251409	1	BOLT
G	22241368	8	BOLT	U	22251284	1	SLIDER
H	22250401	1	TUBE	V	22250468	1	DRAWBAR
J	22251599	1	PIN	W	22250567	1	CLAMP
K	22241095	2	NIPPLE	X	22251516	4	SCREW
L	22241426	2	CAP	Y	22251540	4	NUT
M	22251219	1	DAMPER				

ESA FIXED HEIGHT RUNNING GEAR cont'd)



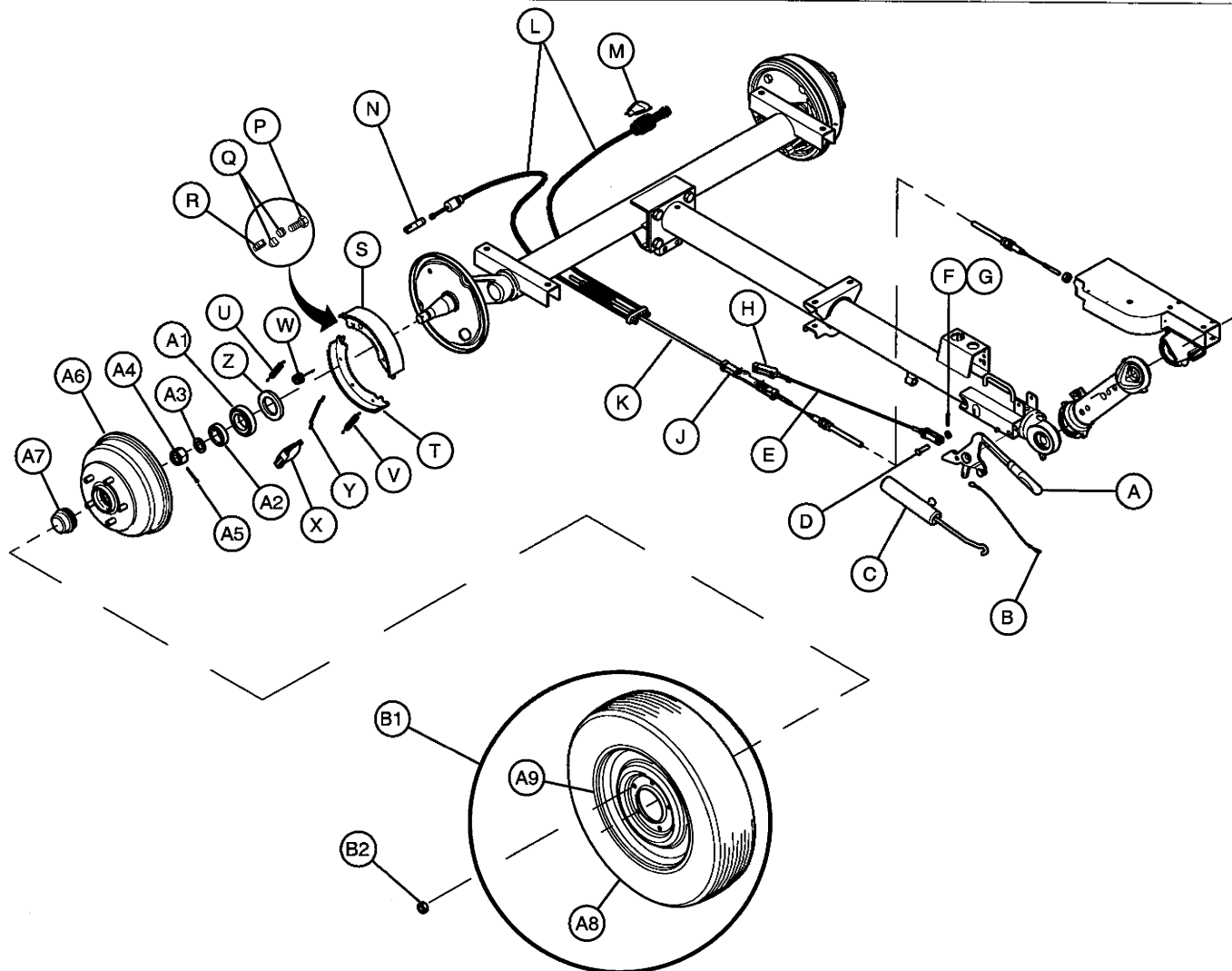
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22250799	1	BOLT	W	22250948	2	TAPER
B	22251292	1	SPRING	X	22250351	2	SHOE, FRONT BRAKE
C	22051833	1	LEVER, HANDBRAKE	Y	22250344	2	SHOE, REAR BRAKE
D	22051841	1	CABLE	Z	22250377	2	SPRING, LOWER
E	22241376	2	WASHER	A1	22250369	2	SPRING, UPPER
F	22051882	3	WASHER	A2	22250963	2	SPRING
G	22251532	1	PIN	A3	22250849	2	ROD
H	22241491	1	WASHER	A4	22250972	2	LEVER
J	22251318	1	CLEVIS	A5	22250831	2	SPACER
K	22241160	1	PIN	A6	22250989	2	BEARING
L	22251276	1	LEVER ASM., PARKING BRAKE	A7	22280971	2	BEARING
M	22241194	1	WASHER	A8	22250856	2	WASHER
N	22051494	1	LOCKNUT	A9	22251003	2	LOCKNUT
P	22250773	1	COMPENSATOR	B1	22251524	2	PIN
Q	22250617	2	COVER	B2	22250385	2	DRUM
R	22250633	2	CABLE	B3	22250880	2	CAP
S	22250922	2	EYE	B4	22186431	2	TIRE
T	22250914	4	COVER	B5	22242291	2	WHEEL
U	22250955	2	SCREW	B6	22186449	2	TIRE & WHEEL ASM.
V	22250658	4	KEY	B7	22251011	10	NUT

ESA VARIABLE HEIGHT RUNNING GEAR (cont'd)

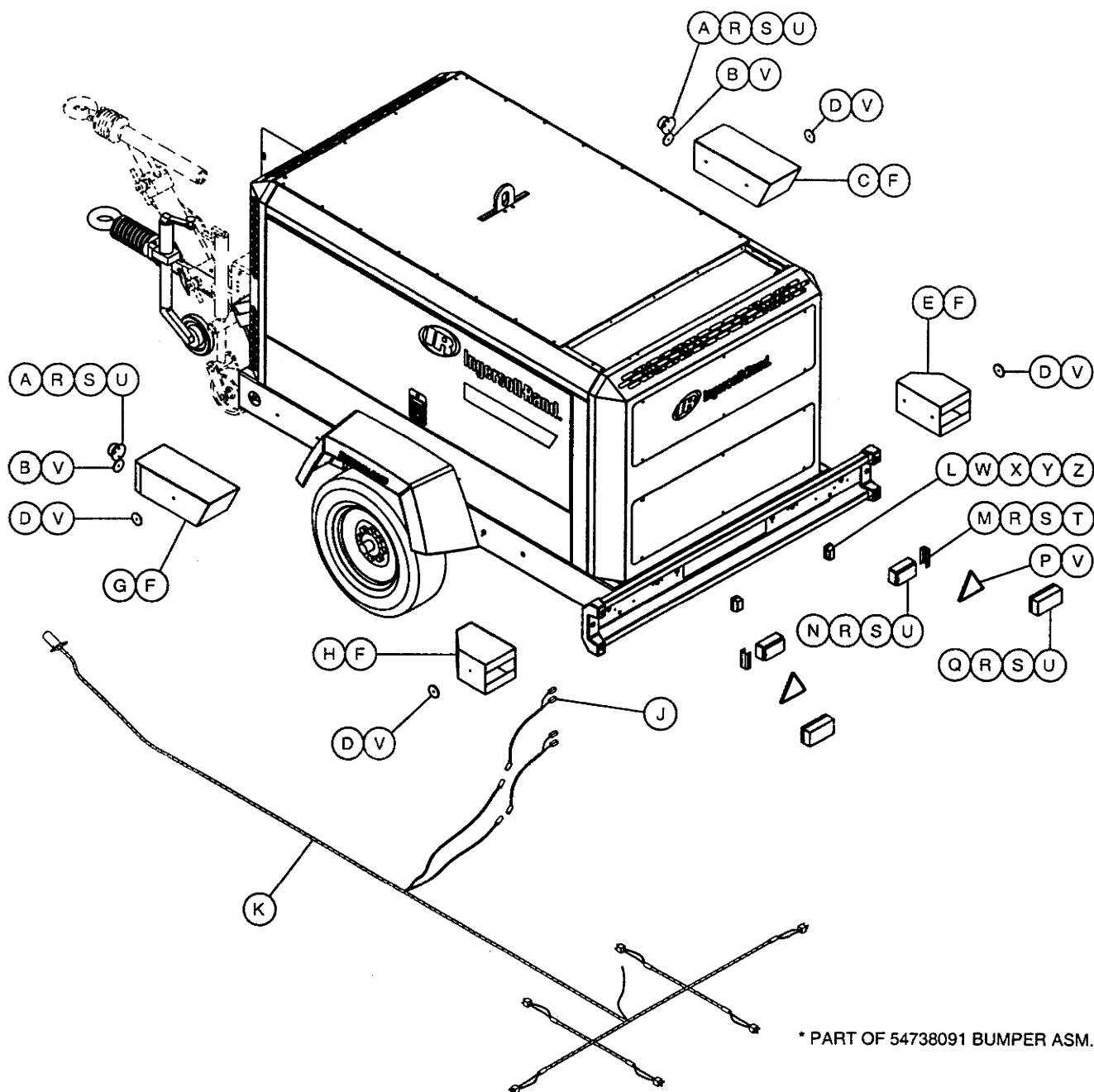


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22097823	1	PINTEL EYE, 68 mm	W	22241046	1	COVER
B	22177687	1	PINTEL EYE, 50 mm	X	22250484	1	COUPLING ASM.
C	22207815	1	COUPLER, BALL	Y	22241503	1	BOLT
D	22177620	1	PINTEL EYE, 76 mm	Z	22241095	2	NIPPLE
E	22177588	1	PINTEL EYE, 40 mm	A1	22241426	3	CAP
F	22250914	4	COVER	A2	22051544	2	BOLT
G	22251540	4	NUT	A3	22241434	1	HANDLE
H	22251490	4	BOLT	A4	22241343	4	SCREW
J	22250435	1	CLAMP	A5	22241541	1	BOLT
K	22250476	1	DRAWBAR	A6	22051551	2	BUSHING
L	22241178	2	BOLT	A7	22051550	1	JOINT
M	22241400	1	NIPPLE	A8	22051494	1	LOCKNUT
N	22250500	1	LINK, ADJUSTABLE	A9	22051577	1	LOCKNUT
P	22251250	2	HANDLE	B1	22051585	1	WASHER
Q	22066914	1	LEVER	B2	22251334	1	SLIDER
R	22251342	1	WASHER	B3	22241517	1	PIN
S	22051494	1	LOCKNUT	B4	22051510	1	COVER
T	22251268	1	CABLE, BRAKE	B5	22250427	1	TUBE
U	22051577	1	NUT	B6	22251235	1	DAMPER
V	22241533	3	SCREW				

ESA VARIABLE HEIGHT RUNNING GEAR (cont'd)

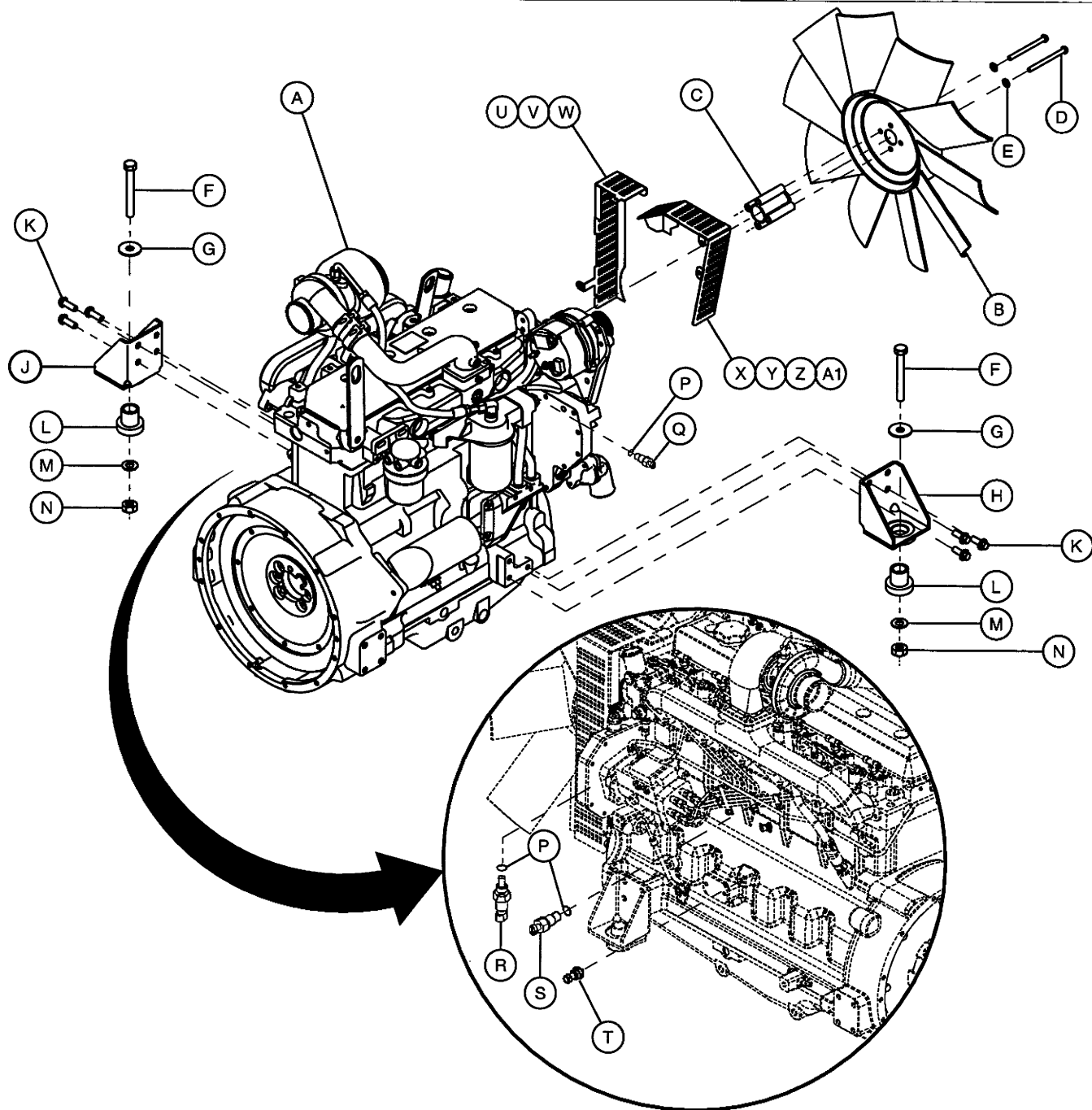


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22066823	1	LEVER, HANDBRAKE	U	22250369	2	SPRING, UPPER
B	22041418	1	CABLE	V	22250377	2	SPRING, LOWER
C	22251292	1	SPRING	W	22250963	2	SPRING
D	22241160	1	PIN	X	22250972	2	LEVER
E	22041152	1	CABLE	Y	22250849	2	ROD
F	22241491	1	WASHER	Z	22250831	2	SPACER
G	22251532	2	PIN	A1	22250989	2	BEARING
H	22251318	2	CLEVIS	A2	22280971	2	BEARING
J	22251268	1	CABLE, BRAKE	A3	22250856	2	WASHER
K	22250591	1	COMPENSATOR	A4	22251003	2	LOCKNUT
L	22250633	2	CABLE	A5	22251524	2	PIN
M	22250617	2	COVER	A6	22250385	2	DRUM
N	22250922	2	EYE	A7	22250880	2	CAP
P	22250955	2	SCREW	A8	22186431	2	TIRE
Q	22250658	4	KEY	A9	22242291	2	WHEEL
R	22250948	2	TAPER	B1	22186449	2	TIRE & WHEEL ASM.
S	22250351	2	SHOE, FRONT BRAKE	B2	22251011	10	NUT
T	22250344	2	SHOE, REAR BRAKE				

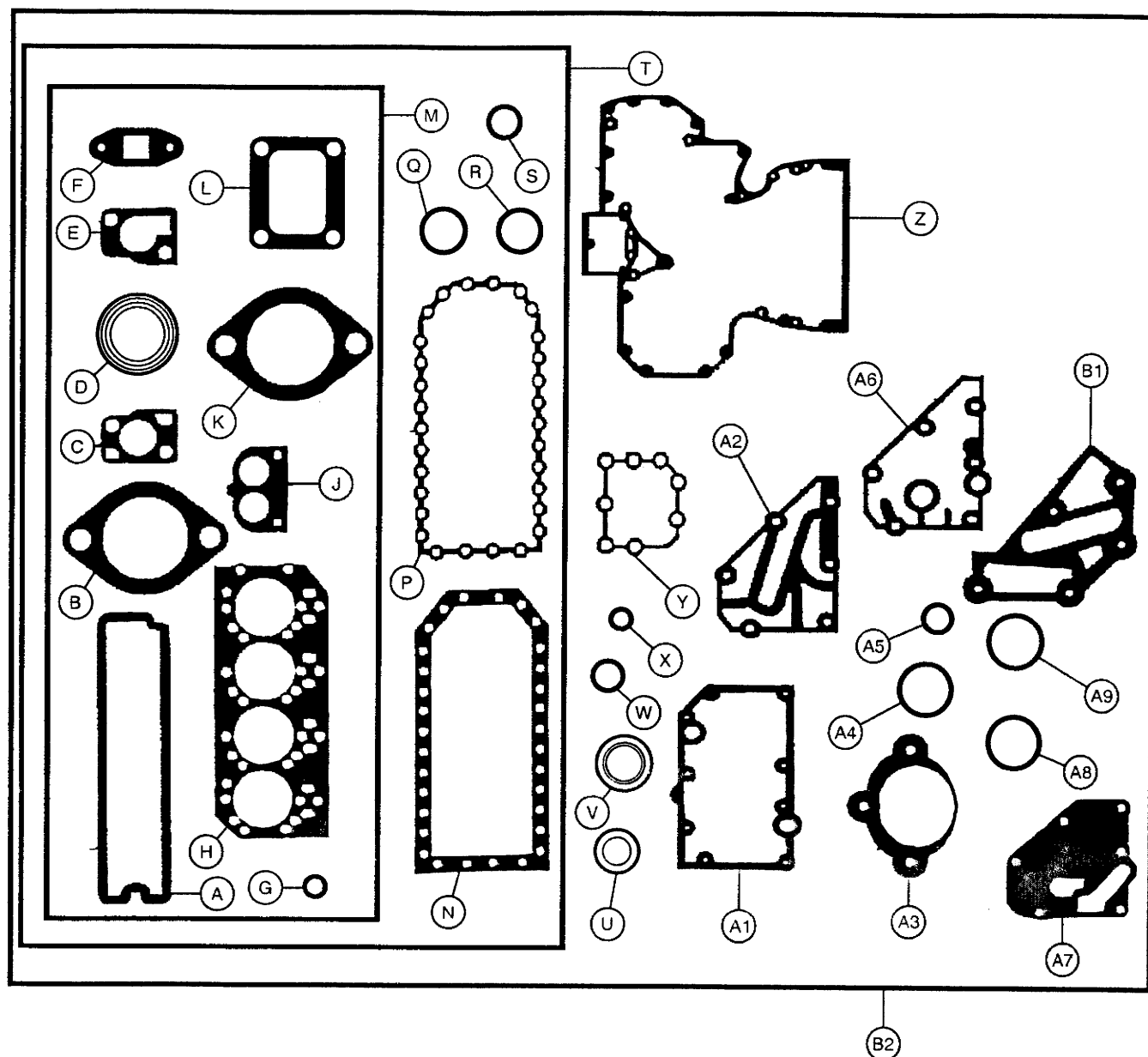


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	92121250	2	LIGHT, FRONT SIDE	* N	93477388	2	LAMP, REAR FOG
B	92085729	2	REFLECTOR, WHITE	* P	92721331	2	TRIANGLE, REFLECTOR WARNING
C	54715891	1	POD, LH FRONT SIDE	* Q	92901222	2	LAMP, STOP/TAI/DIRECTION
D	92121243	4	REFLECTOR, AMBER	* R	92304583	20	WASHER, M05 FLAT
E	22074538	1	POD, LH REAR SIDE	* S	92304492	20	NUT, HEX M05-0.8
F	35279025	8	SCREW, TAPPING M08-1.25 X 20	* T	96705728	4	SCREW, HEX M05-0.8 X 16
G	54716592	1	POD, RH FRONT SIDE	* U	96743265	16	SCREW, HEX SOC CAP M05-0.8 X 16
H	22084024	1	POD, RH REAR SIDE	* V	92271915	10	RIVET, 3/16 X 1/2
J	54477740	2	HARNESS, FRONT SIDE	* W	96703756	4	NUT, HEX M04-0.7
K	22173454	1	HARNESS, REAR BUMPER	* X	96745237	4	WASHER, M04 LOCK
* L	92901230	2	LAMP, REGISTRATION PLATE	* Y	96705173	4	SCREW, HEX M04-0.7 X 16
* M	22073183	2	BRACKET, TRIANGLE SPACER	* Z	96705165	4	WASHER, M04 FLAT

ENGINE COMPLETE

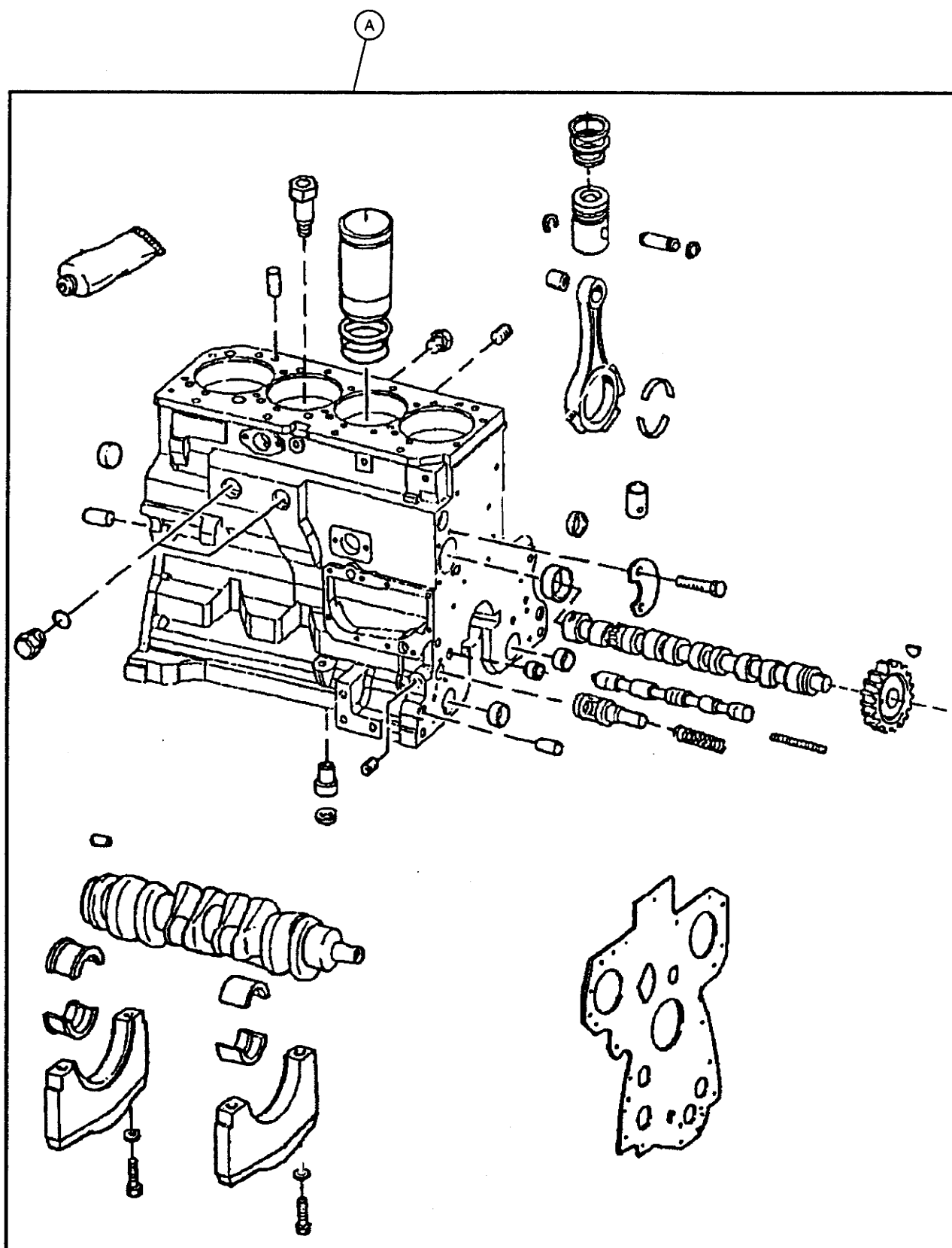


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22206015	1	ENGINE	Q	22222608	1	SENSOR, ENGINE HEAD TEMP
B	54731468	1	FAN	R	22222590	1	SENSOR, COOLANT TEMPERATURE
C	54749056	1	SPACER, FAN	S	22222582	1	SENSOR, ENGINE SPEED
D	96726435	4	SCREW, HEX M08-1.25 X 100	T	22222574	1	SENSOR, OIL PRESSURE
E	96701396	4	WASHER, FLAT M08	U	22252951	1	GUARD, BELT
F	96701503	2	SCREW, HEX M16-2.0 X 90	V	96703186	1	SCREW, HEX M16-2.0 X 35
G	35327212	2	WASHER, SNUBBER	W	96737556	1	SCREW, HEX FLANGE M10-1.75 X 25
H	54756739	1	MOUNT, STSD ENGINE	X	22250179	1	GUARD, BELT
J	54756507	1	MOUNT, CRBSD ENGINE	Y	96704408	2	SCREW, HEX FLANGE M08-1.25 X 20
K	36888055	6	SCREW, HEX FLANGE M12-1.75 X 30	Z	96709118	2	WASHER, FLAT M08
L	54756697	2	ISOLATOR, CENTER BOND	A1	36895746	2	NUTSERT, HEX M08
M	95935052	2	WASHER, FLAT				
N	96704630	2	NUT, NYLOC M16-2.0		22206148		ELEMENT, OIL FILTER
P	85470607	3	O-RING, 11.30 X 2.20 mm		22206197		ELEMENT, FUEL FILTER

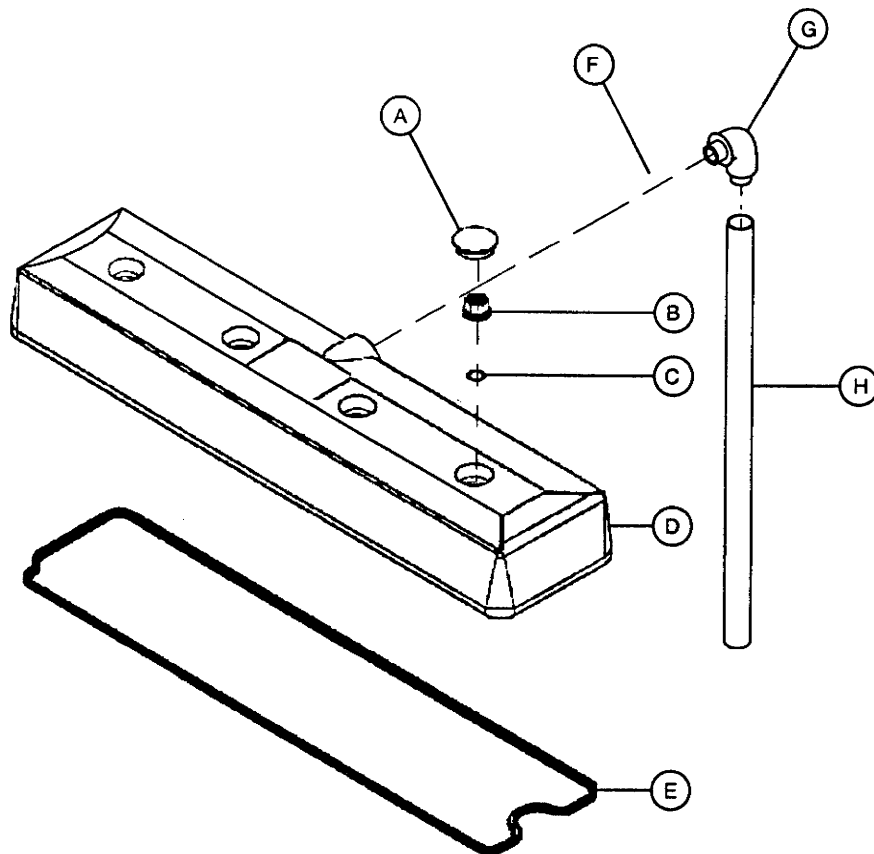


Item	CPN	Description	Item	CPN	Description
A	36106698	GASKET, ROCKER ARM COVER	U	36101194	WASHER, OIL PRESS. REGULATOR PLUG
B	36111458	GASKET, EXHAUST MANIFOLD	V	36114015	SEAL, REAR OIL
C	85472108	GASKET, THERMOSTAT COVER	W	36116036	SEAL, FRONT OIL
D	36106060	GASKET, WATER BY-PASS TUBE	X	36106102	O-RING, FUEL TRANSFER PUMP
E	36106185	GASKET, THERMOSTAT HOUSING	Y	36106250	GASKET, WATER PUMP
F	36106748	GASKET, TURBO OIL OUTLET TUBE	Z	85472157	GASKET, TIMING GEAR COVER
G	36106771	GASKET, ROCKER COVER STUD	A1	36106607	GASKET, OIL COOLER HOUSING
H	36104719	GASKET, CYLINDER HEAD	A2	24899320	GASKET, REMOTE OIL FILTER ADAPTER
J	36109528	GASKET, THERMOSTAT COVER	A3	36109403	GASKET, STARTING MOTOR
K	36110864	GASKET, AIR INLET	A4	36110385	O-RING, OIL FILTER TUBES
L	36111649	GASKET, TURBO/EXHAUST MANIFOLD	A5	36111425	O-RING, WATER PUMP INLET
M	36117901	GASKET SET, CYLINDER HEAD	A6	36106672	GASKET, OIL FILTER HEADER
N	36106201	GASKET, OIL PAN	A7	85471993	GASKET, OIL FILTER HEADER
P	36106193	GASKET, OIL PAN (NOT USED)	A8	36109890	O-RING, CONN. TUBE/TIMING GEAR COVER
Q	36110518	O-RING, OIL PUMP TUBE CONN.	A9	36118693	O-RING, OIL COOLER/ HOUSING
R	36111938	O-RING, OIL PUMP OUTLET TUBE/COVER	B1	85471597	GASKET, COOLANT PASSAGE ADAPTER
S	36109932	O-RING, OIL PUMP INTAKE	B2	85473460	GASKET SET, ENGINE OVERHAUL
T	36117919	GASKET SET, SHORT BLOCK			

SHORT BLOCK ASM.

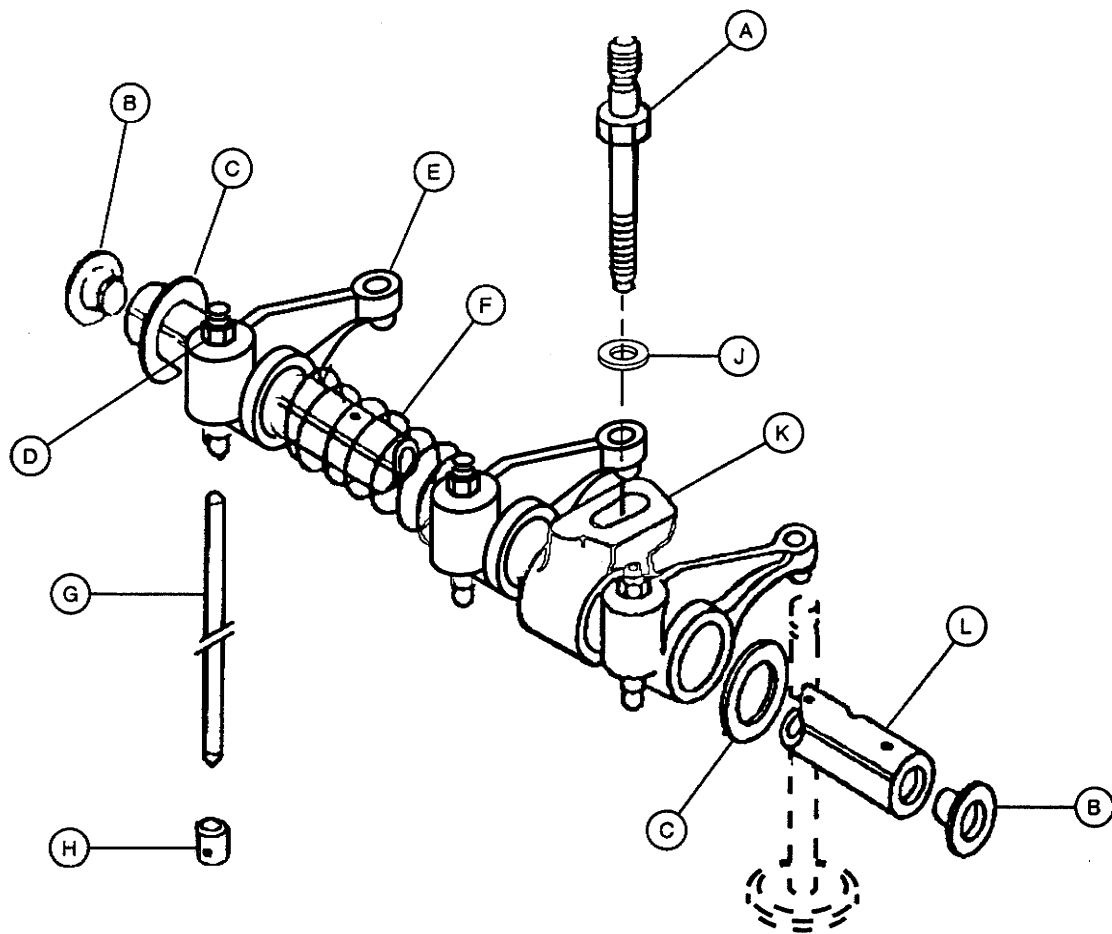


Item	CPN	Description
A	24899924	SHORT BLOCK ASSEMBLY



Item	CPN	Qty	Description
A	36102929	4	PLUG
B	36106763	4	NUT
C	36106771	4	O-RING, ROCKER COVER STUD
D	36125292	1	COVER, ROCKER ARM
E	36106698	1	GASKET, ROCKER ARM COVER
F	36110385	1	O-RING, 18.72 X 2.616 mm
G	36105062	1	ELBOW, BREATHER FITTING
H	24899171	1	HOSE, BREATHER

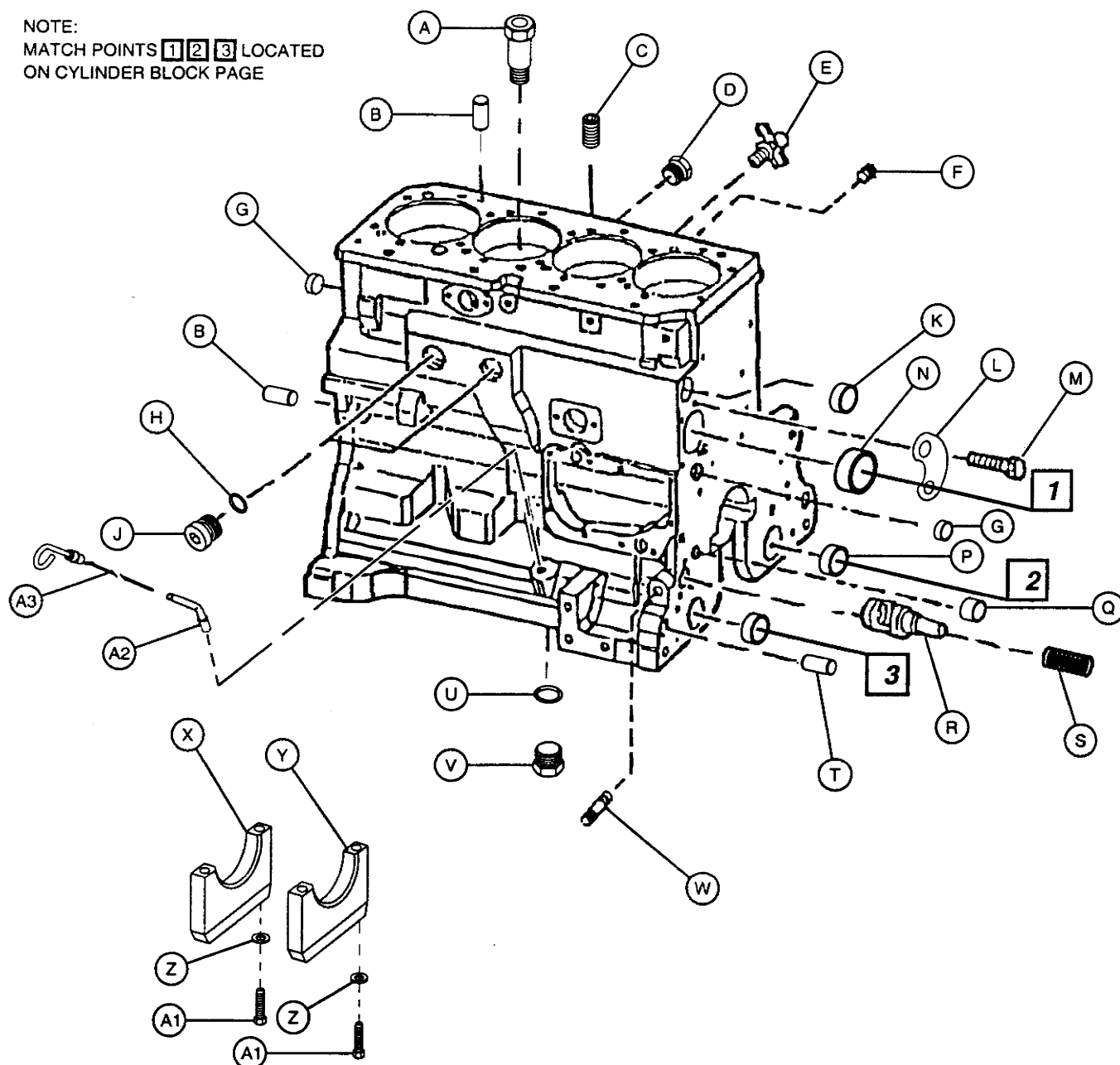
ROCKER ARM SHAFT ASSEMBLY



Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	36106094	4	STUD	G	36103810	8	ROD, PUSH
B	36109502	2	PLUG, ROCKER ARM SHAFT	H	36106706	8	FOLLOWER, CAM
C	36119246	2	WASHER, ROCKER ARM SHAFT	J	36109049	4	WASHER
D	855470060	8	NUT, HEX M10-1.50	K	36105963	4	SUPPORT, ROCKER ARM
E	36118305	8	ARM, ROCKER w/NUT	L	36106656	1	SHAFT, ROCKER ARM
F	36119220	3	SPRING, ROCKER ARM				

CYLINDER BLOCK ASM.. (cont'd)

NOTE:
MATCH POINTS 1 2 3 LOCATED
ON CYLINDER BLOCK PAGE

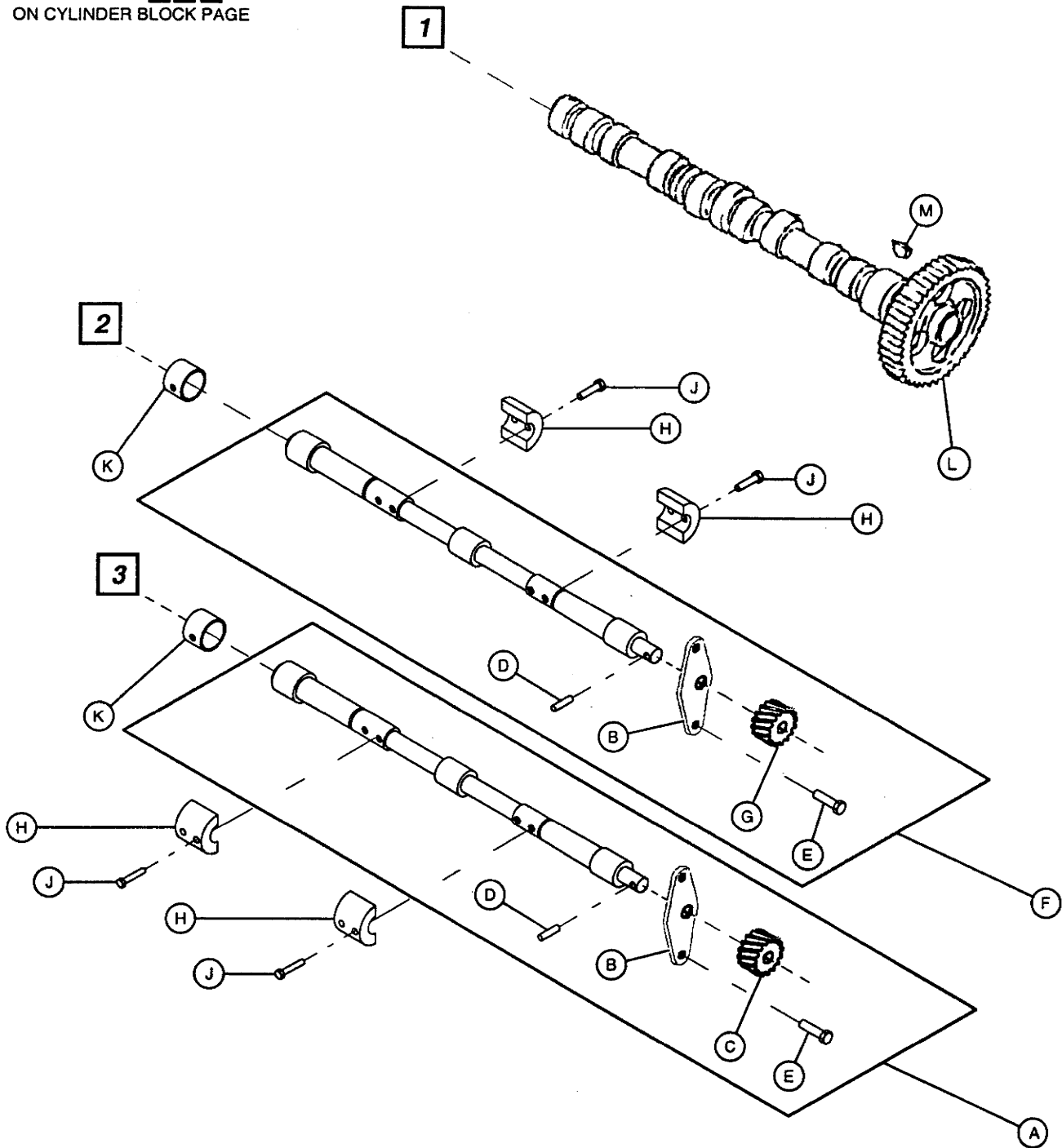


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	36107928	4	ORIFICE	Q	24899585	1	VALVE, OIL PRESSURE RELIEF
B	36109205	2	PIN, DOWEL	R	36105260	1	VALVE
C	36100220	2	PLUG, PIPE 1/2"	S	36103992	1	SPRING
D	36109593	1	PLUG, PIPE	T	36108728	2	PIN, DOWEL
E	36102176	2	VALVE, DRAIN	U	36110518	1	O-RING
F	36103604	5	PLUG, PIPE	V	36104446	1	RECEPTACLE, BODY
G	36118875	2	CAP	W	36104701	1	PLUG, PIPE
H	36120178	2	O-RING	X	36108108	1	CAP, BEARING
J	24899734	2	PLUG, BLOCK HEATER	Y	36104263	4	CAP, BEARING
K	36104701	1	PLUG	Z	36119089	10	WASHER
L	36108223	1	PLATE	A1	36119386	10	SCREW, CAP
M	24899015	2	SCREW, HEX FLANGE M08-1.25 X 25	A2	36125177	1	TUBE, DIPSTICK
N	36104990	1	PLUG, PIPE	A3	85473387	1	DIPSTICK
P	36104412	6	BUSHING				

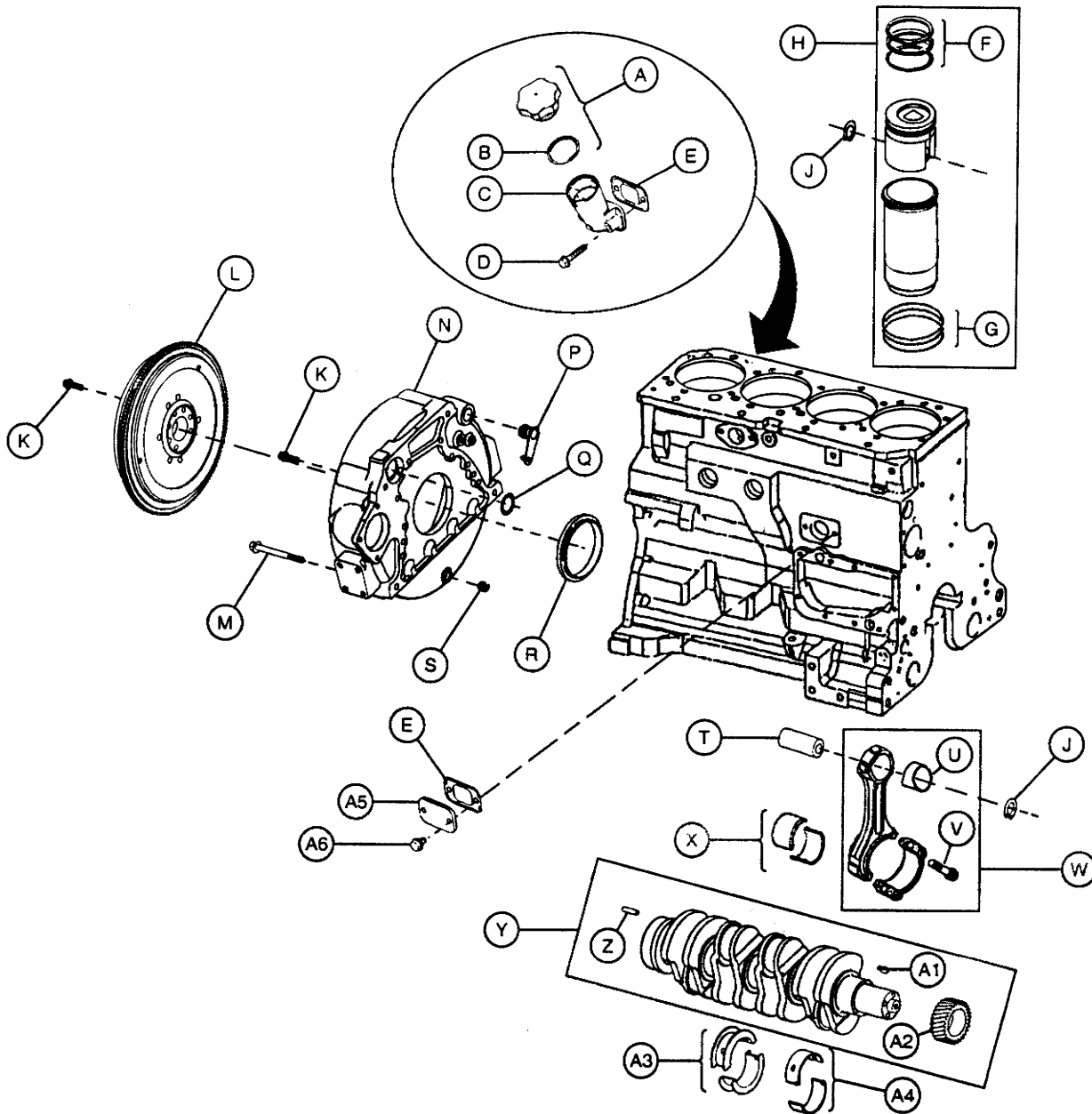
CYLINDER BLOCK ASM. (cont'd)

NOTE:

MATCH POINTS **1** **2** **3** LOCATED
ON CYLINDER BLOCK PAGE

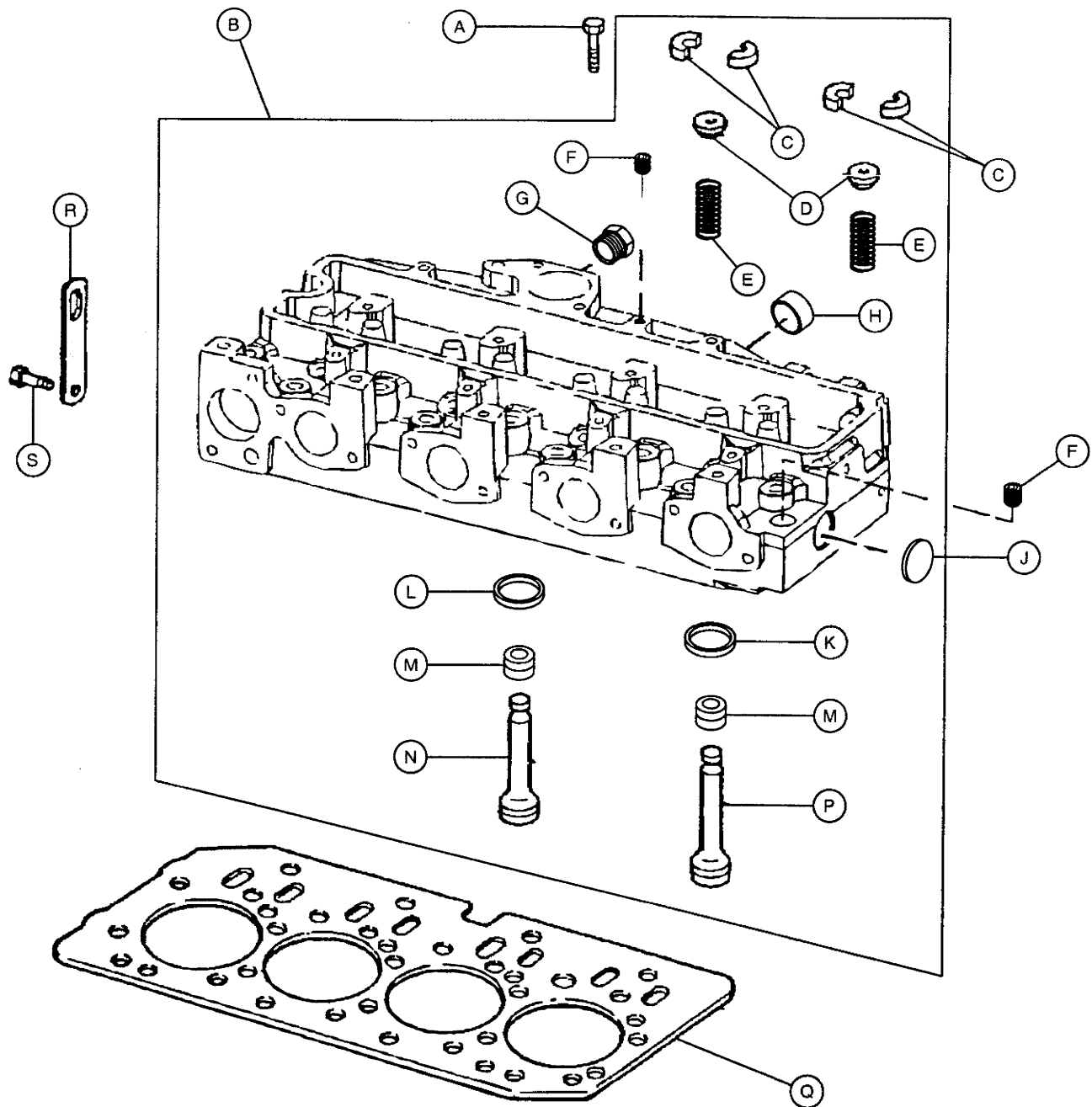


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	24899502	1	SHAFT, LH BALANCE	G	36105138	1	GEAR, RH BALANCE SHAFT
B	36104529	2	PLATE, BALANCE SHAFT SUPPORT	H	85472314	4	WEIGHT, BALANCE SHAFT
C	36105153	1	GEAR, LH BALANCE SHAFT	J	24898967	8	SCREW, HEX FLANGE M08-1.25 X 40
D	24899064	2	PIN, DOWEL M04 X 12	K	36104412	2	BUSHING, BALANCE SHAFT
E	24899007	4	SCREW, HEX FALNGE M08-1.25 X 12	L	24899650	1	CAMSHAFT W/ GEAR & KEY
F	24899494	1	SHAFT, RH BALANCE	M	36108355	1	KEY, CAMSHAFT



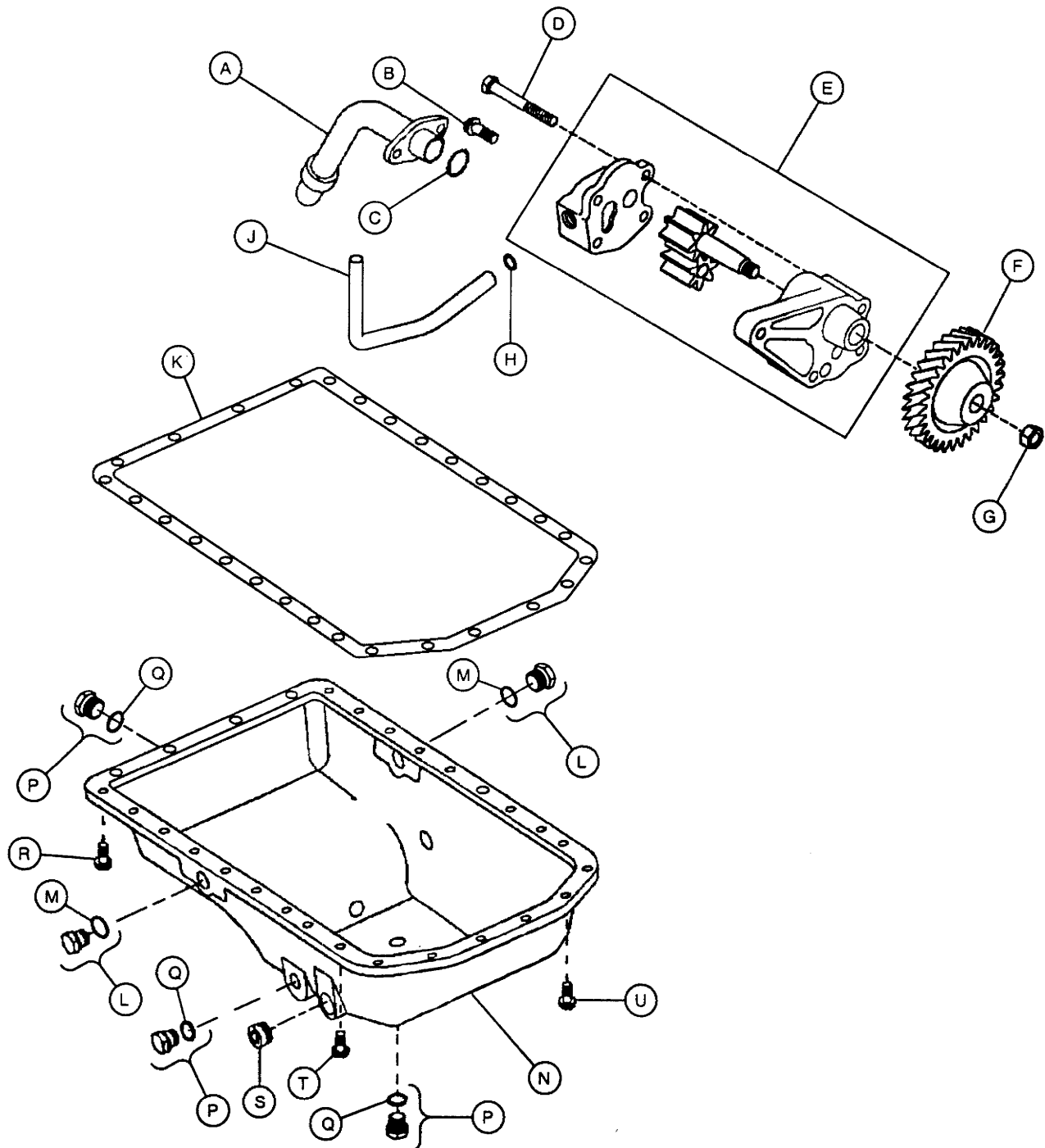
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	85473338	1	CAP, FILLER	T	36105997	4	PIN, PISTON
B	85472504	1	O-RING	U	85471175	4	BUSHING, CONNECTING ROD
C	36126142	1	NECK, FILLER	V	85472348	8	SCREW, CONNECTING ROD CAP
D	36118156	2	SCREW, HEX FLANGE M08-1.25 X 45	W	85473411	4	KIT, CONNECTING ROD
E	36108595	2	GASKET, OIL FILL PORT	X	36117711	4	BEARING, STD PISTON ROD
F	24899726	4	KIT, PISTON RING		36117729	AR	BEARING, .010 U'SIZE PISTON ROD
G	36101715	4	KIT, PISTON LINER O-RING	Y	24899619	1	CRANKSHAFT
H	24899718	4	KIT, PISTON & LINER	Z	36109205	1	PIN, DOWEL 1/2" X 1.12"
J	36109478	8	RING, SNAP	A1	85470557	1	KEY, SHAFT 4 X 16 mm
K	36018579	5	SCREW, SPECIAL FLANGE M12-1.75	A2	36105112	1	GEAR, CRANKSHAFT
L	24899510	1	FLYWHEEL & RING GEAR	A3	36117570	1	BEARING, STD REAR MAIN
M	85470003	4	SCREW, HEX FLANGE M12-1.75 X 50		36117745	AR	BEARING, U'SIZE .245mm REAR MAIN
N	24899346	1	HOUSING, FLYWHEEL	A4	36117562	4	BEARING, STD MAIN
P	36108009	1	PLUG		36117737	AR	BEARING, U'SIZE .245mm MAIN
Q	24899478	1	O-RING, 69.52 X 2.616 mm	A5	36104602	1	COVER, OIL FILL PORT
R	36114015	1	SEAL, REAR OIL	A6	36118149	2	SCREW, HEX FALNGE M08-1.25 X 20
S	36100220	1	PLUG, PIPE 1/2" NPT				

CYLINDER HEAD ASM.



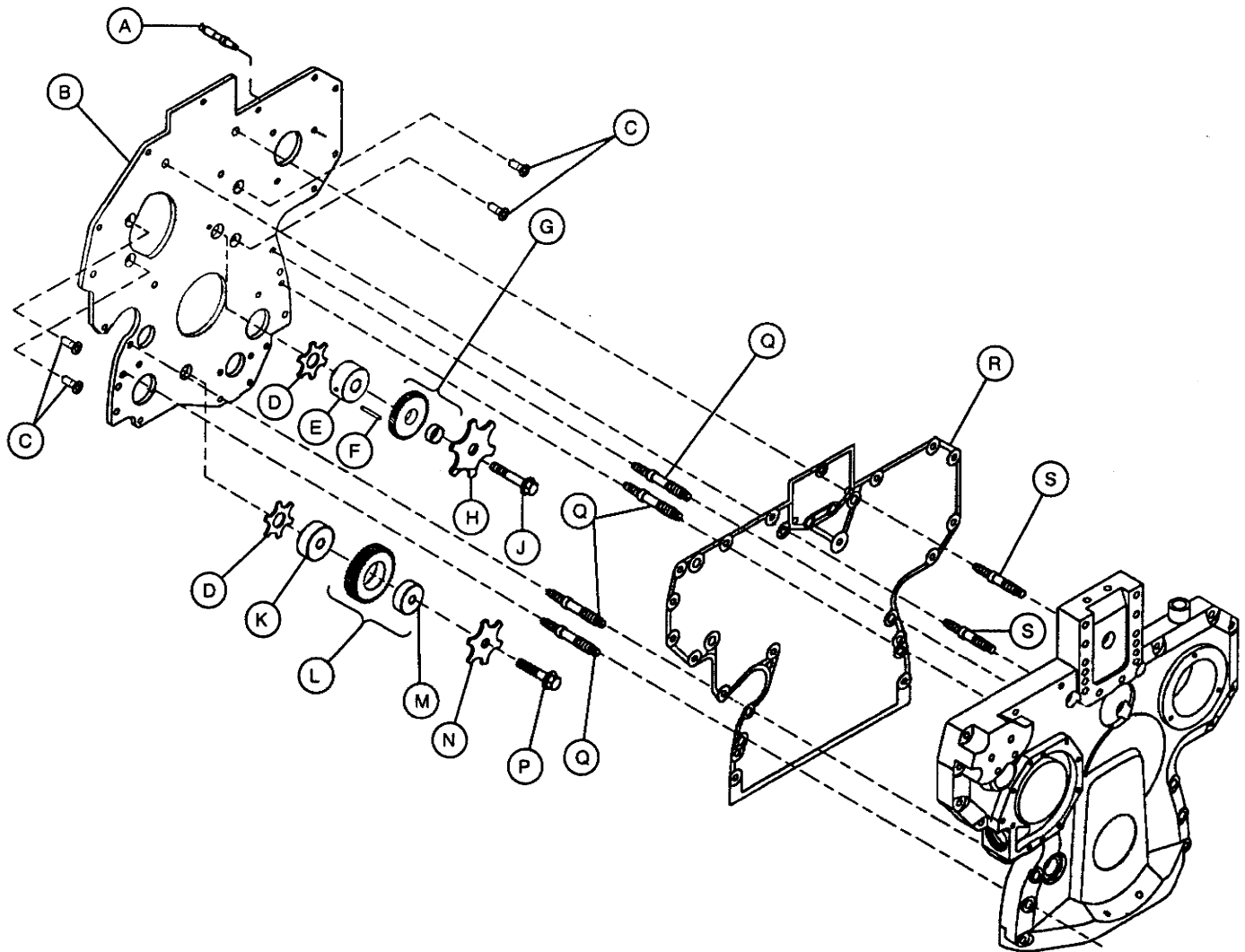
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	36111185	18	SCREW, HEX CAP	M	36113140	8	SEAL, VALVE
B	36115426	1	HEAD ASM., CYLINDER	N	36112118	4	VALVE, INTAKE
C	36111631	16	RETAINER, SPLIT VALVE		36112035	AR	VALVE, INTAKE (.015" OVERSIZED)
D	36116135	8	ROTATOR, VALVE SPRING		36112043	AR	VALVE, INTAKE (.030" OVERSIZED)
E	36108645	8	SPRING, VALVE	P	36111466	4	VALVE, EXHAUST
F	36103604	2	PLUG, PIPE		36112050	AR	VALVE, EXHAUST (.015" OVERSIZED)
G	36119766	1	FITTING		36112068	AR	VALVE, EXHAUST (.030" OVERSIZED)
H	36109056	2	CAP	Q	36104719	1	GASKET, CYLINDER HEAD
J	36102606	1	CAP	R	24899296	1	STRAP, REAR ENGINE LIFT
K	36013745	4	INSERT, INTAKE VALVE SEAT	S	36100881	1	SCREW, HEX FLANGE M12-1.75 X 25
L	36013737	4	INSERT, EXHAUST VALVE SEAT				

OIL PAN and OIL PUMP

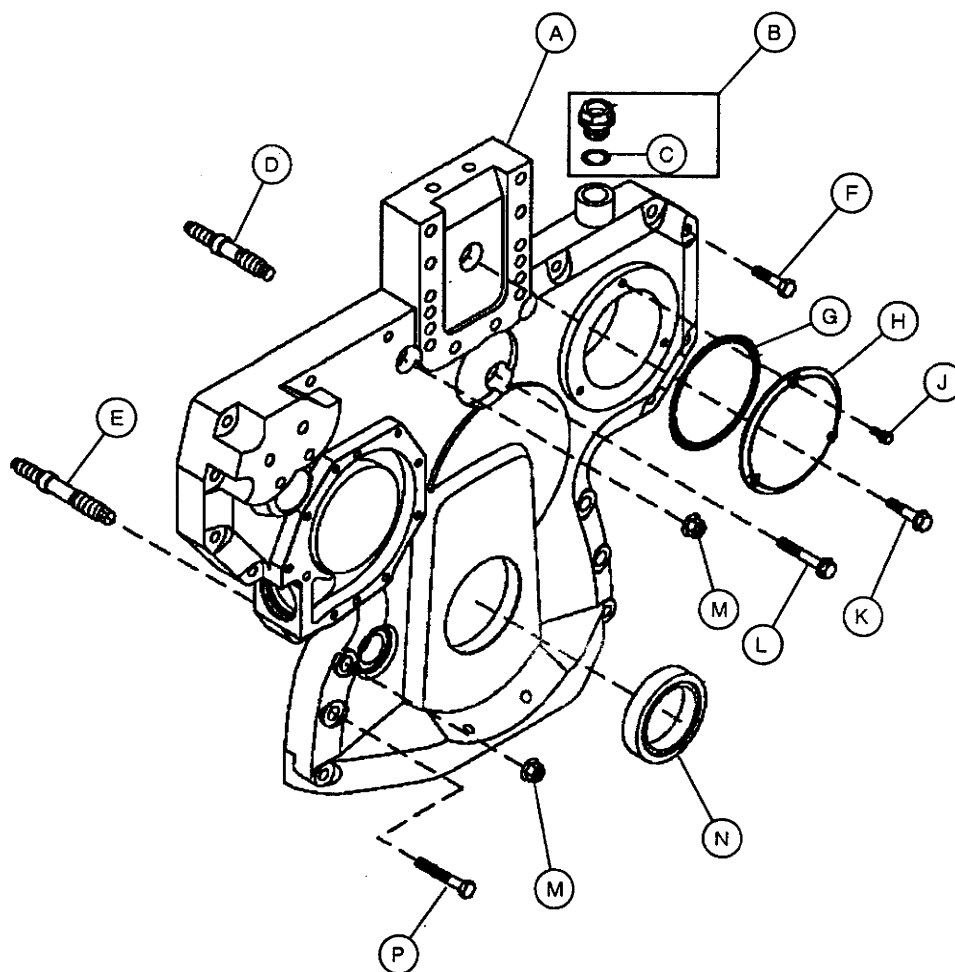


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	36115525	1	PIPE, OIL PUMP INTAKE	L	36114106	2	GASKET, OIL DRAIN PLUG
B	22117385	2	SCREW, HEX M08-1.25 X 100	M	85470649	2	O-RING
C	36109932	1	O-RING, OIL PUMP INTAKE	N	36105500	1	PAN, OIL
D	24898983	2	SCREW, M08-1.25 X 65	P	36114080	3	PLUG / GASKET, OIL PAN
E	85471563	1	PUMP, OIL	Q	85470623	3	O-RING 15.3 X 2.20 mm
F	36105146	1	GEAR, OIL PUMP	R	24898868	4	SCREW, HEX FLANGE M08-1.25 X 45
G	85470052	1	O-RING, OIL PUMP OUTLET	S	22050553	1	PLUG, PIPE 3/4" NPT
H	36111938	1	NUT, HEX M12-1.75	T	36100261	18	SCREW, HEX M08-1.25 X 25
J	36105377	1	TUBE, OIL PUMP OUTLET	U	24898926	6	SCREW, HEX FLANGE M08-1.25 X 30
K	36106201	1	GASKET, ENGINE OIL PAN				

CRANKSHAFT IDLE GEARS

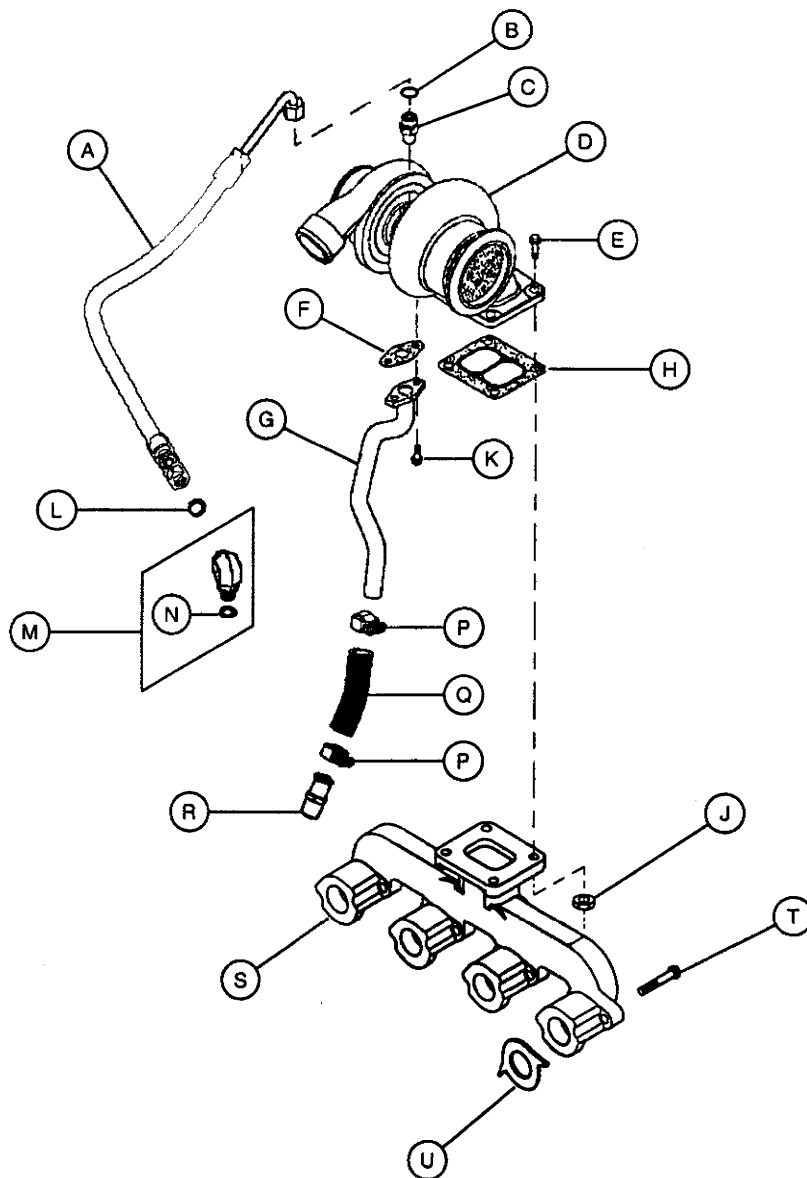


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	36104651	3	STUD	K	36104248	1	SHAFT, LOWER IDLE GEAR
B	85472058	1	PLATE, FRONT BLOCK	L	36115095	1	GEAR, LOWER IDLER
C	36108587	4	SCREW, CAP	M	36104230	1	BUSHING, LOWER IDLER GEAR
D	85471035	2	WASHER, INSIDE IDLE GEAR THRUST	N	36107951	1	WASHER, OUT LWR IDL GEAR THR
E	36105161	1	SHAFT w/PIN, UPPER IDLER	P	24898975	1	SCREW, HEX FLANGE M10-1.5 X 50
F	24899049	1	PIN, SPRING	Q	36106797	4	STUD
G	36115053	1	GEAR, UPPER IDLER	R	85471985	1	GASKET, TIMING GEAR COVER
H	36107936	1	WASHER, OUT UPR IDLE GEAR THRUST	S	85472041	2	STUD
J	24898991	1	SCREW, HEX FLANGE M08-1.25 X 12				

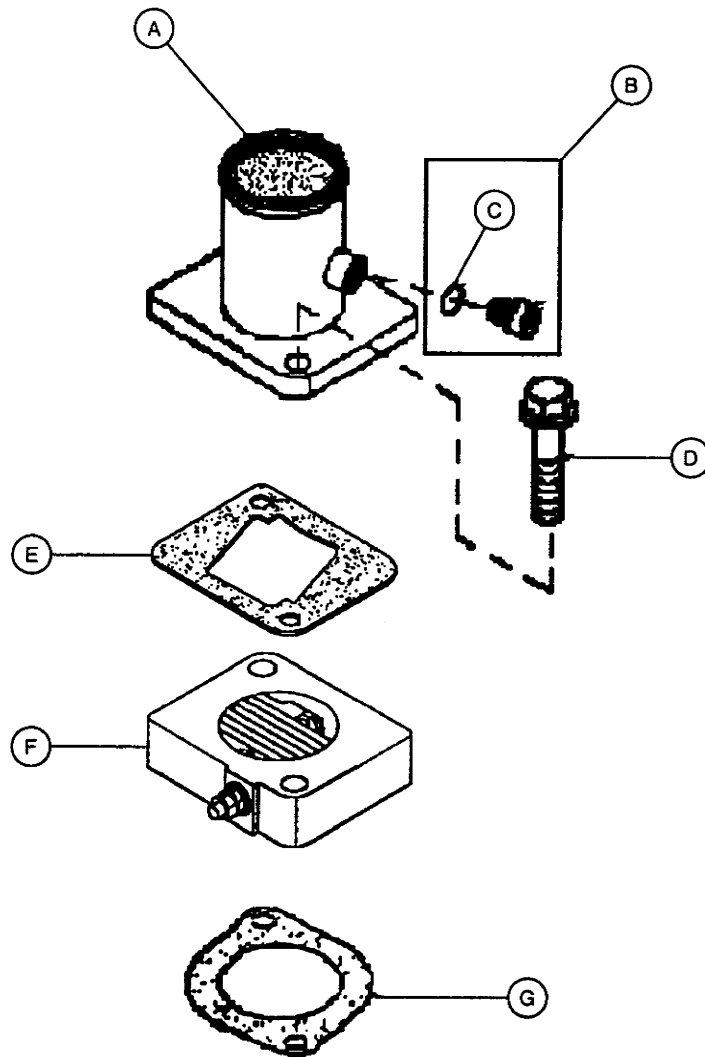


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	24899403	1	COVER, TIMING GEAR	H	36105419	1	COVER, INJECTION PUMP
B	85473502	1	PLUG	J	85470342	3	SCREW, HEX FLANGE M06-1.0 X 16
C	85470631	1	O-RING 17.3 X 2.2 mm	K	85471084	1	SCREW, HEX FLANGE M08-1.25 X 35
D	85472041	2	STUD, L=68 mm	L	36118156	2	SCREW, HEX FLANGE M08-1.25 X 45
E	36016797	4	STUD, L=79 mm	M	36100188	6	NUT, FLANGE M10-1.5
F	36118156	1	SCREW, HEX HD M08-1.25 X 45	N	36116036	1	SEAL, FRONT OIL
G	36105450	1	O-RING	P	85471126	2	SCREW, HEX FLANGE M08-1.25 X 55

EXHAST MANIFOLD and TURBOCHARGER

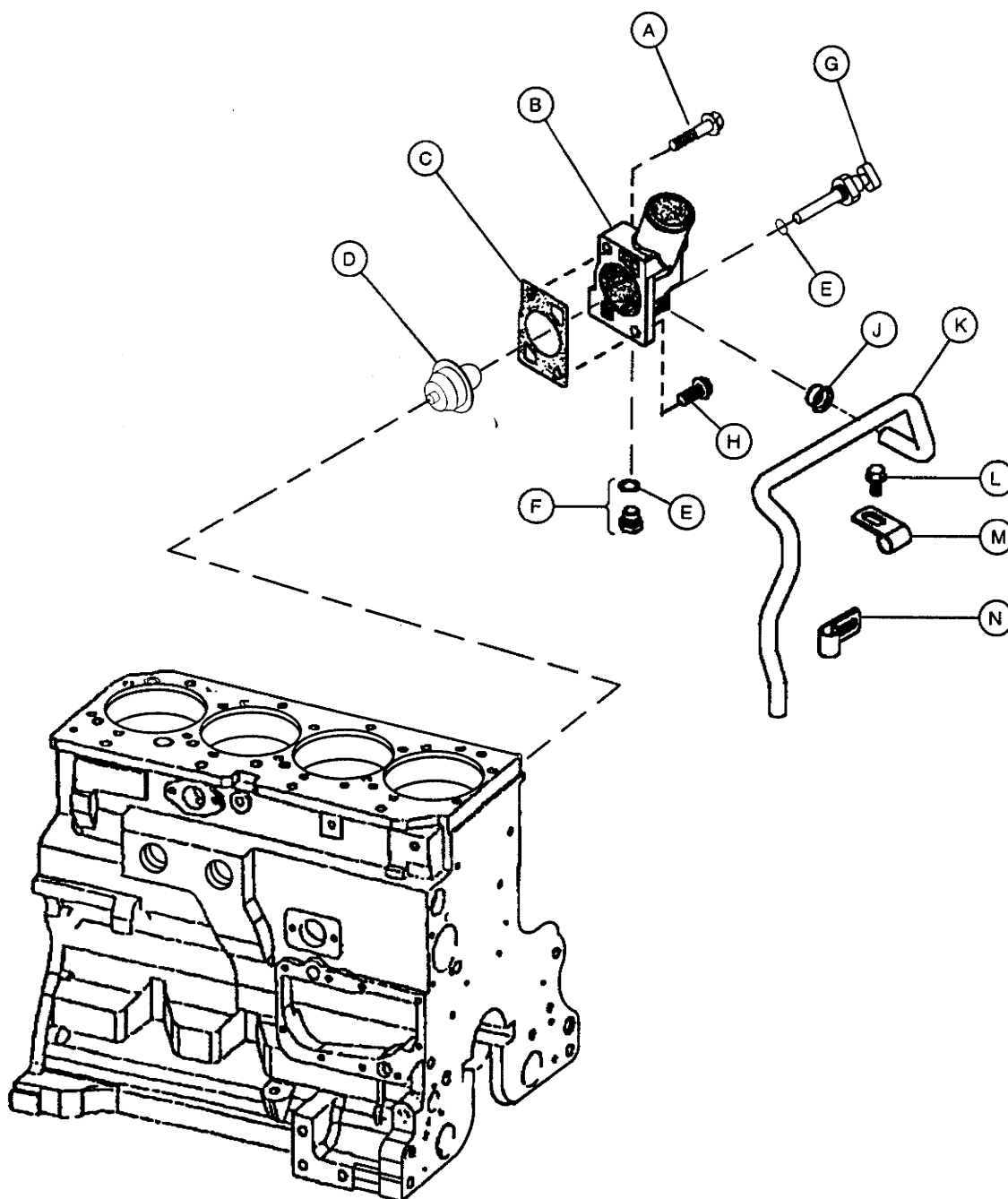


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	85473676	1	LINE, OIL	L	36119808	1	O-RING
B	36110054	1	O-RING	M	85470573	1	ELBOW, FITTING
C	36103182	1	ADAPTER	N	85470615	1	O-RING
D	22222541	1	TURBOCHARGER	P	36117885	2	CLAMP
E	85471787	4	SCREW, HEX FLANGE M10-1.50 X 40	Q	36105021	4.5"	HOSE
F	22222517	1	GASKET, TURBO OIL DRAIN PIPE	R	85474054	1	FITTING, HOSE
G	22222533	1	LINE, OIL DRAIN	S	36108116	1	MANIFOLD, EXHAUST
H	36111649	1	GASKET, TURBO TO EXH MAN	T	85470292	8	SCREW, HEX FLANGE M10-1.5 X 80
J	36100188	4	NUT, FLANGE	U	36111458	4	GASKET, EXHAUST MANIFOLD
K	24898918	2	SCREW, HEX FLANGE M06-1.0 X 20				

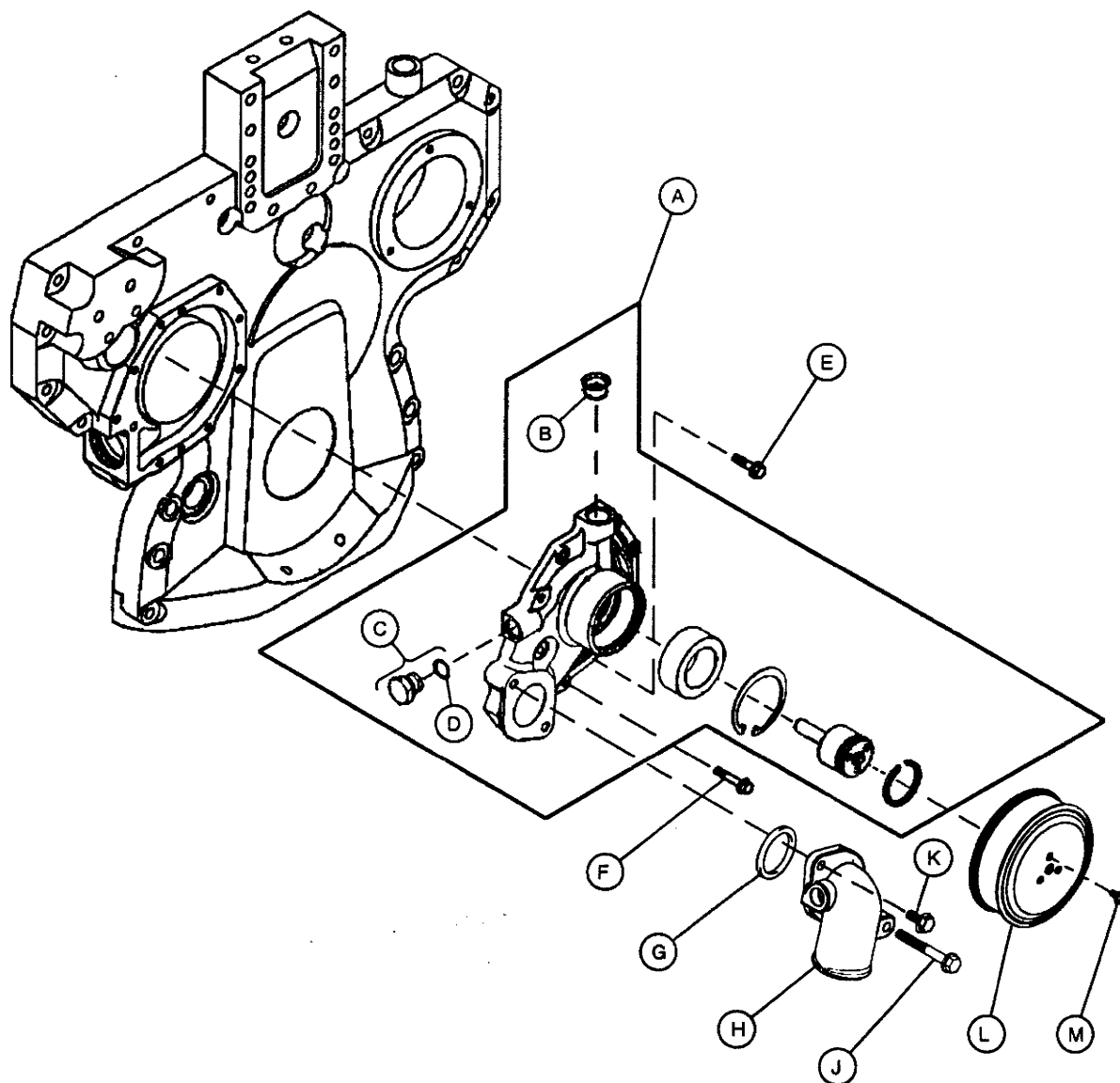


Item	CPN	Qty	Description
A	85473361	1	MANIFOLD, INTAKE
B	85470607	1	O-RING
C	36114072	1	PLUG
D	85470474	2	SCREW
E	36125276	1	GASKET, INTAKE MANIFOLD
F	85473981	1	HEATER, 24V INTAKE AIR
G	36125284	1	GASKET, AIR INLET

THERMOSTAT HOUSING

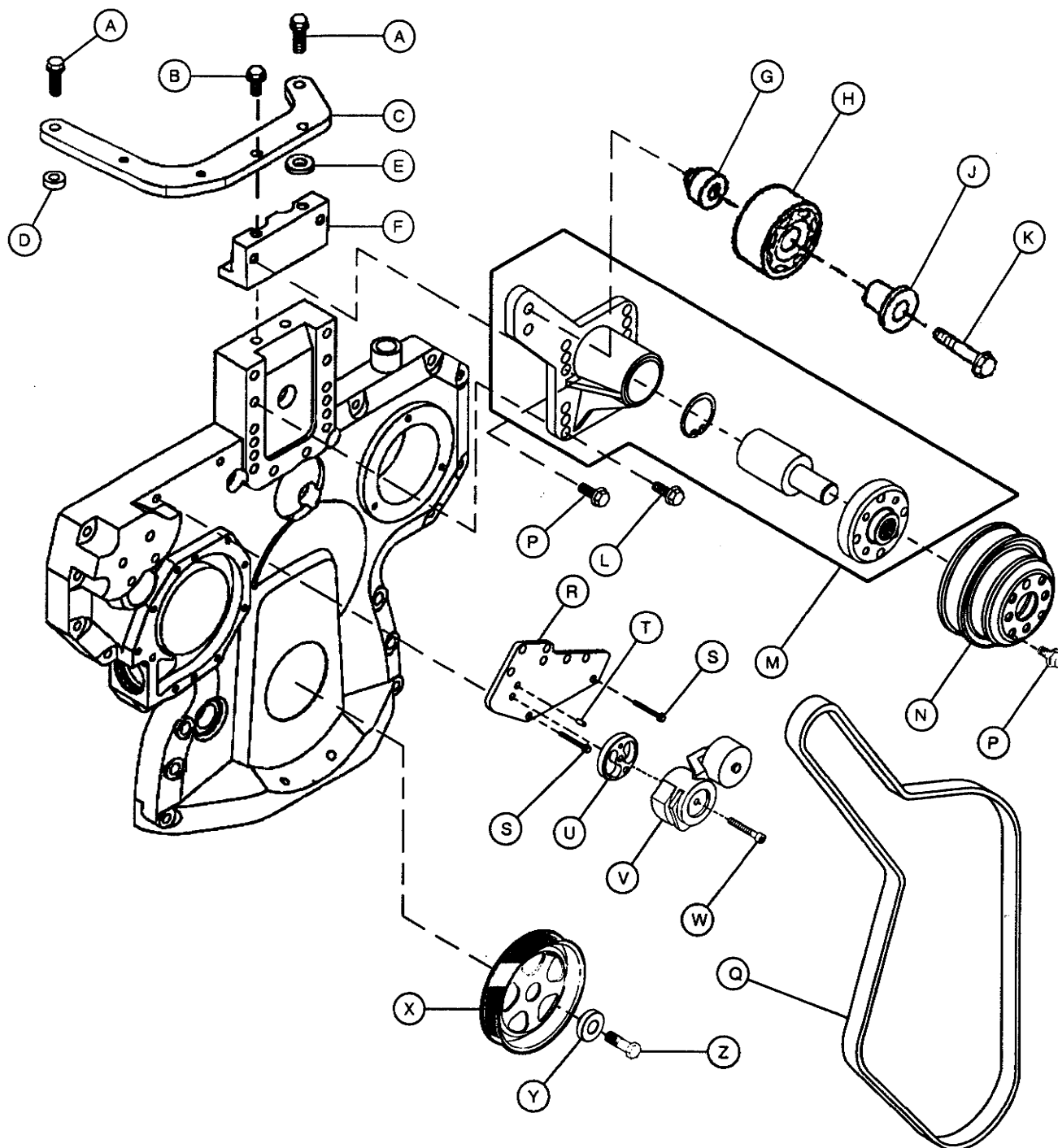


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	85470474	1	SCREW, HEX FLANGE M10-1.50 X 50	H	24898843	1	SCREW, HEX FLANGE M10-1.5 X 30
B	36017910	1	HOUSING, THERMOSTAT	J	36106060	1	GASKET, WATER BY-PASS TUBE
C	85472496	1	GASKET, THERMOSTAT HOUSING	K	22222525	1	TUBE, WATER BY-PASS
D	22276489	1	THERMOSTAT	L	36100881	1	SCREW, HEX FLANGE M12-1.75 X 25
E	85470607	2	O-RING, 11.30 X 2.20 mm	M	36106169	1	CLAMP
F	36114072	1	PLUG w/O-RING	N	36106177	1	CLAMP
G	22222590	1	SENSOR, COOLANT TEMPERATURE				

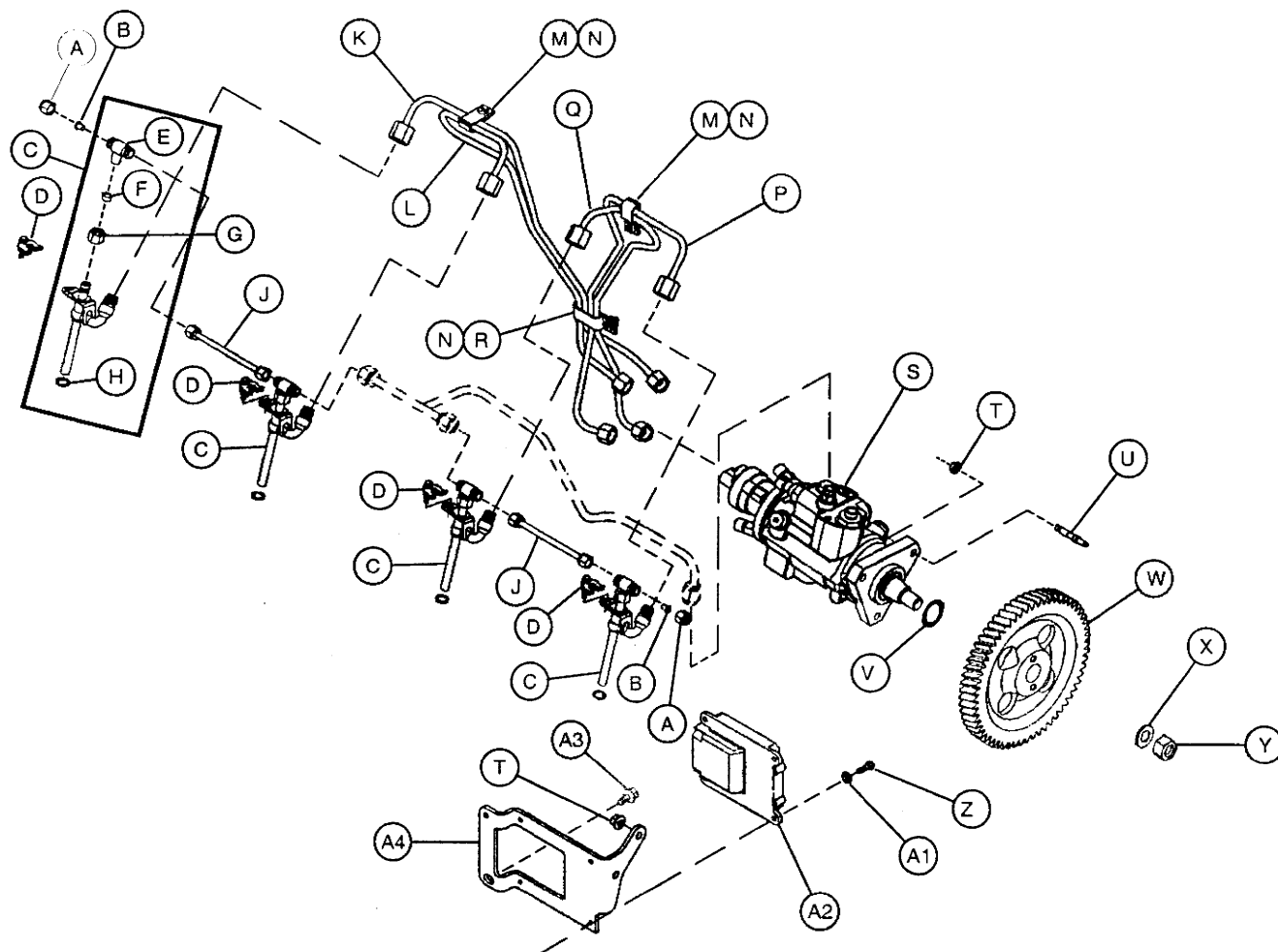


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	24899601	1	PUMP, WATER	G	36111425	1	O-RING, 50.394 X 3.531mm
B	36106060	1	GASKET, WATER BY-PASS TUBE	H	24899338	1	HOUSING, WATER PUMP INLET
C	36114080	1	PLUG, OIL DRAIN W/GASKET	J	85470375	1	SCREW, HEX FLANGE M08-1.25 X 65
D	85470623	1	O-RING 15.3 X 2.20 mm	K	85470417	1	SCREW, HEX FLANGE M08-1.25 X 25
E	85471167	5	SCREW, HEX FLANGE M06-1.0 X 25	L	85471225	1	PULLEY, WATER PUMP
F	85471183	3	SCREW, HEX FLANGE M06-1.0 X 30	M	85470334	3	SCREW, HEX FLANGE M06-1.0 X 12

FAN DRIVE and IDLER PULLEYS

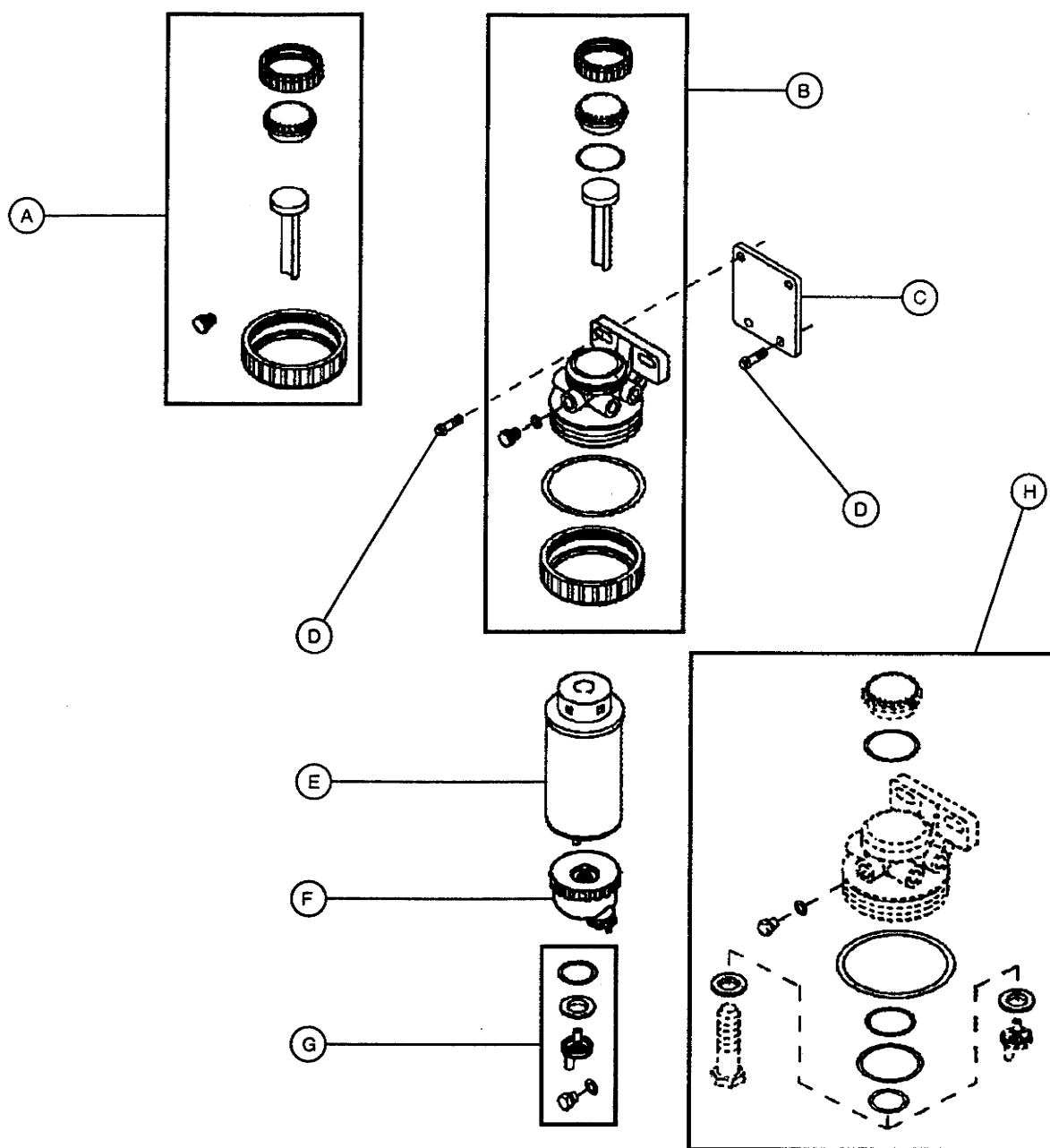


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	24898850	2	SCREW, HEX FLANGE M12-1.75 X 35	N	36107498	1	PULLEY, FAN
B	24898843	2	SCREW, HEX FLANGE M10-1.50 X 30	P	85470359	4	SCREW, HEX FLANGE M10-1.50 X 20
C	24899213	1	BRKT, FAN DR SPCR SPRT	Q	22206247	1	BELT, 6IRF8TE FAN
D	24899130	1	WSHR, FLT 13.5X28.6X8.6mm	R	36108082	1	SUPPORT, IDLE TENSIONER
E	24899999	1	WASHER, FLAT	S	85471134	2	SCREW, HEX FLANGE M08-1.25 X 60
F	24899205	1	SPACER, FAN DRIVE BLOCK	T	24899056	1	PIN, SPRING
G	85472280	1	SPACER, IDLE PULLEY	U	24899262	1	SPACER, BELT TENSIONER
H	85473833	1	PULLEY, IDLER	V	36118487	1	PULLEY, IDLE TENSIONER
J	85472454	1	SLEEVE, IDLE PULLEY	W	24898942	1	SCREW, HEX SOC CAP M10-1.5 X 70
K	24898876	1	SCREW, HEX FLANGE M10-1.5 X 65	X	24899387	1	PULLEY, CRANKSHAFT
L	24898900	4	SCREW, HEX FLANGE M10-1.5 X 35	Y	24899460	1	BUSHING, CRANKSHAFT PULLEY
M	85473700	1	SUPPORT, FAN DRIVE	Z	24899098	1	BOLT, CRANKSHAFT PULLEY

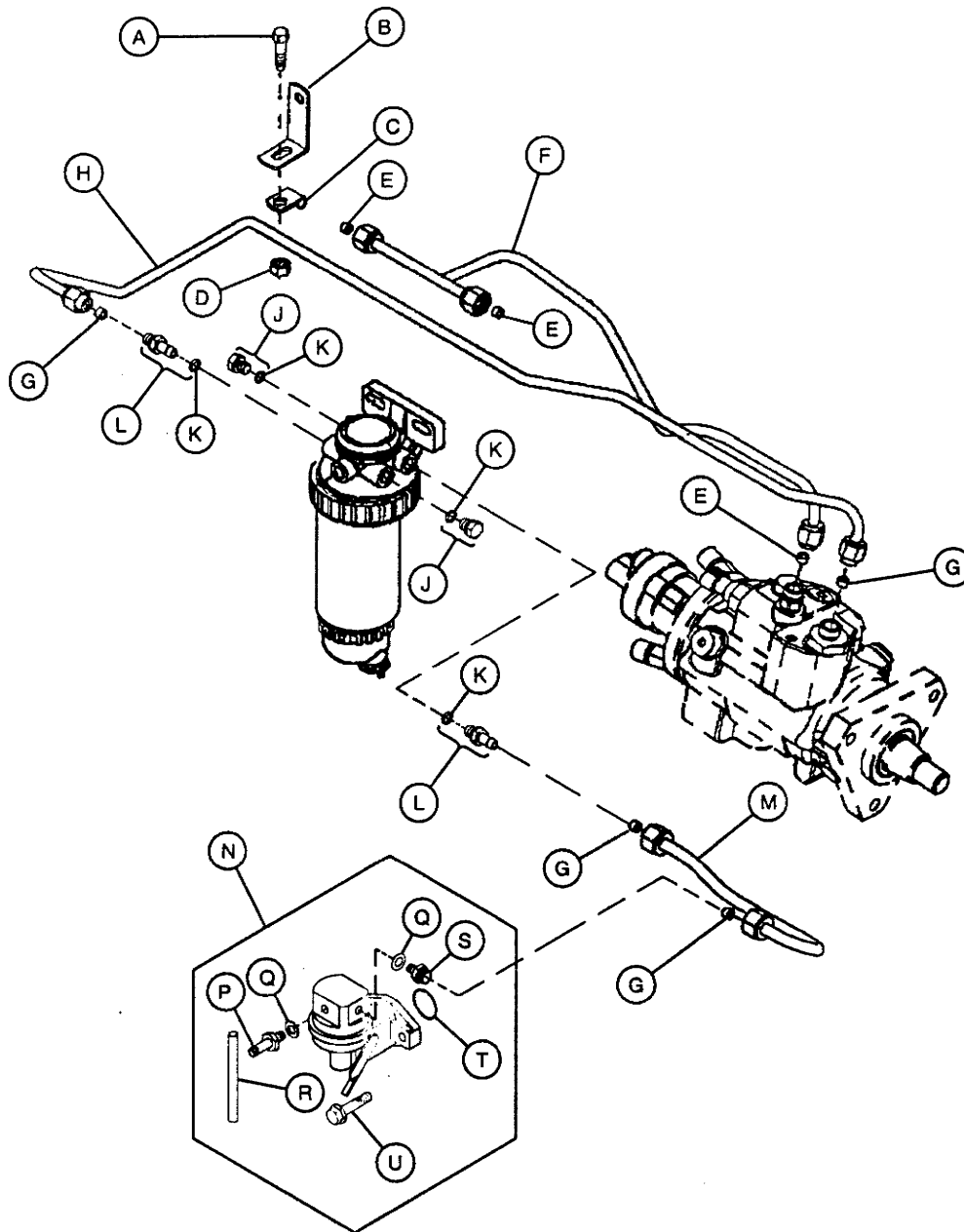


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	36106821	2	NUT, TUBE	Q	24899676	1	LINE, #1 FUEL
B	36101962	2	PLUG W/SLEEVE	R	36112522	1	CLAMP, 4 TUBE
C	22222566	4	INJECTION NOZZLE	S	24899957	1	PUMP, FUEL INJECTION
D	24899759	4	CLAMP, INJECTION NOZZEL	T	24898801	5	NUT, FLANGE
E	36110377	4	TEE, FITTING	U	36104651	3	STUD
F	36110674	4	WASHER, INJECTOR SEALING	V	85472447	1	O-RING
G	36110666	4	NUT, TUBE	W	24899445	1	GEAR, INJECTION PUMP
H	36111672	4	PACKING, INJECTION NOZZLE	X	36108256	1	LOCKWASHER
J	36118339	2	TUBE, FUEL RAIL	Y	36111516	1	NUT
K	24899700	1	LINE, #4 FUEL	Z	24898827	4	SCREW, CAP M05-0.8 X 12
L	24899692	1	LINE, #3 FUEL	A1	24899023	4	WASHER, FLAT 5.3X10X1
M	36112514	2	CLAMP, 2 TUBE	A2	22223911	1	CONTROLLER, ENGINE
N	85470458	3	SCREW, CAP M06-1/0 X 12	A3	85470359	1	SCREW, HEX FLANGE M10-1.50 X 20
P	24899684	1	LINE, #2 FUEL	A4	24899353	1	BRACKET, ENGINE CONTROLLER

FUEL FILTER

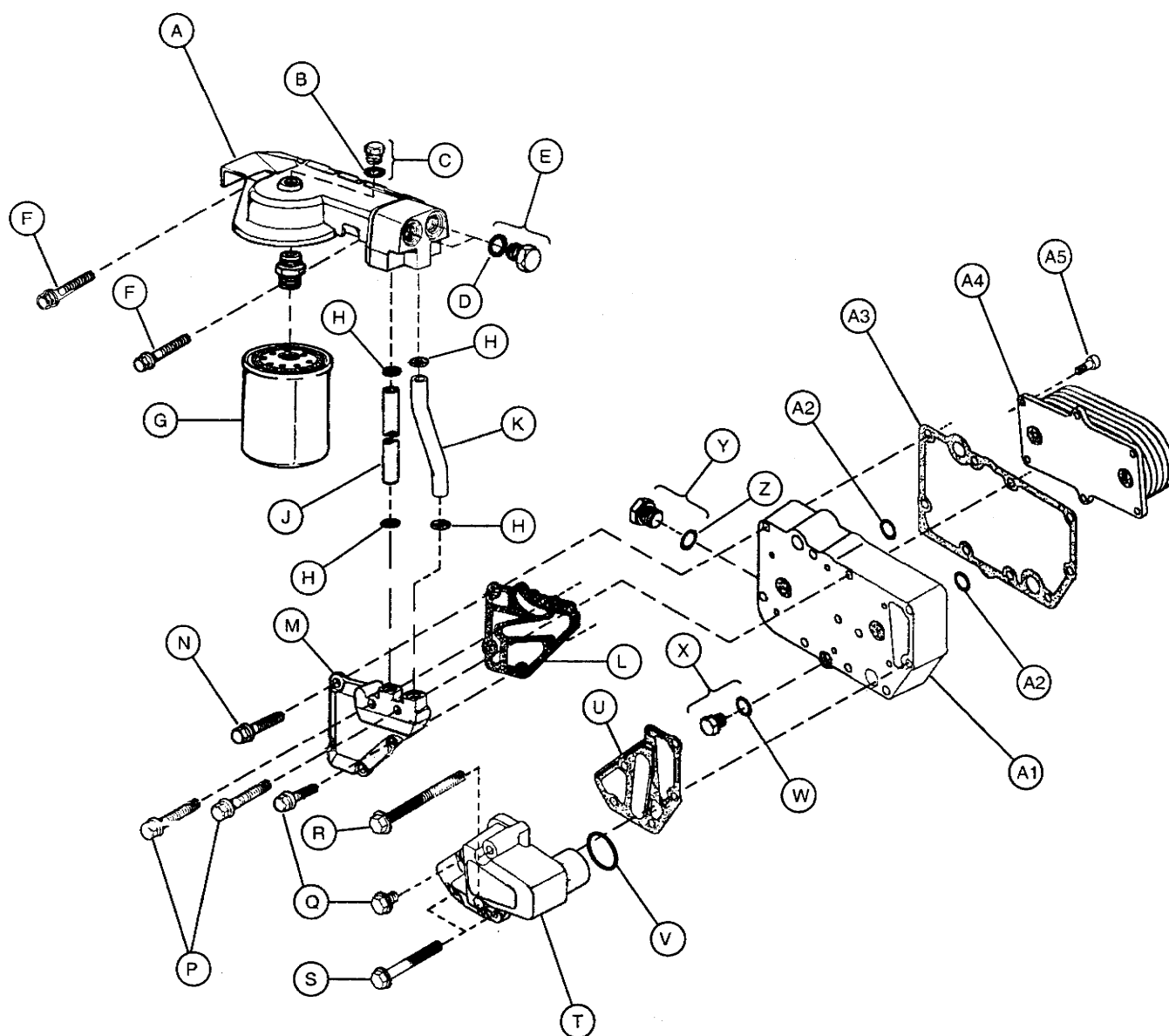


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	36114536	AR	KIT, FUEL FILTER SEAL	E	22206197	1	ELEMENT, FUEL FILTER
B	36125219	1	HEAD, FUEL FILTER	F	36114544	1	BOWL, SEDIMENT
C	24899452	1	BRACKET, FUEL FILTER MOUNTING	G	36116648	AR	KIT, FUEL FILTER DRAIN
D	85470359	4	SCREW, HEX FLANGE M10-1.50 X 20	H	24899932	AR	KIT, FUEL FILTER GASKET

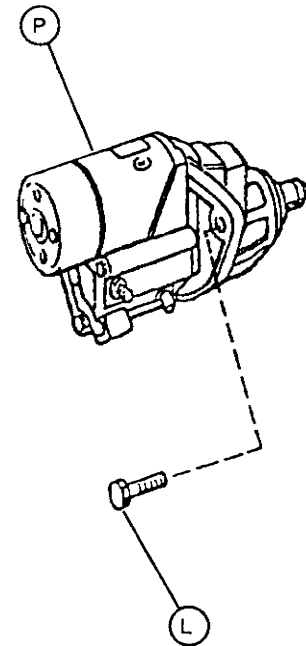
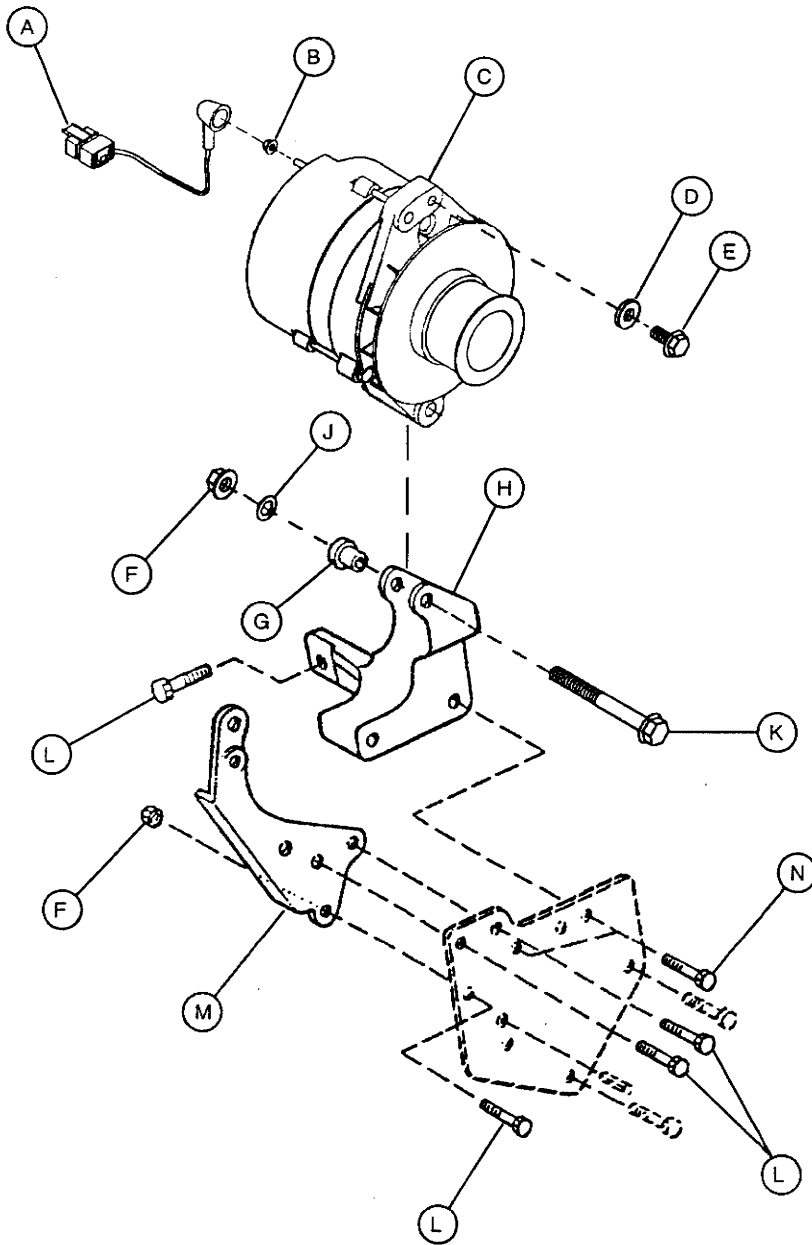


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	85470359	1	SCREW, HEX FLANGE M10-1.50 X 20	L	36116242	2	ADAPTER w/ O-RING
B	24899437	1	BRACKET, "L"	M	24899882	1	LINE, FUEL PUMP TO FUEL FILTER
C	36118750	1	CLAMP, FUEL LINE	N	36118271	1	PUMP, FUEL TRANSFER
D	36100188	1	NUT, FLANGE M10-1.5	P	24899239	1	FITTING, BARBED HOSE
E	36126050	3	WASHER, SEALING	Q	24899254	2	O-RING, FUEL PUMP
F	24899668	1	LINE, INJ PUMP/FUEL RAIL	R	36108371	1	ROD, PUSH
G	36126001	4	WASHER, SEALING	S	24899247	1	FITTING, FLEX OUTLET
H	24899890	1	LINE, FUEL FLTR / INJ PUMP FUEL	T	36106102	1	O-RING, FUEL TRANSFER PUMP
J	36114098	1	PLUG w/ O-RING	U	24899536	2	SCREW, HEX FLANGE M08-1.25 X 30
K	36126019	4	O-RING, 9.3 X 2.2 mm				

OIL FILTER and COOLER

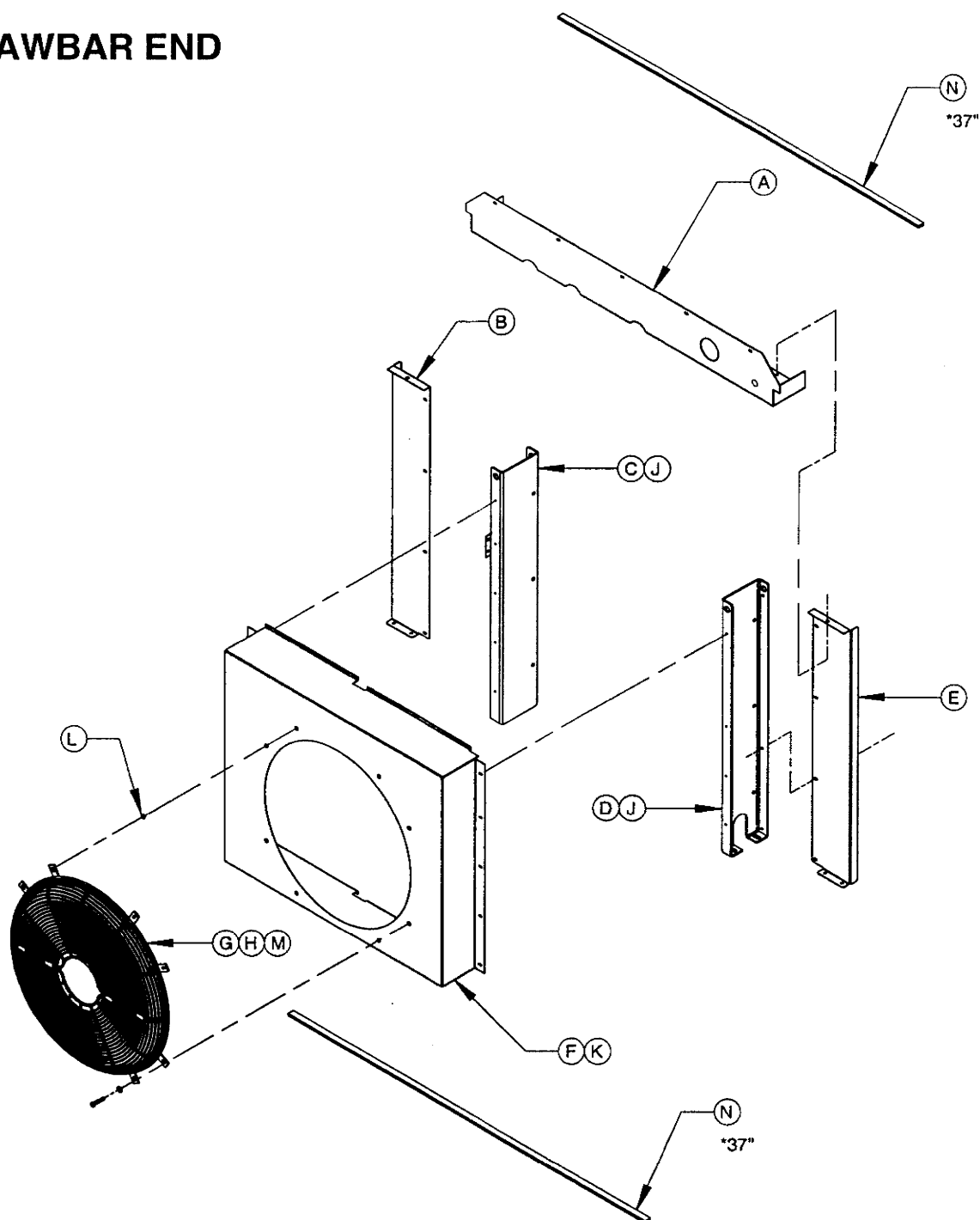


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	24899551	1	HEAD, OIL FILTER	R	85470466	2	SCREW, HEX FLANGE M08-1.25 X 100
B	85470615	1	O-RING	S	85470375	2	SCREW, HEX FLANGE M08-1.25 X 65
C	85471811	1	PLUG /W O-RING, DRAIN	T	24899312	1	ADAPTER, COOLANT PASSAGE
D	85470649	2	O-RING, 19.30 X 2.20 mm	U	85471597	1	GASKET, OIL COOLER ADAPTER
E	36114106	2	PLUG, W/ GASKET	V	24899429	2	O-RING
F	24898900	2	SCREW, HEX FLANGE M10-1.5 X 35	W	85470623	1	O-RING 15.3 X 2.20 mm
G	22206148	1	ELEMENT, OIL FILTER	X	36114098	1	PLUG w/ O-RING
H	85472611	4	O-RING, 18.64 X 3.513 mm	Y	36114080	1	PLUG, M18-2.5 X 1.5 W/ O-RING
J	24899627	1	TUBE, OIL FILTER TO COOLER	Z	36126019	1	O-RING, 9.3 X 2.2 mm
K	24899635	1	TUBE, COOLER TO OIL FILTER	A1	36106516	1	HOUSING, OIL COOLER
L	24899320	1	GASKET, ADAPTER TO OIL COOLER	A2	36118693	2	O-RING, OIL CLR/HOUSING
M	85472405	1	ADAPTER, OIL COOLER	A3	36106607	1	GASKET, OIL CLR HOUSING
N	85470375	3	SCREW, HEX FLANGE M08-1.25 X 65	A4	36115699	1	COOLER, OIL
P	85470433	2	SCREW, HEX FLANGE M08-1.25 X 90	A5	36118131	6	SCREW, M06-1.0X 16
Q	36118149	2	SCREW, HEX FLANGE M08-1.25 X 20				



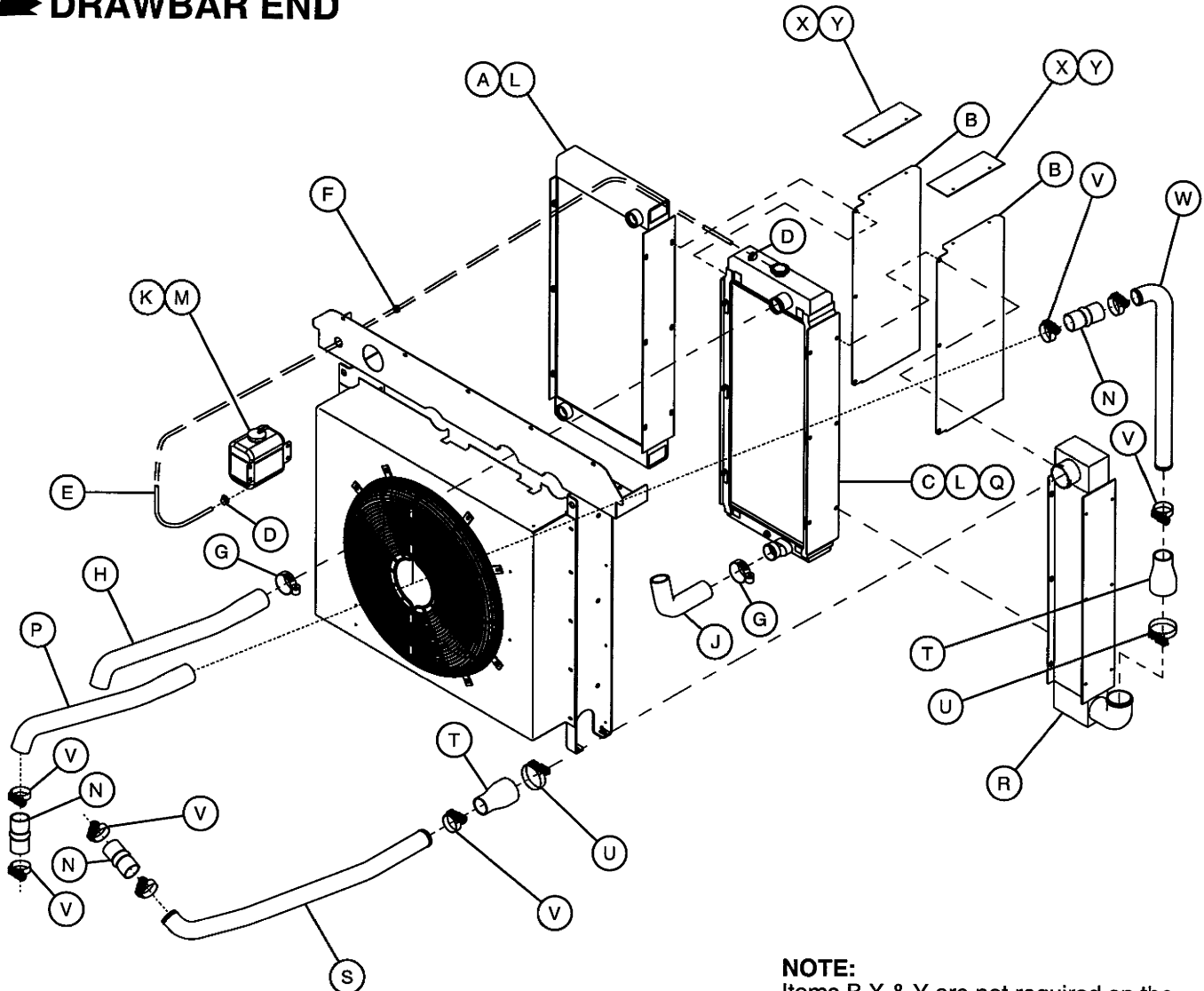
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	24899577	1	HARNESS, ALTERNATOR WIRING	H	36108066	1	BRACKET, ALTERNATOR MOUNTING
B	85471050	1	NUT, HEX FLANGE M05-0.8	J	36110112	1	WASHER, THRUST M10
C	22206221	1	ALTERNATOR, 24V	K	24898884	1	SCREW, HEX FLANGE M10-1.5 X 100
D	36920114	1	WASHER, FLAT M08	L	24898843	8	SCREW, HEX FLANGE M10-1.50 X 30
E	85470417	1	SCREW, HEX FLANGE M08-1.25 X 25	M	36108074	1	STRAP, ALTERNATOR ADJUST
F	36100188	5	NUT, FLANGE M10-1.5	N	85470185	2	SCREW, HEX FLANGE M10-1.50 X 25
G	36103232	1	BUSHING, ALTERNATOR PIVOT	P	22206213	1	STARTER, 24V

DRAWBAR END



Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22150270	1	BAFFLE, TOP	H	95934998	8	WASHER, FLAT
B	22215032	1	BAFFLE, RH COOLER	J	36879492	4	SCREW, HEX FLANGE M12-1.75 X 25
C	22150650	1	SUPPORT, OIL COOLER	K	36797652	10	SCREW, TAPPING M06-1.0 X 12
D	22150643	1	SUPPORT, CHARGE AIR COOLER	L	36895746	8	NUTSERT, M08
E	22215040	1	BAFFLE, LH COOLER	M	96702055	8	SCREW, HEX M08-1.25 X 20
F	22152730	1	SHROUD, FAN	N	35140409	*	FOAM
G	54716360	1	GUARD, FAN				

DRAWBAR END

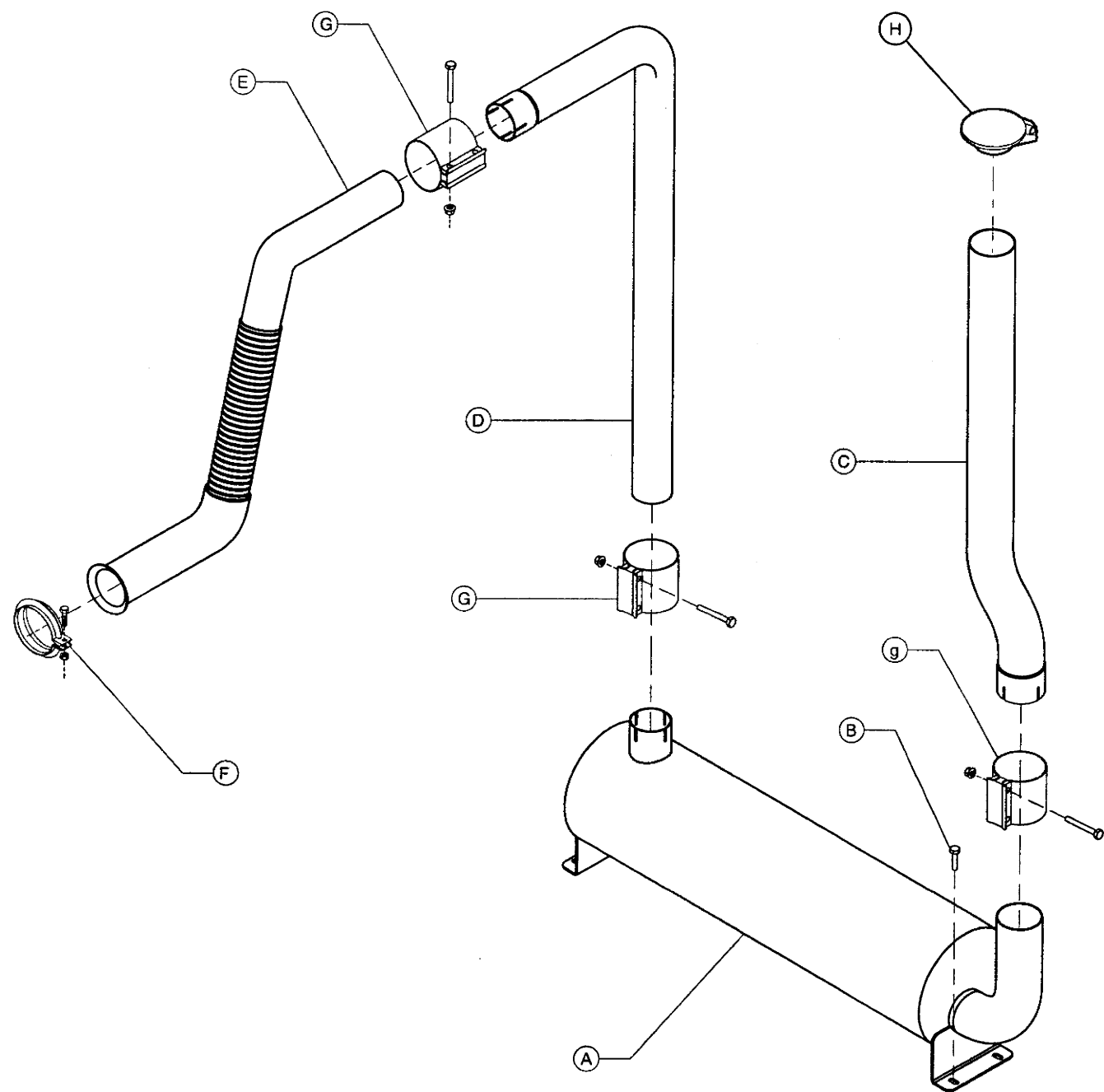


NOTE:

Items B, X & Y are not required on the HIGH AMBIENT OPTION.

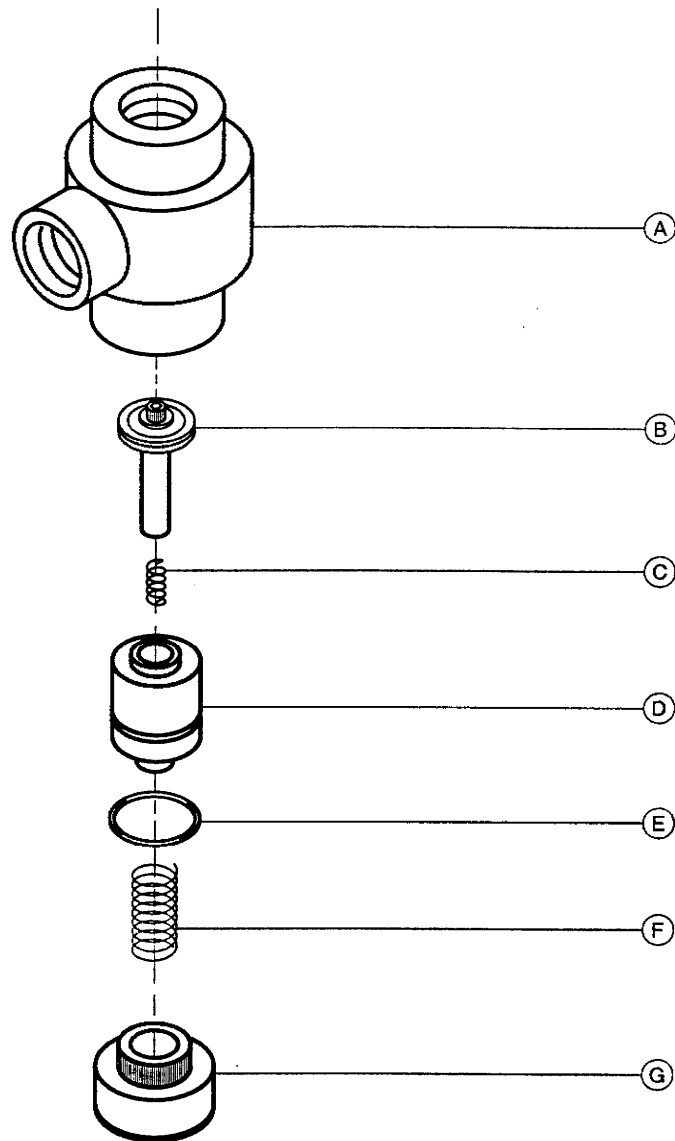
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22150197	1	OIL COOLER (P425, XP375, 7/120, 9/110)	M	92368687	4	SCREW, TAPPING M06-1.0 X 12
	22185391	1	OIL COOLER (HP375, VHP300, 10/105, 14/85)	N	22177265	3	CONNECTOR, FLEXIBLE
B	22188767	2	BAFFLE, SPLITTER	P	22186621	1	PIPE, CHARGE AIR COOLER/ENGINE
C	22220487	1	RADIATOR	Q	36769560	1	CAP, RADIATOR
D	35296342	2	CLAMP, WORM GEAR	R	22138358	1	COOLER, CHARGE AIR
E	35360775	42"	TUBING, 5/16"	S	22174734	1	PIPE, CHARGE AIR COOLER/TURBO
F	35285162	1	GROMMET	T	22189310	2	REDUCER
G	35221639	4	CLAMP, HOSE	U	22144513	3	CLAMP, SPRING-LOADED 3"
H	22173439	1	HOSE, TOP RADIATOR	V	22189302	8	CLAMP, SPRING-LOADED 2.25"
J	22174551	1	HOSE, BOTTOM RADIATOR	W	22174742	1	PIPE, CHARGE AIR COOLER VERT.
K	36884948	1	BOTTLE, COOLANT RECOVERY	X	22060503	2	PLATE, BAFFLE
L	96702279	18	SCREW, HEX M10-1.50 X 20	Y	36797652	4	SCREW, TAPPING M06-1.0 X 12

EXHAUST COMPLETE



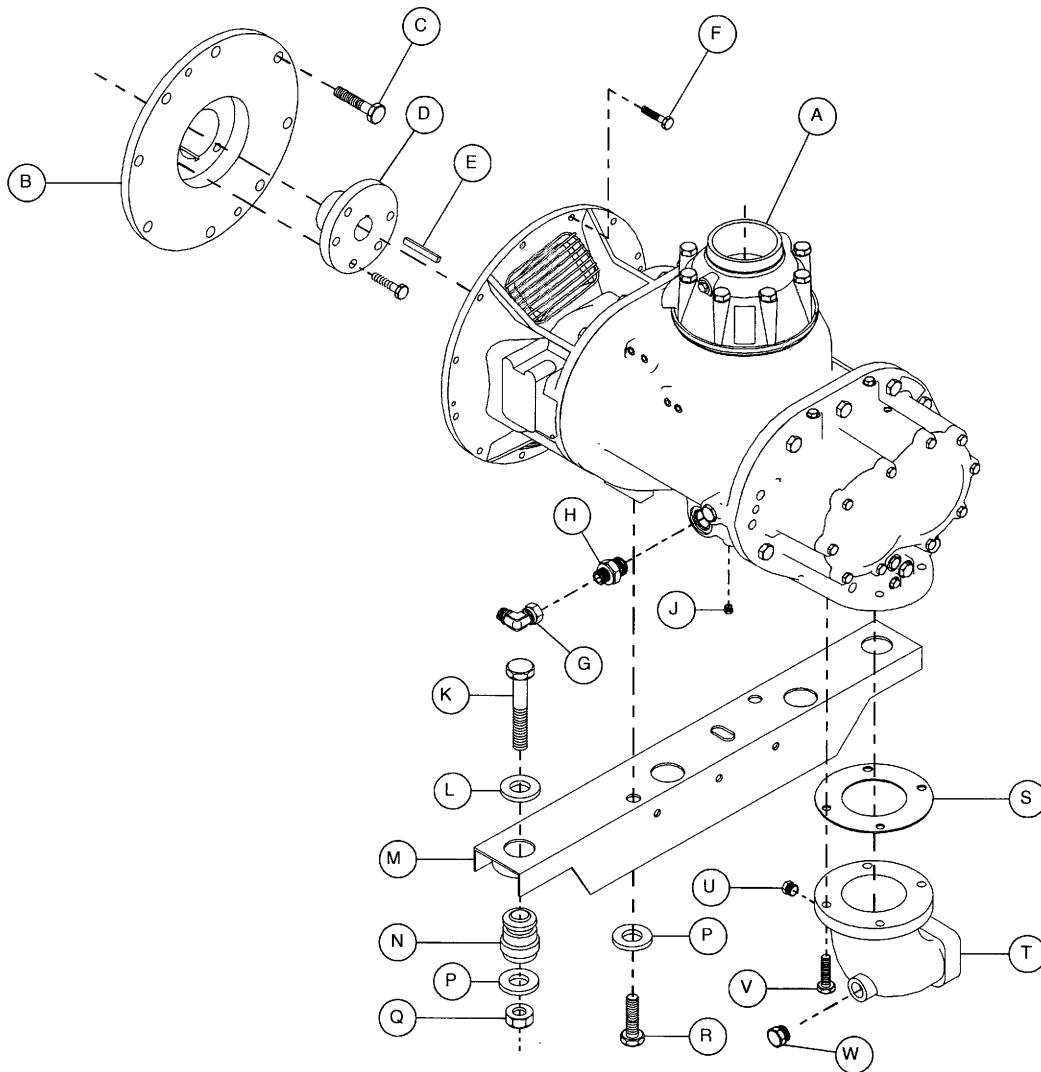
Item	CPN	Qty	Description
A	22058259	1	MUFFLER
B	35279025	4	SCREW, TAPPING M08-1.25 X 20
C	22253934	1	PIPE, EXHAUST
D	22185557	1	TUBE, EXHAUST
E	22058267	1	EXHAUST PIPE ASM.
F	36881175	1	CLAMP, EXHAUST
G	35293059	3	CLAMP, EXHAUST SEAL
H	36869337	1	CAP, RAIN

MINIMUM PRESSURE VALVE



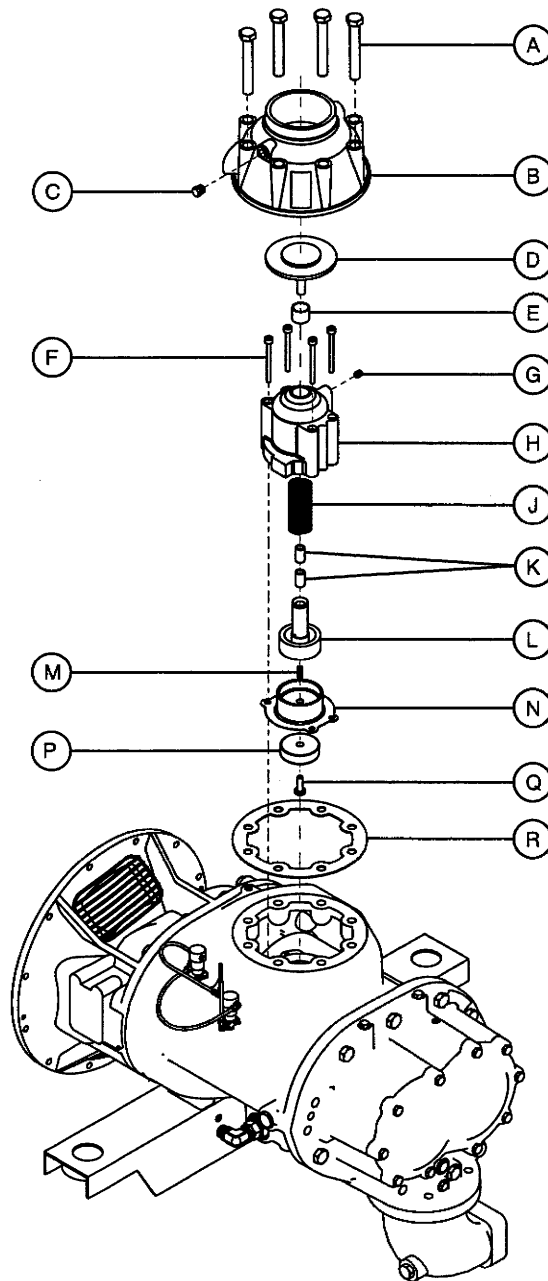
Item	CPN	Qty	Description		
A	22146625	1	BODY, MIN PRESS VALVE	22146641	MIN PRESS VALVE ASM.
B	22146633	1	CV ASSEMBLY		
C	35380732	1	SPRING		
D	22146617	1	PISTON		
E	35380724	1	O-RING		
F	35380740	1	SPRING		
G	35380757	1	CAP		

DRAWBAR END



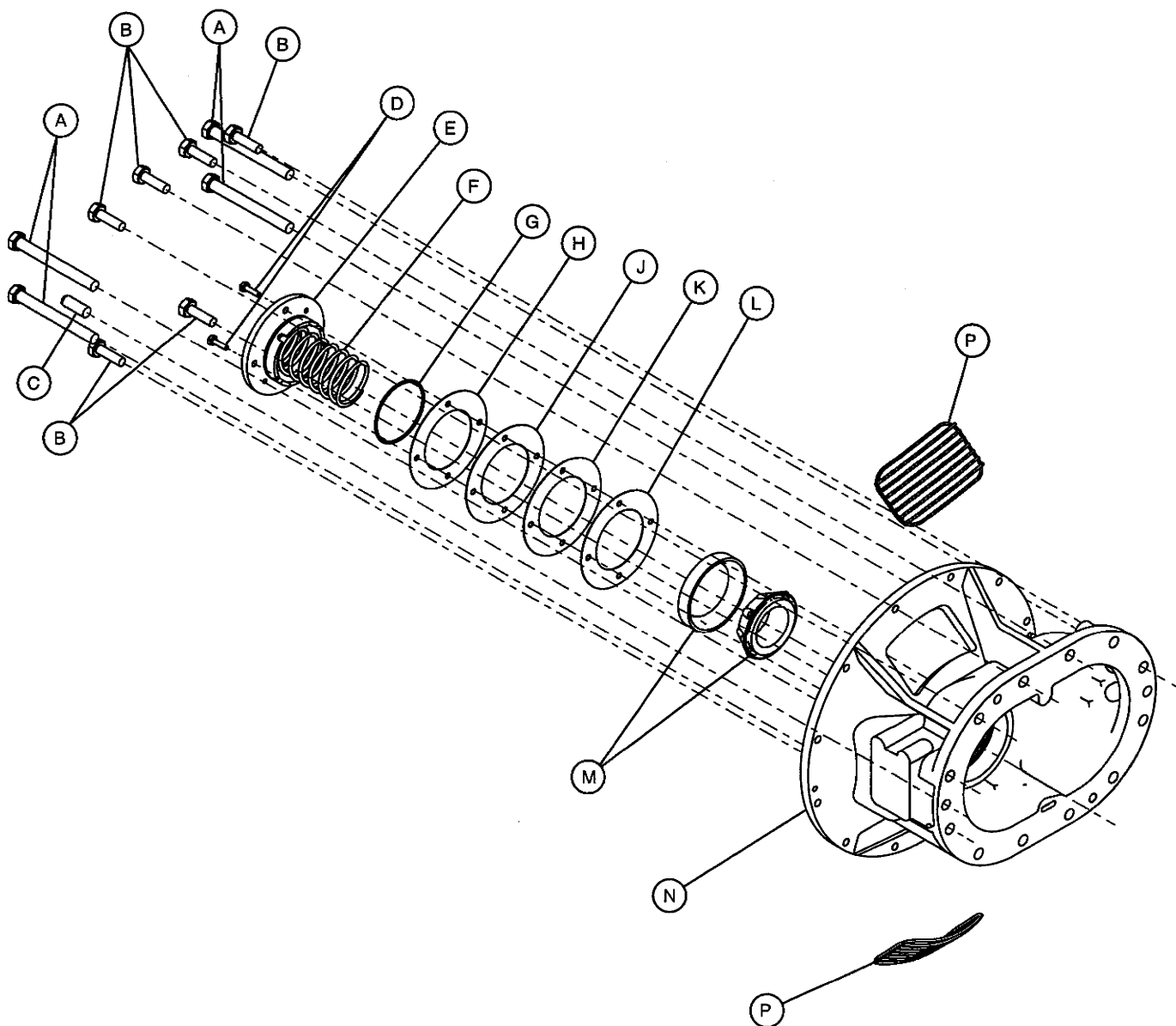
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22176812	1	AIREND ASM., P425, 7/120	K	96701503	2	SCREW, HEX M16-2.0 X 90
	22176838	1	AIREND ASM., XP375, 9/110	L	35327212	2	WASHER, SNUBBER
	22176846	1	AIREND ASM., HP375, 10/110	M	43208511	1	SUPPORT, AIREND
	22176853	1	AIREND ASM., VHP300, 14/85	N	35318229	2	ISOLATOR, CENTER BOND MOUNT
B	35834779	1	COUPLING, CLUTCH	P	95935052	4	WASHER, FLAT
C	95220604	8	SCREW, SOCKET HEAD 3/8-16 X .75	Q	96704630	2	NUT, NYLOC M16-2.0
D	35589621	1	BUSHING, CLUTCH	R	35375591	2	SCREW, HEX M16-2.0 X 30
E	35321421	1	KEY, 3/8 SQ X 2.75	S	35575570	1	GASKET
F	96701917	12	SCREW, HEX M10-1.5 X 30	T	22247340	1	ELBOW, DISCHARGE
G	35292051	1	ELB 90 SWIV NUT -16	U	95949491	1	PLUG, HEX 3/4-16 w/ O-RING
H	95955993	1	CONN, 1-5/16SAE X -16JIC	V	35375385	4	SCREW, HEX M16-2.0 X 40
J	54636584	1	ORIFICE, INJECTION	W	36898922	1	THERMISTOR

➡ DRAWBAR END



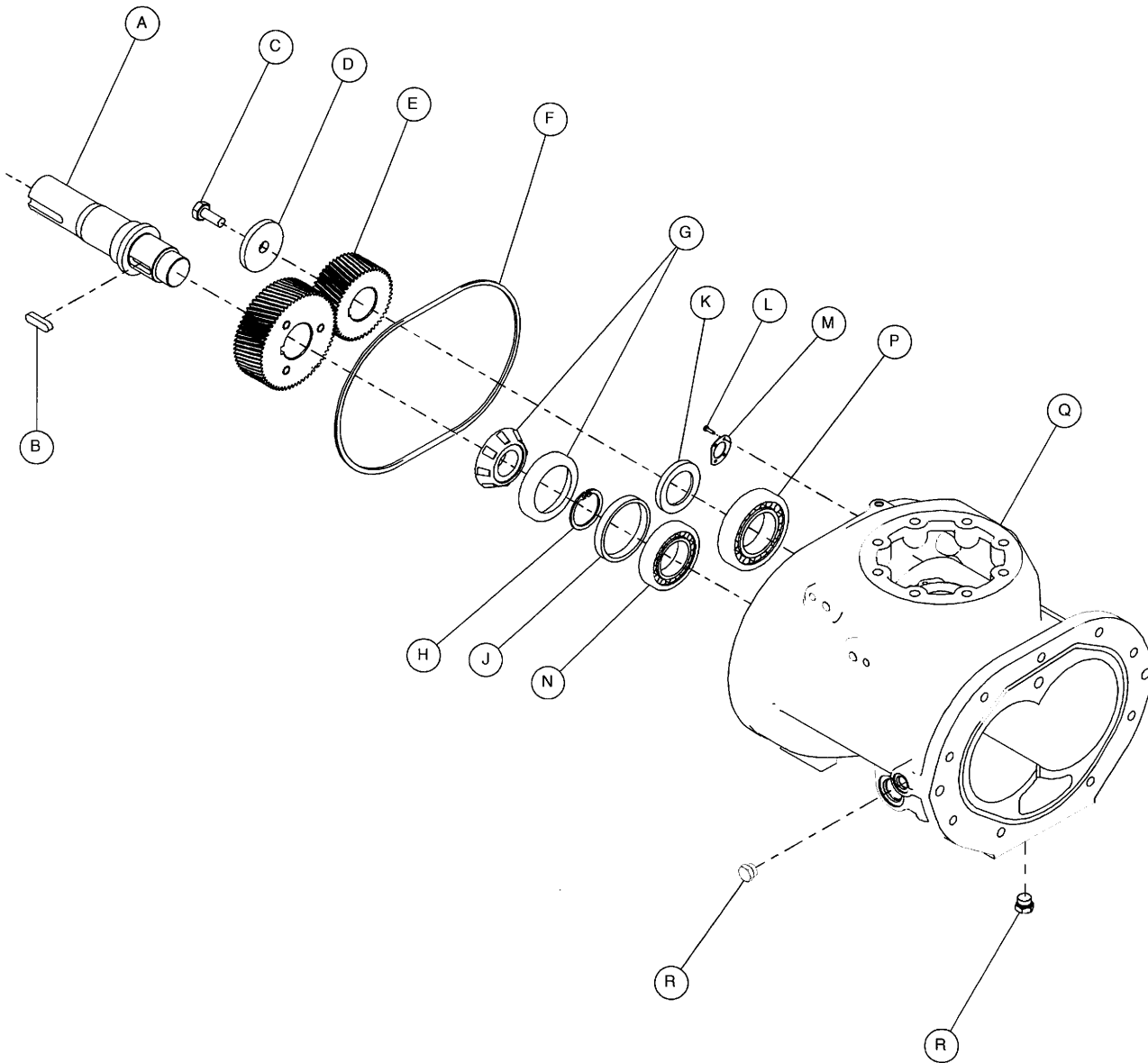
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	96705504	8	SCREW, HEX M16-2.0 X 110	K	35318005	2	BUSHING, UNLOADER PISTON
B	54719604	1	HOUSING, VALVE INLET	L	35588193	1	PISTON, UNLOADER
C	95250932	1	PLUG, 1/4 NPT	M	35321603	1	SPRING, COMPRESSION
D	35591122	1	VALVE, UNLOADER	N	54745443	1	DIAPHRAGM, INLET
E	35318013	1	BUSHING, PISTON HOUSING	P	22095319	1	SPACER, PISTON STOP
F	96700349	4	SCREW, HEX SOC CAP M08-1.25 X 80	Q	96701917	1	SCREW, HEX M10-1.5 X 30
G	95049359	1	PLUG, 1/8 NPT	R	54753934	1	GASKET, INLET VALVE
H	54719638	1	HOUSING, PISTON INLET				
J	35322767	1	SPRING, PISTON				

DRAWBAR END



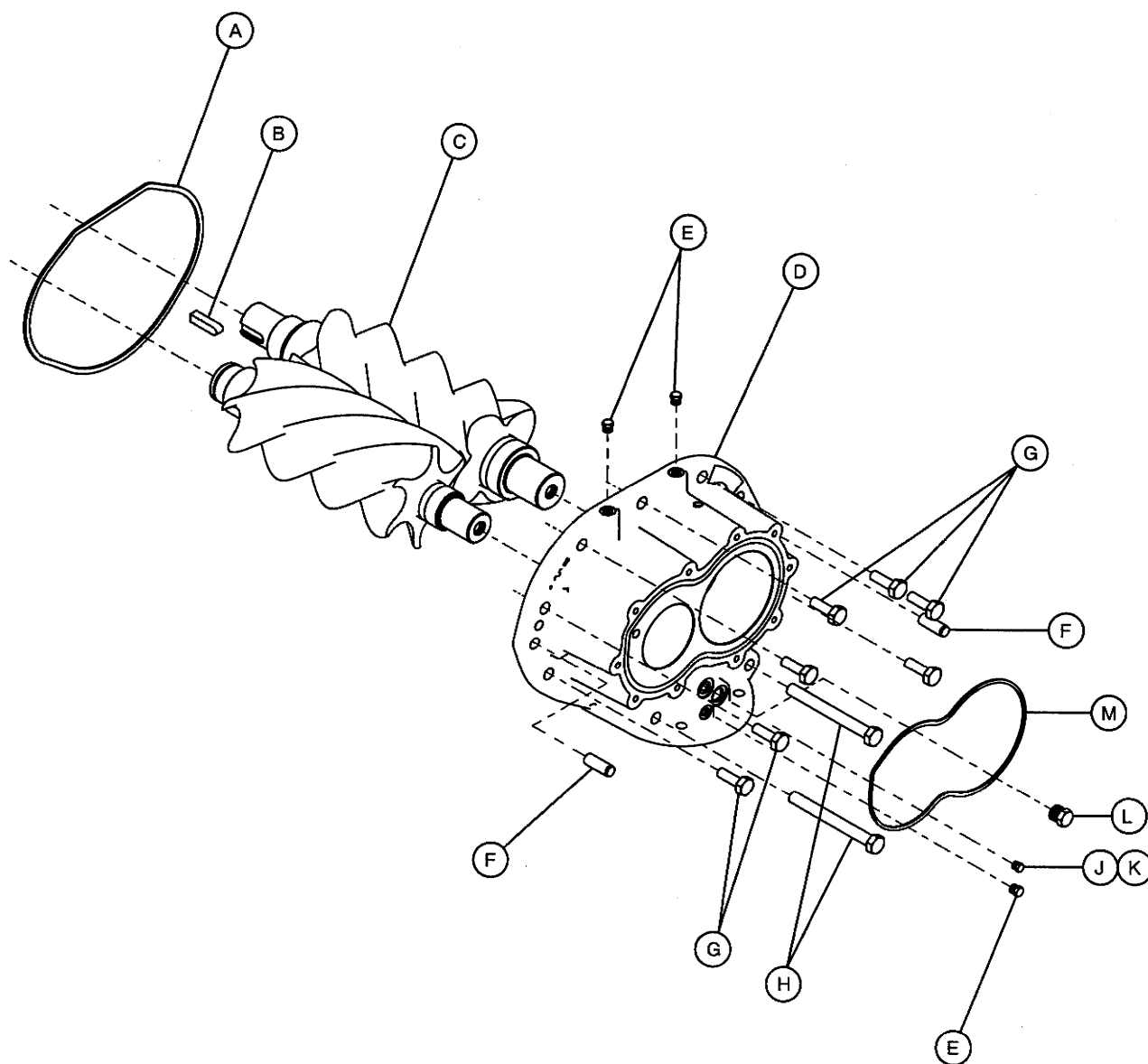
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	96707377	4	SCREW, HEX M16-2.0 X 150	H	54690045	6	SHIM, .0508mm THICK
B	96706262	8	SCREW, HEX M16-2.0 X 45	J	54690037	1	SHIM, .254mm THICK
C	35295336	2	PIN, DOWEL M16 X 40	K	54690011	1	SHIM, .508mm THICK
D	96702253	4	SCREW, HEX M08-1.25 X 25	L	54690003	1	SHIM, 1.016mm THICK
E	54653514	1	HOUSING, SEAL	M	35610203	1	BEARING, TAPER ROLLER
F	35593490	1	SEAL, SHAFT	N	54611918	1	GEARCASE
G	95022356	1	O-RING	P	36798346	2	GUARD, HAND

DRAWBAR END



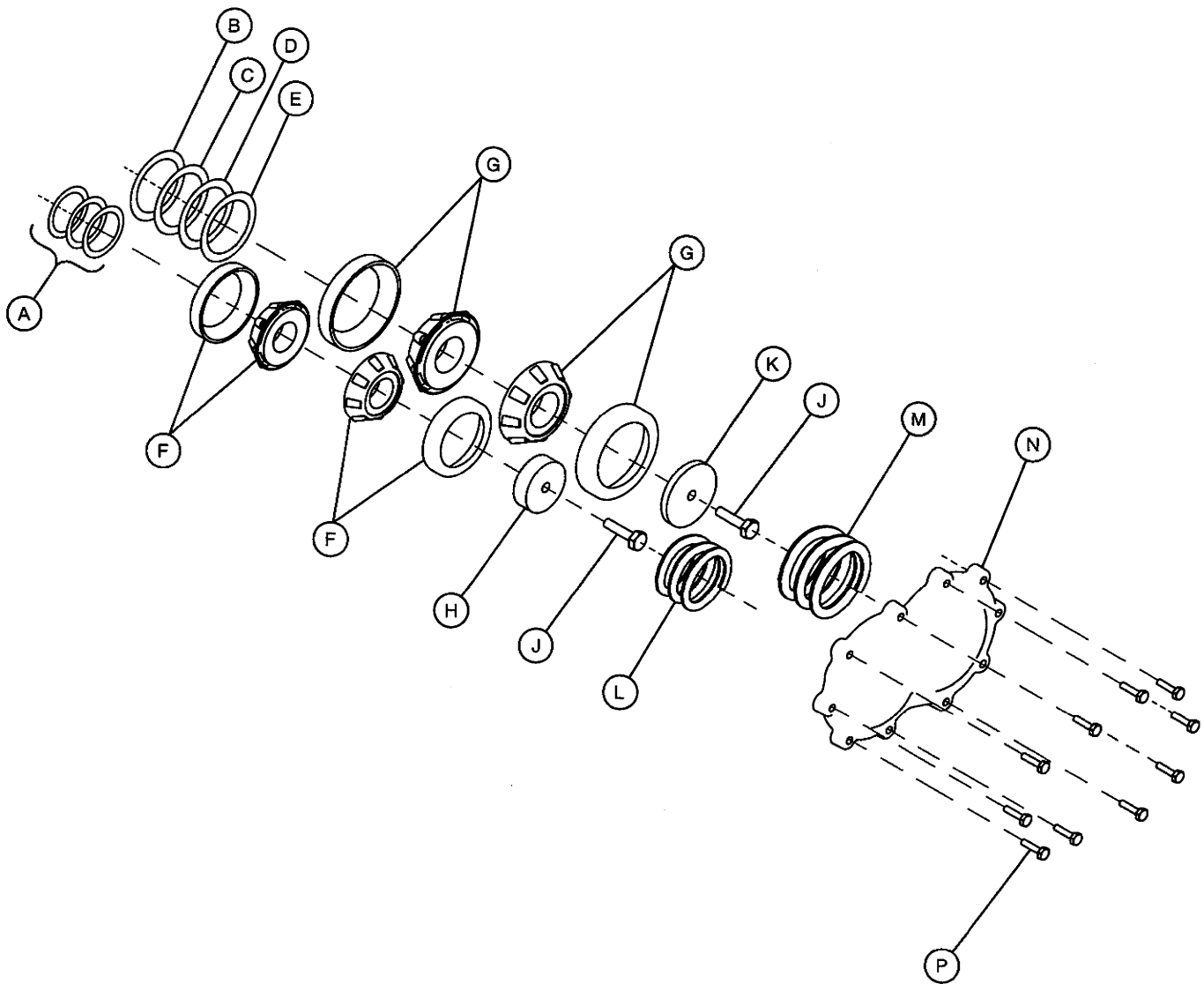
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54665237	1	SHAFT, DRIVE	H	95223806	1	RING, EXT. RETAINING
B	95688289	1	KEY, 1/2" SQ. X 1.75	J	54643432	1	SPACER
C	96706254	1	SCREW, HEX M16-2.0 X 35	K	54686936	1	SPACER, MALE ROTOR GEAR
D	35255819	1	PLATE, CLAMP	L	96716105	4	SCREW, HEX M06-1.0 X 12
E	54603584	1	GEAR SET P425, 7/120	M	54654819	1	RETAINER, MR INLET BEARING
	54610779	1	GEAR SET HP375, 10/105	N	35609361	1	BEARING, CYLINDRICAL
	54670070	1	GEAR SET XP375, 9/110	P	35313550	1	BEARING, CYLINDRICAL
	22151534	1	GEAR SET VHP300, 14/85	Q	54509187	1	HOUSING, ROTOR
F	54680939	1	O-RING, INLET END ROTOR HSG.	R	95938213	2	PLUG, HEX 3/4-16
G	54469242	1	BEARING, TAPER ROLLER				

DRAWBAR END



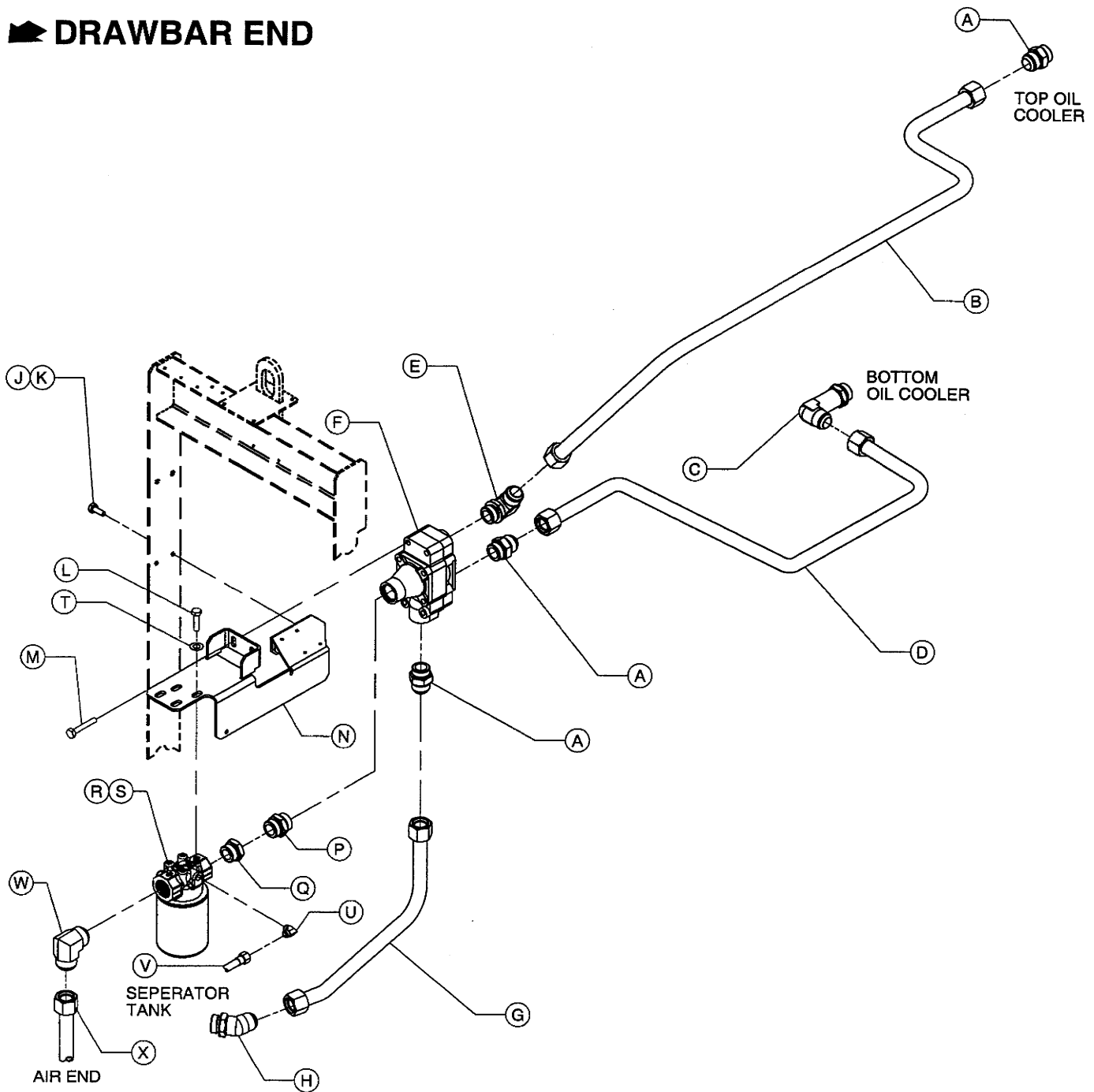
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54680921	1	O-RING, ROTOR HSG TO RR BRG HSG	G	96716162	7	SCREW, HEX M16-2.0 X 40
B	96741459	1	KEY, 9 X 14 X45	H	96707377	2	SCREW, HEX M16-2.0 X 150
C	42495101	1	ROTOR SET	J	96740329	1	PLUG, HEX M12-1.75 X 1.5
D	54509203	1	HOUSING, REAR BEARING	K	54629951	1	RING, SEAL
E	95938965	3	PLUG, HEX 7/16	L	95938213	1	PLUG, HEX 3/4-16
F	35295336	2	PIN, DOWEL M16 X 40	M	95643383	1	O-RING

DRAWBAR END



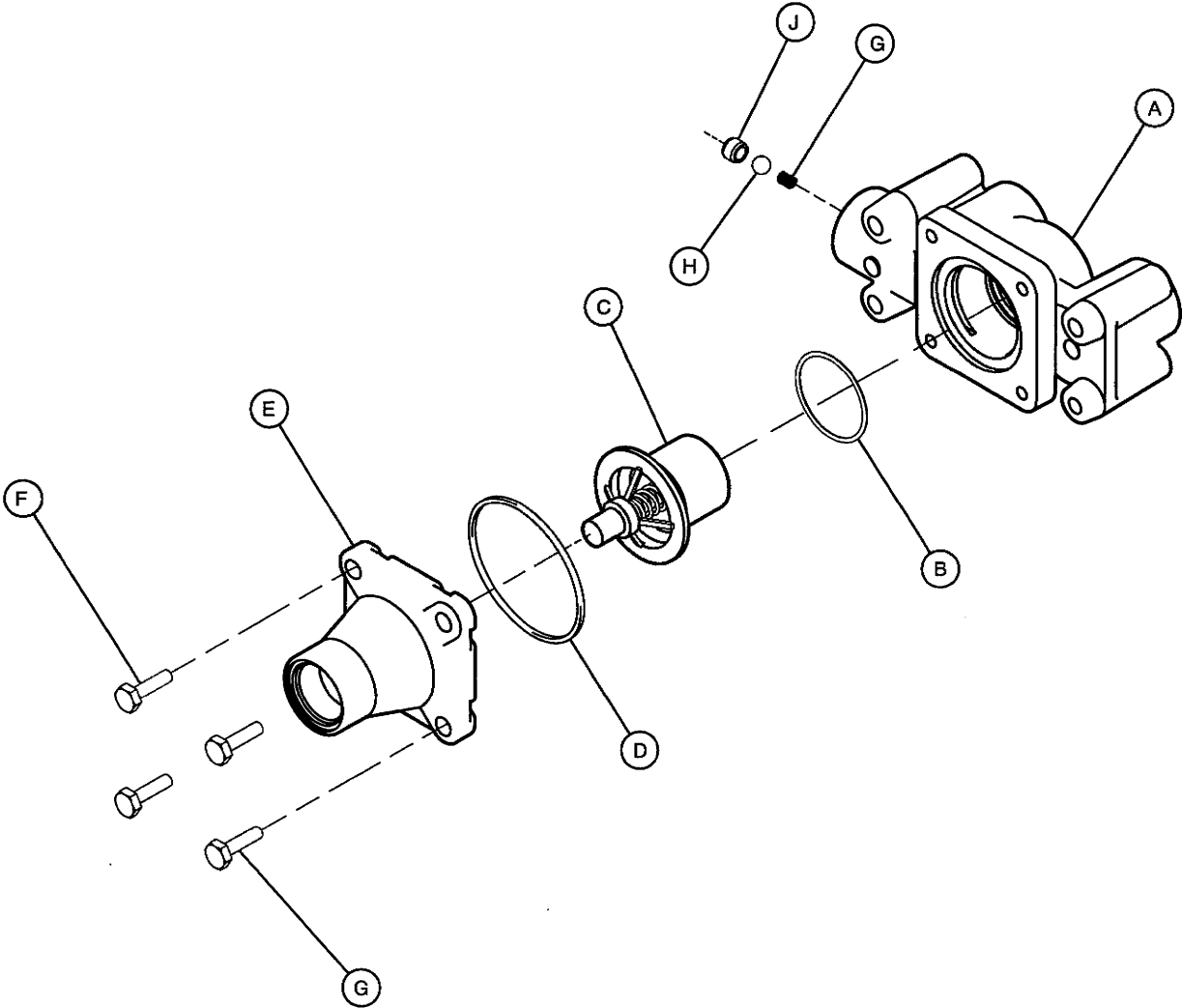
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	35355874	1	SHIM SET, DISCHG END CLEARANCE	H	54635651	1	RETAINER, BEARING
B	39312079	1	SHIM, ROTOR END CLEAR .050mm	J	96710553	2	SCREW, HEX M16-2.0 X 50
C	39312293	1	SHIM, ROTOR END CLEAR .075mm	K	54635644	1	RETAINER, BEARING
D	39312301	1	SHIM, ROTOR END CLEAR .100mm	L	54643903	1	SPRING, WAVE
E	39312319	1	SHIM, ROTOR END CLEAR .250mm	M	54643895	1	SPRING, WAVE
F	35600113	2	BEARING, TAPER ROLLER	N	54523980	1	COVER, REAR BEARING
G	39309117	2	BEARING, TAPER ROLLER	P	96705983	10	SCREW, HEX M10-1.5 X 35

DRAWBAR END



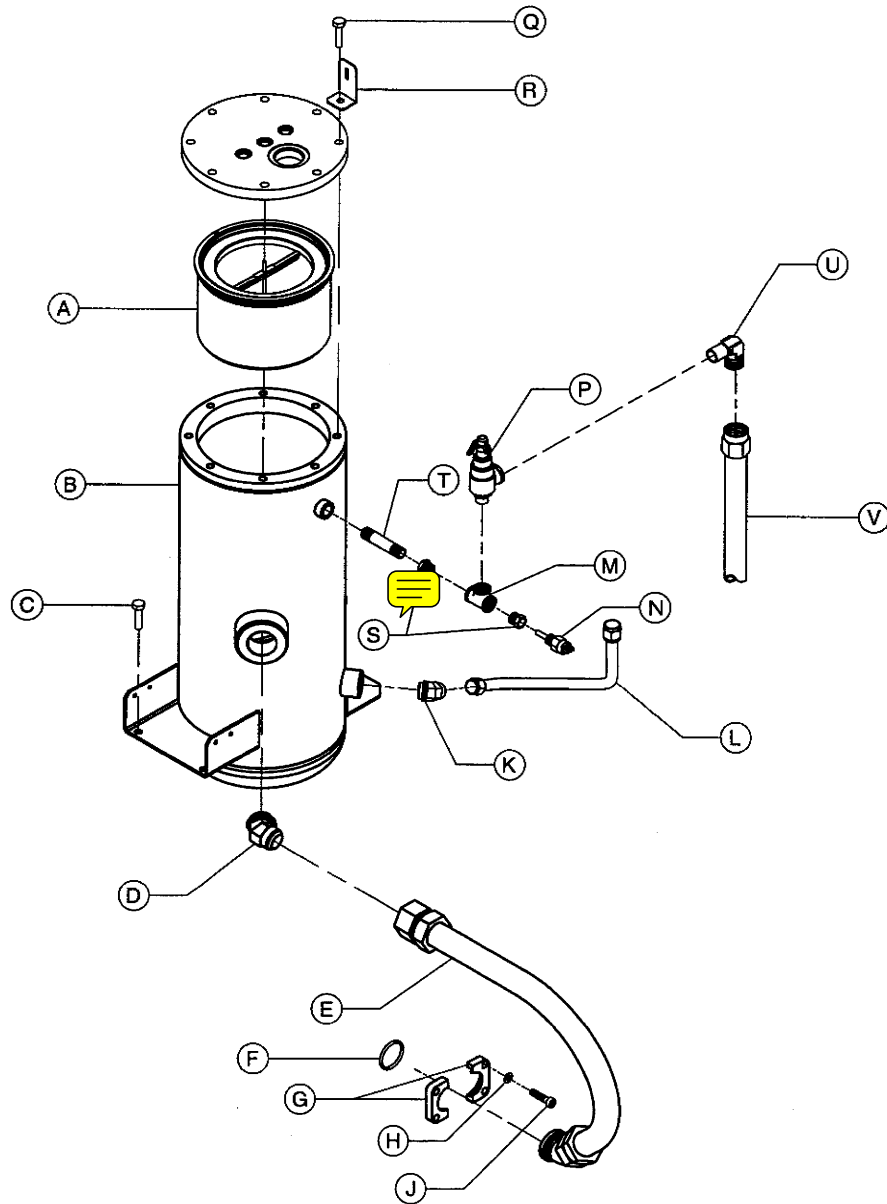
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	95955993	3	CONNECTOR, 1.31 SAE	M	36786382	2	SCREW, M08-1.25 X 70
B	54679998	1	TUBE, OIL COOLER TOP	N	36880367	1	SUPPORT, OIL FILTER
C	95992848	1	ELBOW, 90 DEGREE	P	95954921	1	UNION, 1.31 SAE
D	54414420	1	TUBE, OTBV TO OIL COOLER	Q	95954913	1	REDUCER, 1.62 SAE X 1.31FEM SAE
E	95938171	1	ELBOW, 90 1.31 SAE	R	36897437	1	HEAD, SINGLE FILTER
F	54414420	1	OTBV, 1.31 SAE	S	36897346	1	ELEMENT, OIL FILTER
G	35227909	1	HOSE, -16 X 25"	T	95935037	2	WASHER, FLAT
H	95992632	1	ELBOW, 45 1.31 SAE	U	95365094	1	ELBOW, 9/16 X -4 JIC
J	35279025	2	SCREW, TAPPING M08-1.25 X 20	V	35282920	1	HOSE ASM. -4JIC X 30
K	36881886	2	NUT, HEX FLANGE M08-1.25	W	95376133	1	ELBOW, 1.63-12
L	35252493	2	SCREW, LOCKING 3/8-16 X 3/4	X	36792000	1	HOSE ASM. -16JIC X 17.75

OIL TEMPERATURE BYPASS VALVE

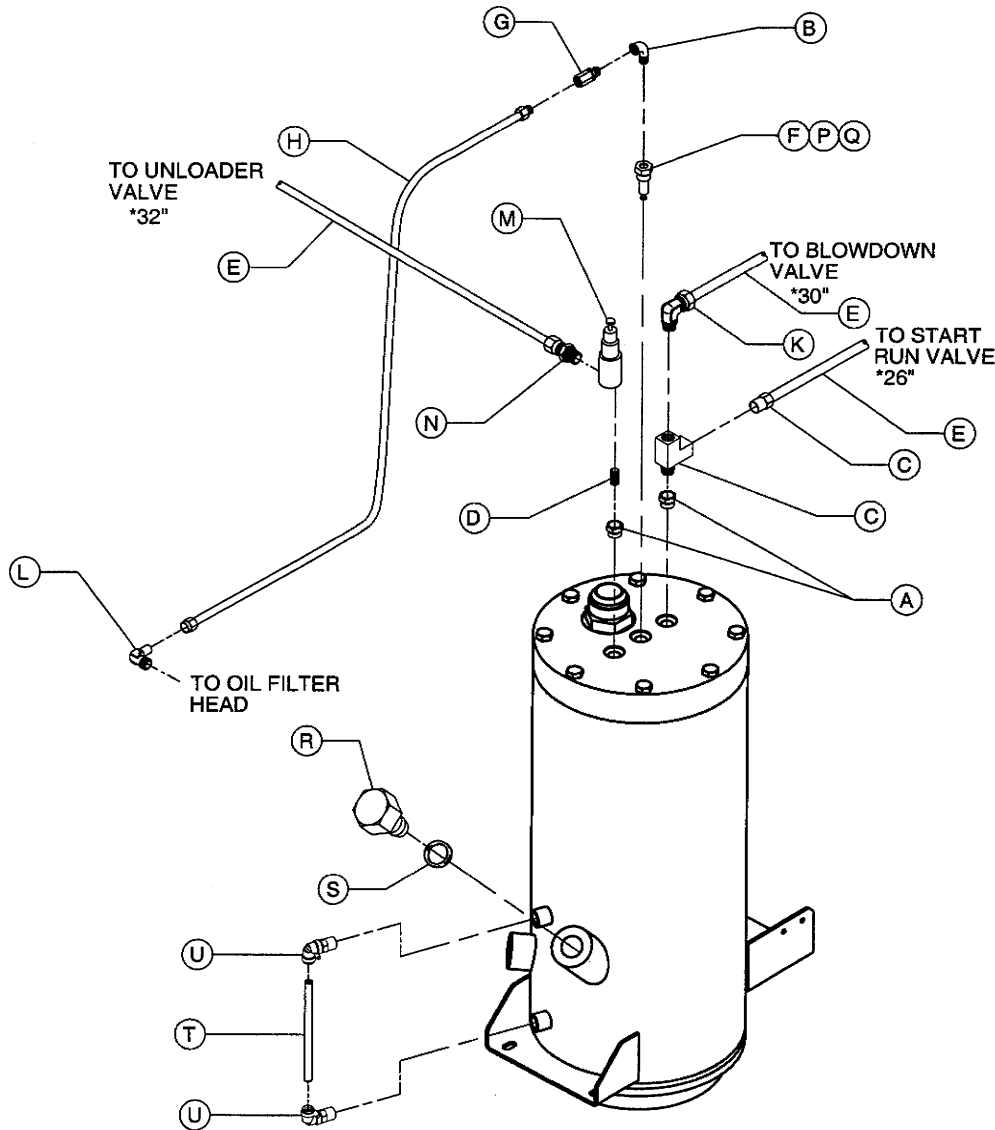


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54414305	1	HOUSING, OTBV	F	96702659	4	SCREW, HEX M08-1.25 X 25
B	36788172	1	SEAL, U-TYPE VITON	G	35379940	1	SPRING
C	36782019	1	ELEMENT, 125-145 DEG F	H	35288448	1	BALL
D	95022307	1	O-RING	J	54414677	1	ORIFICE, OIL
E	36876779	1	COVER				

ESA SEPARATOR TANK COMPLETE (cont'd)

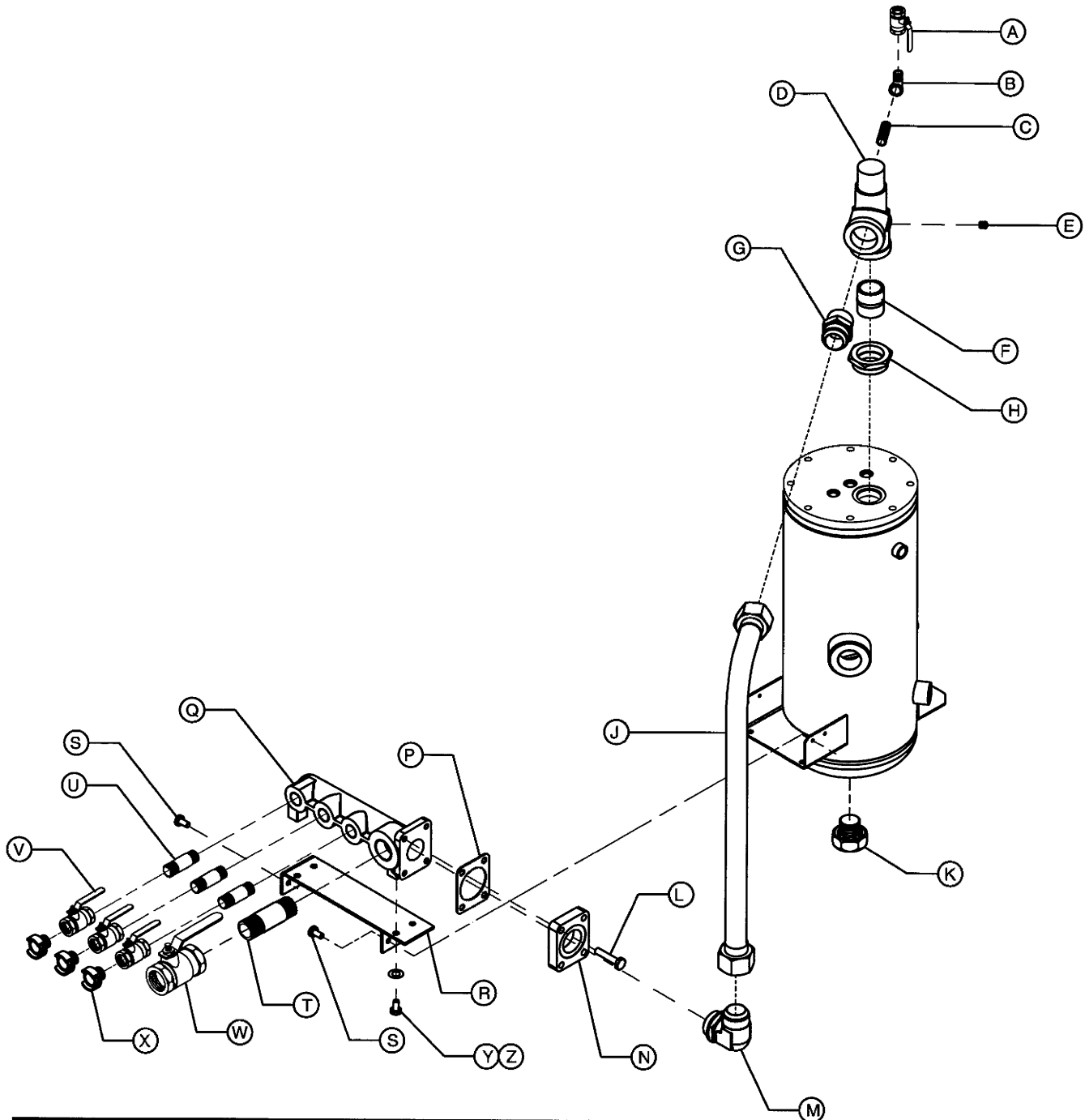


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	22111975	1	ELEMENT, SEPARATOR	M	95954228	1	TEE, 1.0 NPT
B	54620604	1	TANK, SEPARATOR	N	36898922	1	SENSOR, TEMPERATURE
C	36888055	4	SCREW, HEX FLANGE M12-1.75 X 30	P	22251938	1	VALVE, SAFETY 150PSI (7/120)
D	95944732	1	ELBOW, 45 2.50 SAE		22251946	1	VALVE, SAFETY 200PSI (9/110, 10/105)
E	54688015	1	HOSE, DISCHARGE		22251953	1	VALVE, SAFETY 250PSI (14/85)
F	95357976	1	O-RING	Q	96727557	8	SCREW, HEX FLANGE M16 X 60
G	35292143	2	FLANGE, HALF	R	36785012	2	BRACKET, SEPERATOR TANK LIFT
H	95934683	4	WASHER, LOCK	S	95944671	2	BUSHING, RED 1.0NPTM X .75NPTF
J	96719810	4	SCREW, HEX M14-2.0 X 40	T	95928040	1	NIPPLE, 3/4 NPT CLOSED
K	95992632	1	ELBOW, 45 1.31SAE	U	95286548	1	ELBOW, 1.25 NPT X -16 JIC
L	35132877	1	TUBE, OTBV TO SEPTK	V	22060073	1	TUBE, DISCHARGE

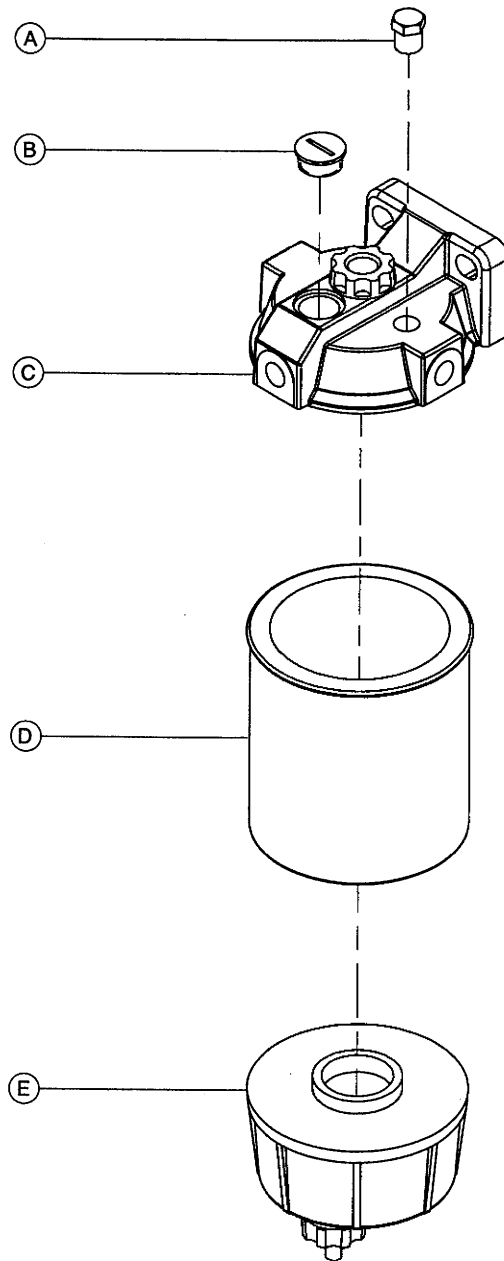


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	95773032	2	ADAPTER, .88 SAE	L	95365094	1	ELBOW, 9/16 X -4 JIC
B	35283464	1	ELBOW, 1/4 NPT X -4 JIC	M	36896892	1	VLV, PRESS REG 200PSI (10/105, 14/85)
C	35114545	1	TEE, 1/4 NPT		36854149	1	VLV, PRESS REG 100PSI (7/120, 9/110)
D	95944575	1	NIPPLE, CLOSED 1/4 NPT	N	35369347	1	CONN, MALE 1/4 NPT X 3/8 TUBE
E	35356484	*	TUBING, 3/8" SYNFLEX	P	92877620	1	O-RING
F	54721337	1	ADAPTER, OIL SCVANGE TUBE	Q	95973228	1	O-RING
G	36840411	1	VALVE, CHECK	R	35579630	1	PLUG, 1.62"
H	35282920	1	HOSE, -4 JIC X 30"	S	35279942	1	O-RING
J	35369347	1	CONNECTOR, MALE 1/4 NPT X 3/8 TUBE	T	54629464	1	TUBE, SIGHT
K	35369354	1	ELBOW MALE 1/4 NPT X 3/8 TUBE	U	54627799	2	ELBOW, SIGHT TUBE

ESA SERVICE AIR COMPLETE

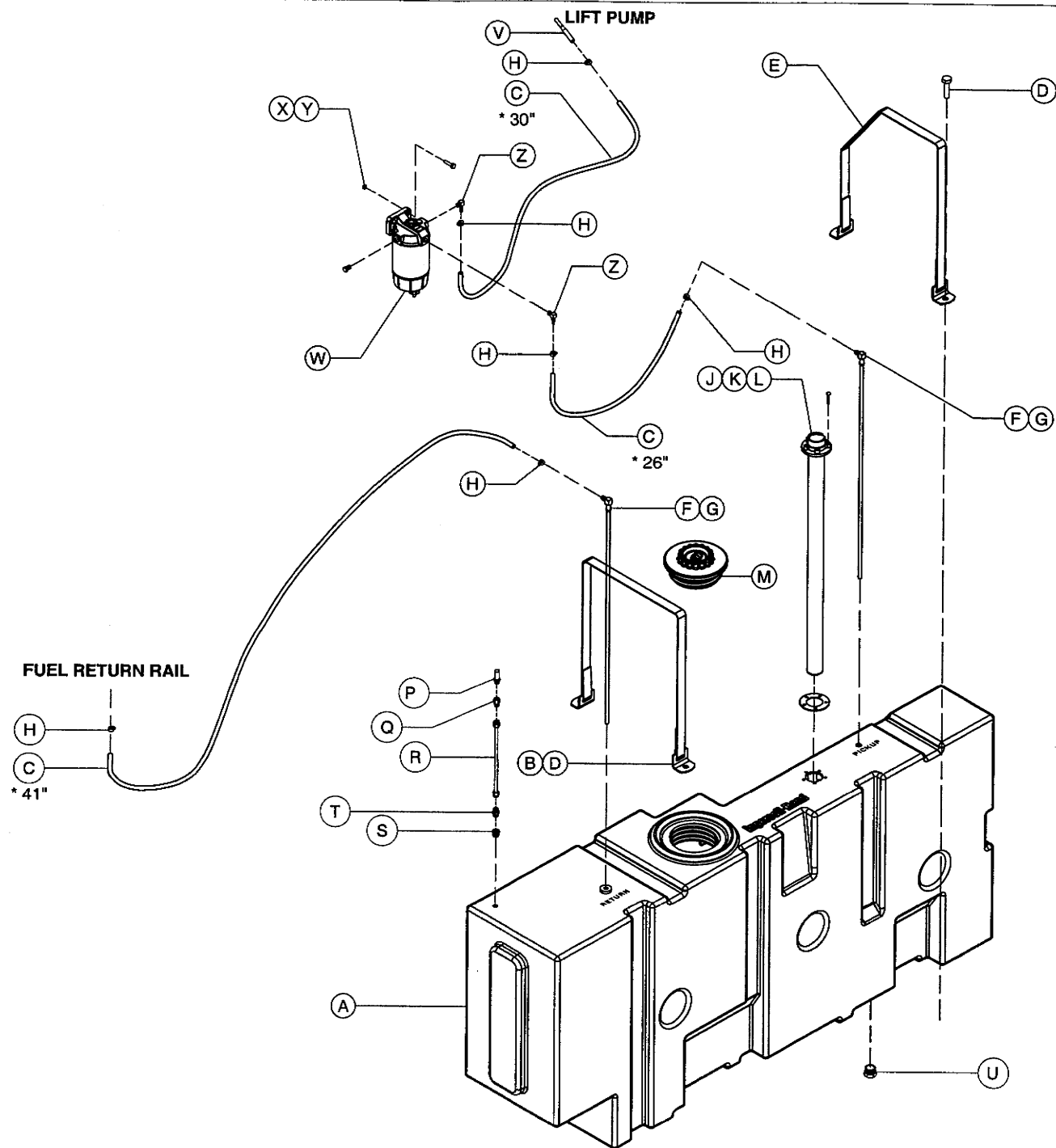


Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	35576115	1	VALVE, 3/4 NPT BALL	N	54694815	1	COVER, MANIFOLD
B	95928172	1	ELBOW, STREET 3/4 NPT	P	35294628	1	GASKET, MANIFOLD COVER
C	95928040	1	NIPPLE, CLOSED 3/4NPT	Q	36710036	1	MANIFOLD, SERVICE
D	22146641	1	VALVE, MINIMUM PRESSURE	R	54698113	1	SUPPORT, SERVICE PIPE
E	95928230	1	PLUG, HEX SOCKET 1/4 NPT	S	35279025	4	SCREW, HEX M08-1.25 X 20
F	95242996	1	NIPPLE, 1.5 X 2.0 LG	T	92076454	1	NIPPLE, PIPE 1.25 NPT X 4.5
G	95208682	1	ADAPTER, 1.50 NPT X 1.50	U	92076447	3	NIPPLE, 3/4BSPT - 3/4NPT
H	95741088	1	ADAPTER, FEMALE	V	92294461	3	VALVE, 3/4 NPT BALL
J	54698675	1	TUBE, SERVICE	W	92111228	1	VALVE, BALL 1.25 NPT
K	95280541	1	PLUG, HEX O-RING 1.06-12	X	92178524	3	COUPLING, CLAW TYPE
L	96701487	4	SCREW, HEX M10-1.50 X 30	Y	96702279	3	SCREW, HEX M10-1.50 X 20
M	95431292	1	ELBOW, 1.88-12 X -24JIC	Z	96701404	3	WASHER, FLAT M10



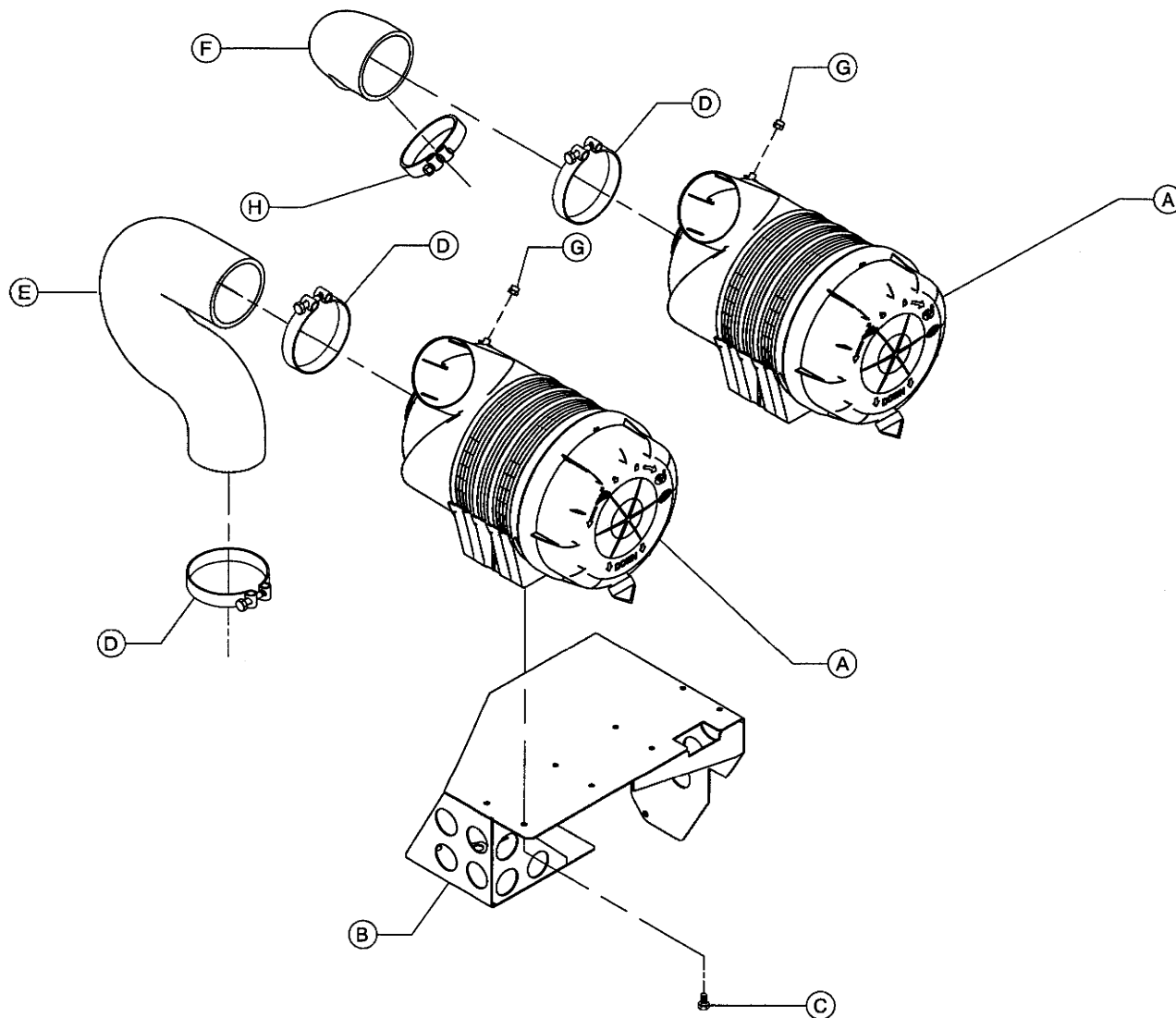
Item	CPN	Qty	Description
A	54480520	1	PLUG, VENT
B	35358381	1	COVER, CHECK BALL
C	54480512	1	HEAD
D	54468178	1	ELEMENT ASM.
E	54480504	1	BOWL, POLYCARBONATE

FUEL TANK COMPLETE



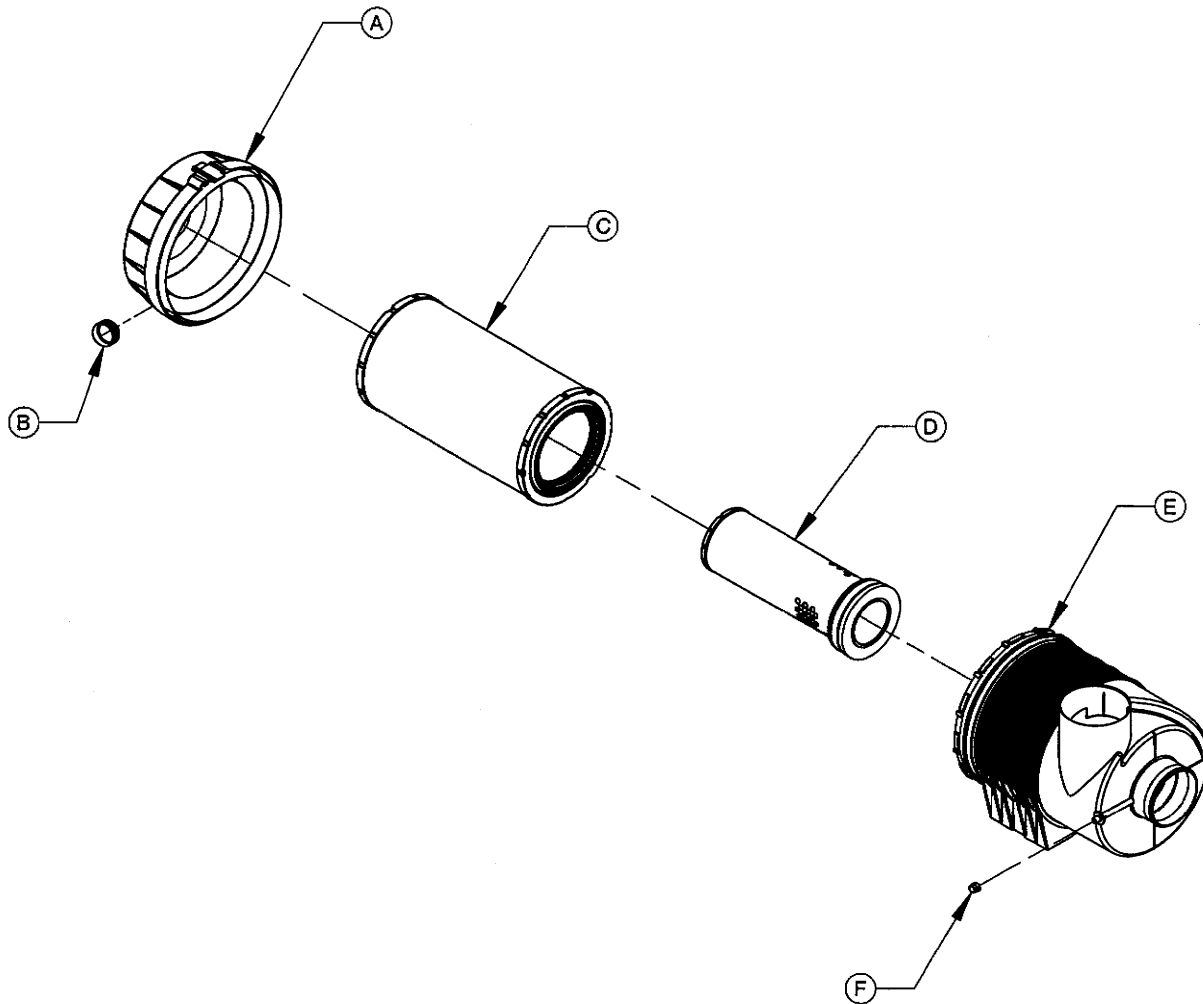
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54633938	1	TANK, FUEL	N	36845493	1	FILTER, IN-LINE FUEL
B	54720727	1	STRAP, FUEL TANK	P	35322395	1	SILENCER, PNEUMATIC 1/4 NPT
C	35363498	*	HOSE, .31 FUEL	Q	35369339	1	CONN, FEMALE 1/4 NPT X 3/8 TUBE
D	35271170	4	SCREW, TAPPING M08-1.25 X 40	R	35356484	8.5	TUBING, 3/8 SYNPLEX
E	54721170	1	STRAP, FUEL TANK	S	95940748	1	BUSHING, REDUCING 3/8 NPT X 1/4
F	54675863	2	STANDPIPE ASM.	T	35369347	1	CONN, MALE 1/4 NPT X 3/8 TUBE
G	35384577	2	BUSHING, NITRILE	U	95280541	1	PLUG, HEX 1.06-16 SAE
H	35296342	6	CLAMP, WORMGEAR	V	36895977	1	REDUCER, FUEL LINE 5/16 X 1/4
J	54731427	1	SENDER, FUEL LEVEL	W	54468160	1	FILTER, FUEL/WATER SEPARATOR
K	35361849	1	GASKET, FUEL SENDER	X	36889608	2	SCREW, HEX FLG HD M08-1.25 X 25
L	95916532	5	SCREW, FILLISTER HEAD 10-32 X .50	Y	36881886	2	NUT, HEX FLG M08-1.25
M	54660089	1	CAP, FUEL	Z	35378538	2	ELBOW, BARBED

DRAWBAR END



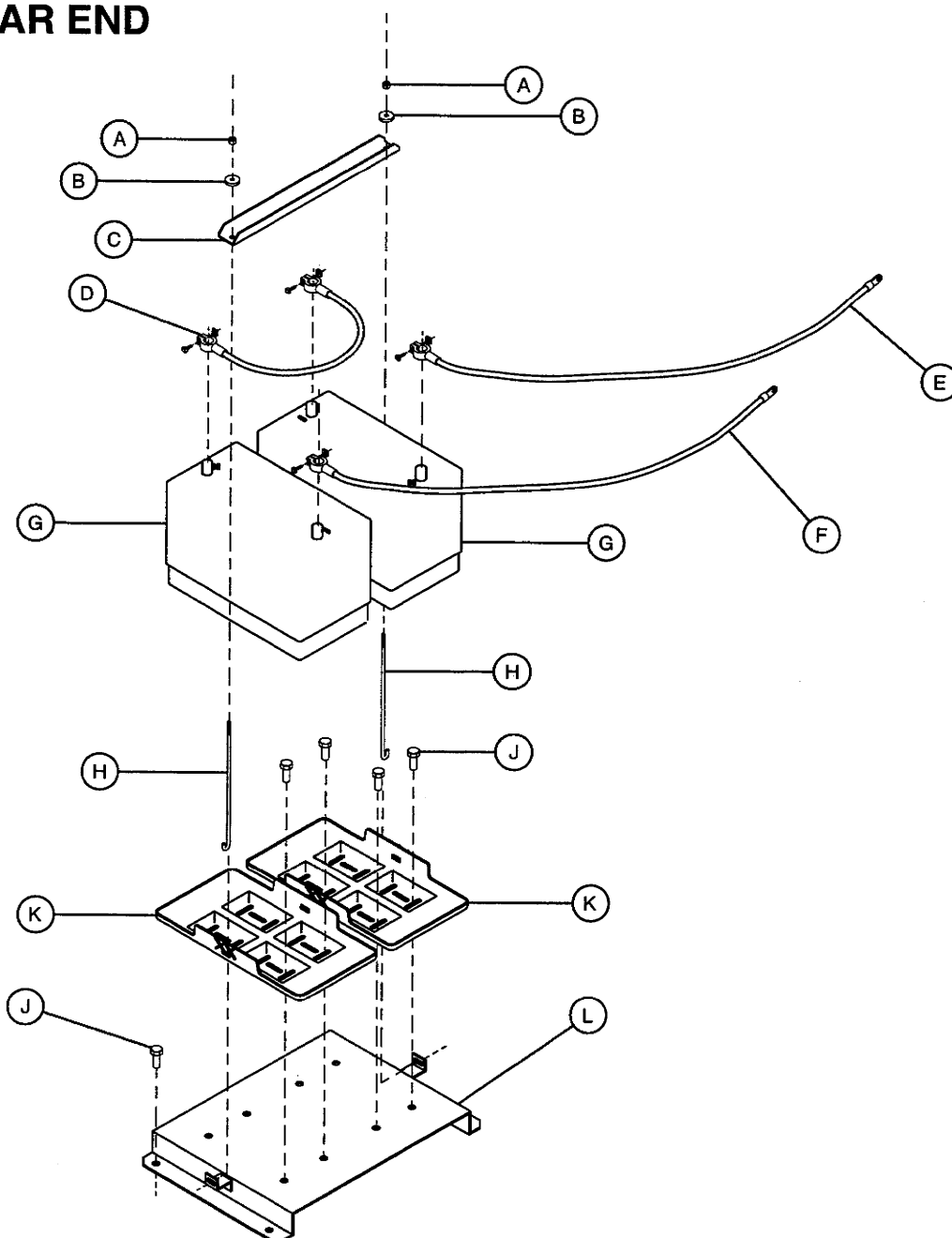
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54661889	2	AIR CLEANER ASM.	E	22194393	1	HOSE, A/E AIR INTAKE
B	54727862	1	SUPPORT, AIR CLEANER	F	54667084	1	HOSE, ENGINE AIR INTAKE
C	96702048	8	SCREW, HEX M08-1.25 X 16	G	35314939	2	INDICATOR, RESTRICTION
D	22067714	3	CLAMP, T-BOLT	H	35374073	1	CLAMP, T-BOLT

AIR CLEANER ASSEMBLY



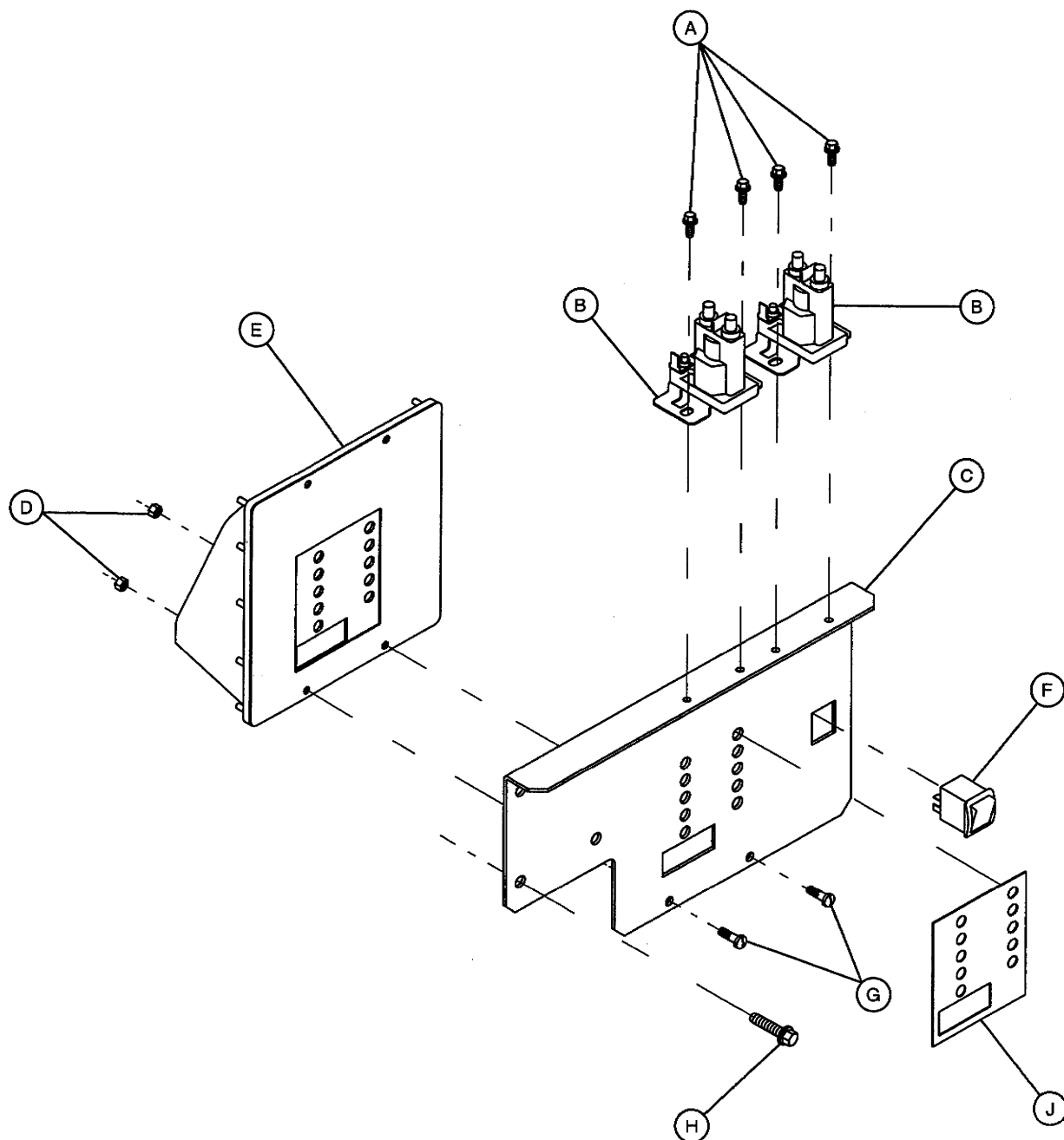
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54692975	1	COVER, AIR CLEANER	D	54717152	1	ELEMENT, SAFETY
B	35393677	1	VALVE, DUST EJECTOR	E	54692967	1	BODY, AIR CLEANER
C	54717145	1	ELEMENT, PRIMARY	F	35393719	1	CAP, PLUG

DRAWBAR END



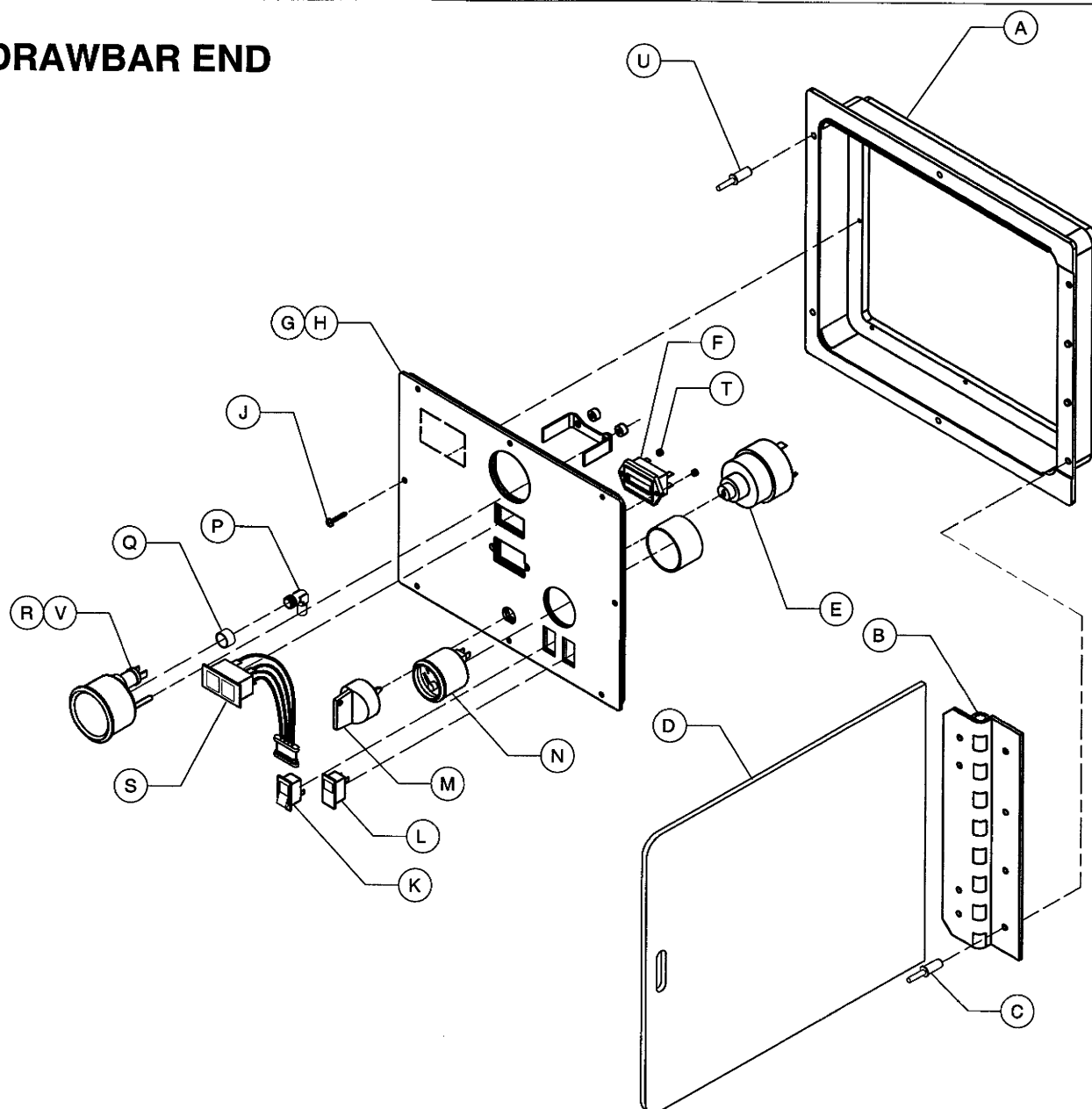
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	95923298	2	NUT, HEX LOCK 1/4-20	G	36844975	2	BATTERY, 12V
B	36853265	2	WASHER, PLASTIC 1/4	H	36860005	2	J-BOLT, 1/4-20
C	22128490	1	HOLD DOWN, BATTERY	J	36797652	12	SCREW, HEX M06-1.0 X 12
D	35199991	1	CABLE, JUMPER	K	36878064	2	TRAY, BATTERY
E	35583582	1	CABLE, POSITIVE BATTERY	L	22205488	1	BRACKET, BATTERY MOUNTING
F	35610856	1	CABLE, NEGATIVE BATTERY				

WEDGE CONTROLLER



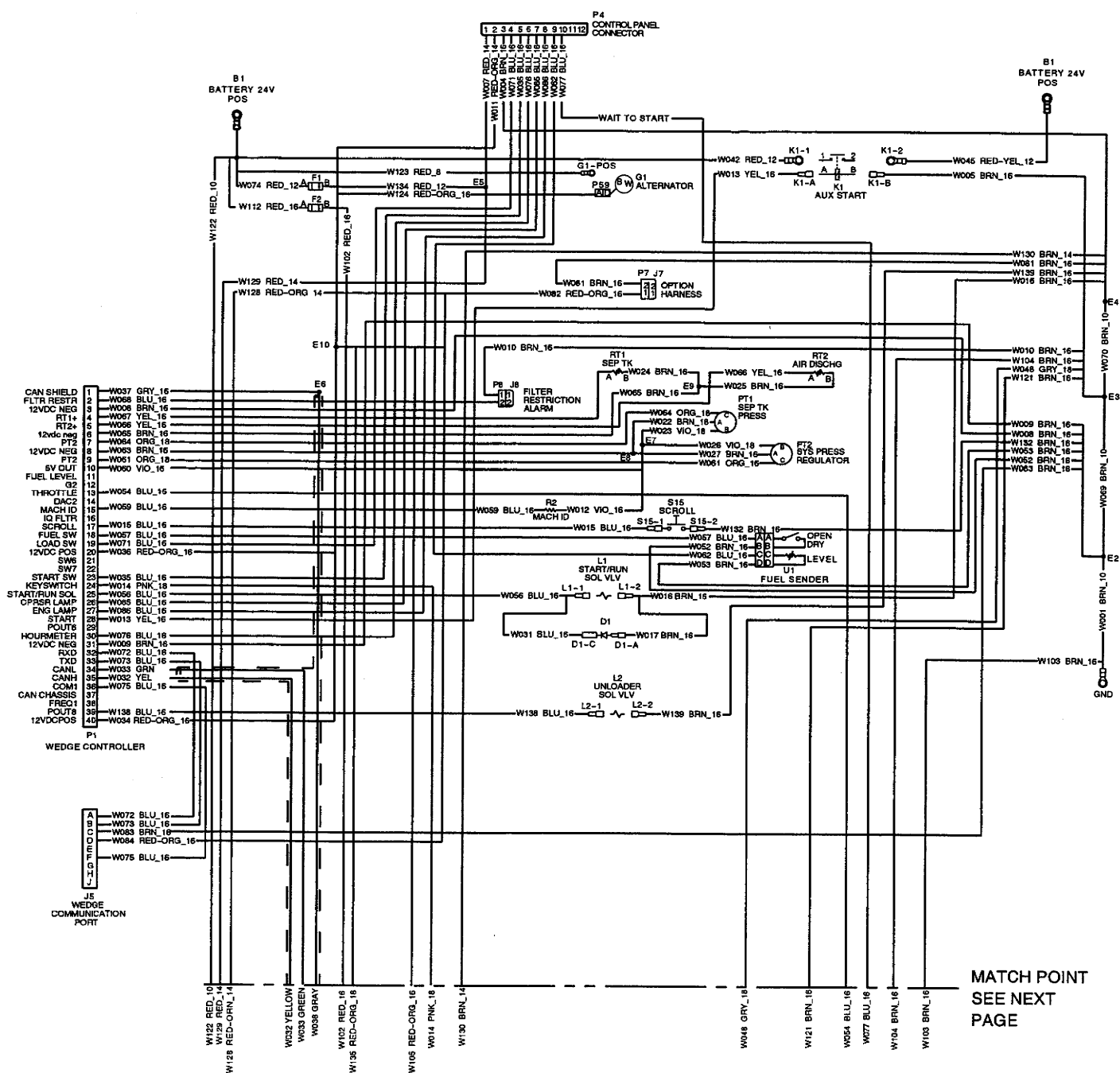
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	92368687	4	SCREW, TAPPING M06-1.0 X 12	F	54475777	1	SWITCH, ROCKER
B	36853521	2	RELAY, 100 AMP	G	35369446	4	SCREW, HEX M05-0.8 X 50
C	22197776	1	BRACKET, WEDGE MOUNTING	H	35279025	4	SCREW, TAPPING M08-1.25 X 20
D	35375807	4	NUT, HEX M05-0.8	J	22215354	1	DECAL, WEDGE
E	22173579	1	WEDGE MODULE				

DRAWBAR END



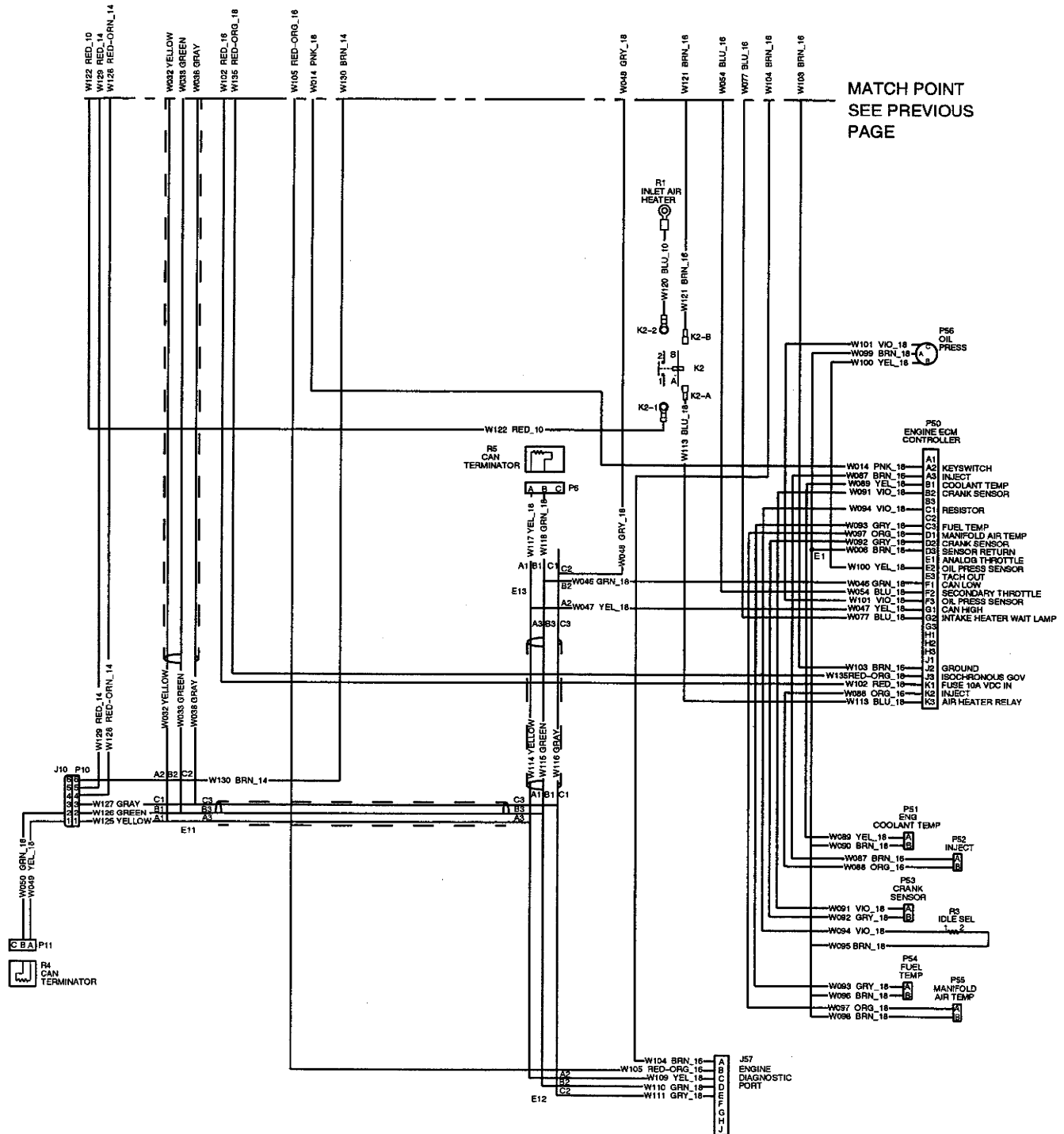
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54749601	1	FRAME, WW INST PANEL	M	22134118	1	KNOB, NON-REMOVABLE KEY
B	22107478	1	HINGE, SPRING CONT PNL	N	22050991	1	GAUGE, FUEL LEVEL
C	36877587	4	RIVET, .19 DIA	P	35370386	1	ELBOW, MALE 1/8 NPT X 3/8 TUBE
D	54743265	1	DOOR, CONTROL PANEL	Q	95935599	1	COUPLING, 18 NPT X 3/4
E	22117385	1	SWITCH, KEY	R	36891216	1	GAUGE, PRESSURE 250 PSI
F	22054175	1	HOURLMETER	S	22172423	1	MODULE, 2-LIGHT WARNING
G	22171680	1	PANEL, INSTRUMENT	T	22054159	2	NUT, 4-40 PLASTIC
H	22171698	1	DECAL, WW INST PANEL	U	36920486	4	RIVET, SS .19 DIA
J	22070494	8	SCREW, PLASTIC TAPPING	V	22137426	1	LAMP, 28V
K	22054076	1	SWITCH, ROCKER	W	22205223	1	HARNESS, INST PNL (NOT SHOWN)
L	22050553	1	LIGHT, WARNING				

WIRING DIAGRAM (cont'd)



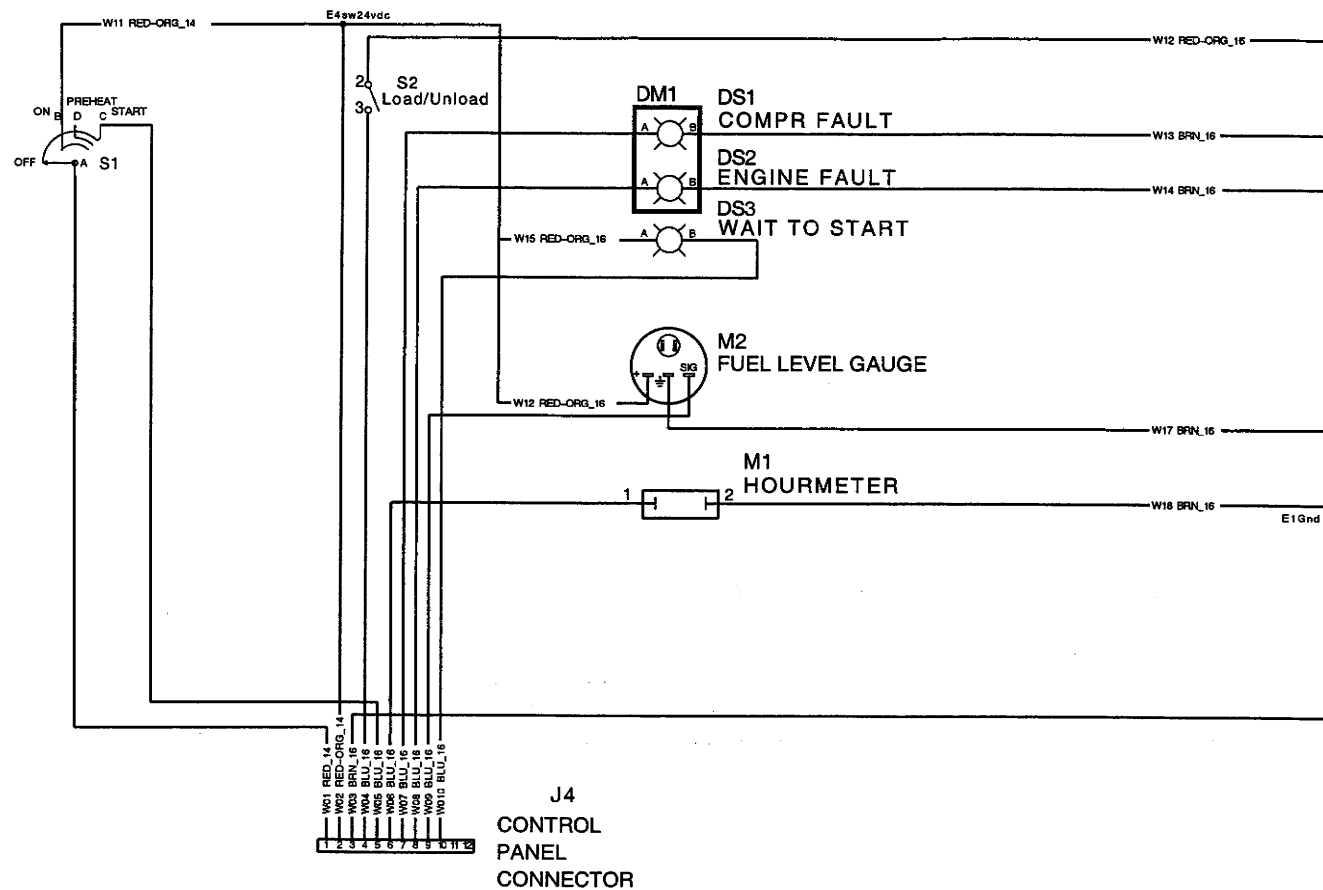
MATCH POINT
SEE NEXT
PAGE

Item	CPN	Description	Item	CPN	Description
B1	36844975	BATTERY, 12VDC	PT1	54765946	TRANSDUCER, 0-500 PSIG (SEP TK)
D1	35376169	DIODE	PT2	36920825	TRANSDUCER, 100 PSIG
F1	36792083	FUSE, 20A	R2	22201354	RESISTOR, MACHINE ID (45.3K OHM)
F2	36782456	FUSE, 10A	RT1	54764956	SWITCH, THERMAL (SEP TK)
G1	22206221	ALTERNATOR	RT2	54764964	SWITCH, THERMAL (DISCHARGE AIR)
K1	36853521	RELAY	S15	54475777	SWITCH, MOMENTARY ROCKER (SCROLL)
L1	36840841	VALVE, START/RUN SOLENOID	U1	54731427	SENDER, FUEL LEVEL
L2	36840841	VLV, UNLOADER SOL (P600, 7/170)	W2	22199061	HARNSS. ENGINE



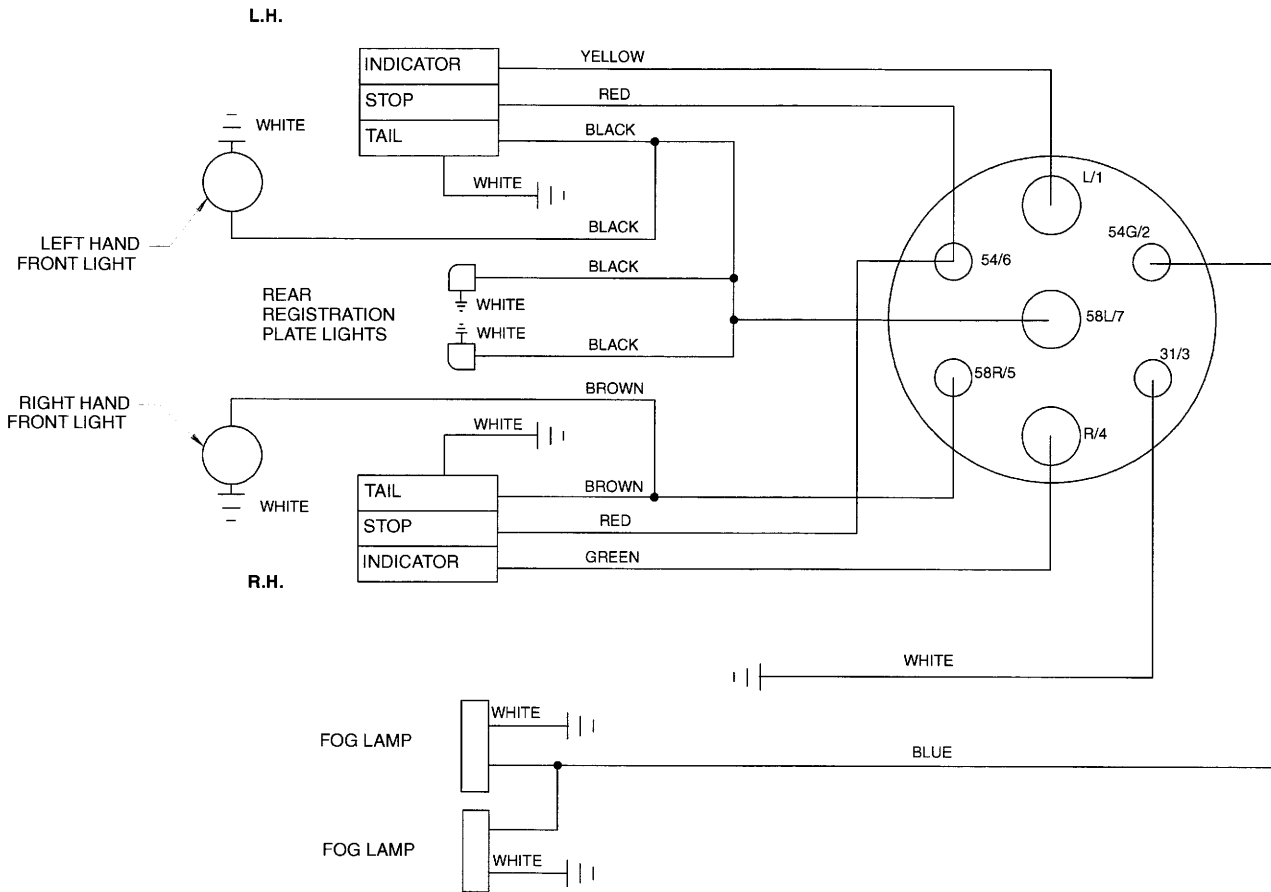
Item	CPN	Description
K2	36853521	RELAY
P51	22222590	SENSOR, COOLANT TEMP
P53	22222582	SENSOR, CRANK
P55	22222608	SENSOR, MANIFOLD AIR TEMP
P56	22222574	SENSOR, OIL PRESS
R1	22234678	HEATER, INLET AIR

PANEL SCHEMATIC



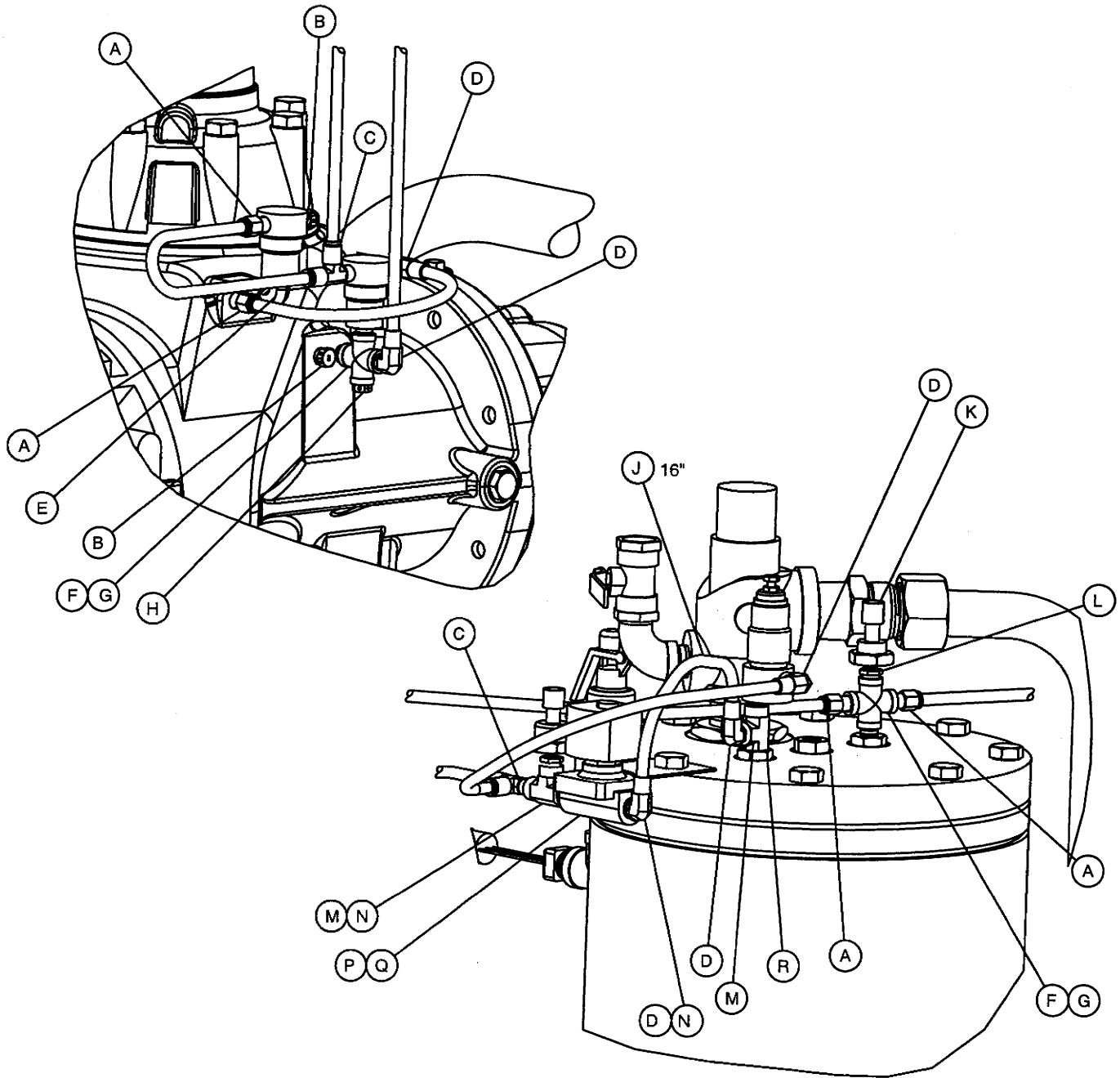
Item	CPN	Description
DM1	22172423	MODULE, 2-LIGHT WARNING
DS3	22050553	LIGHT, WARNING (WAIT TO START)
M1	22054175	HOURMETER
M2	22137426	GAUGE, FUEL LEVEL
S1	22127385	SWITCH, START
S2	22054076	SWITCH, ROCKER (LOAD/UNLOAD)
W1	22205223	HARNES, PANEL WIRING

ESA TAIL LIGHT WIRING DIAGRAM

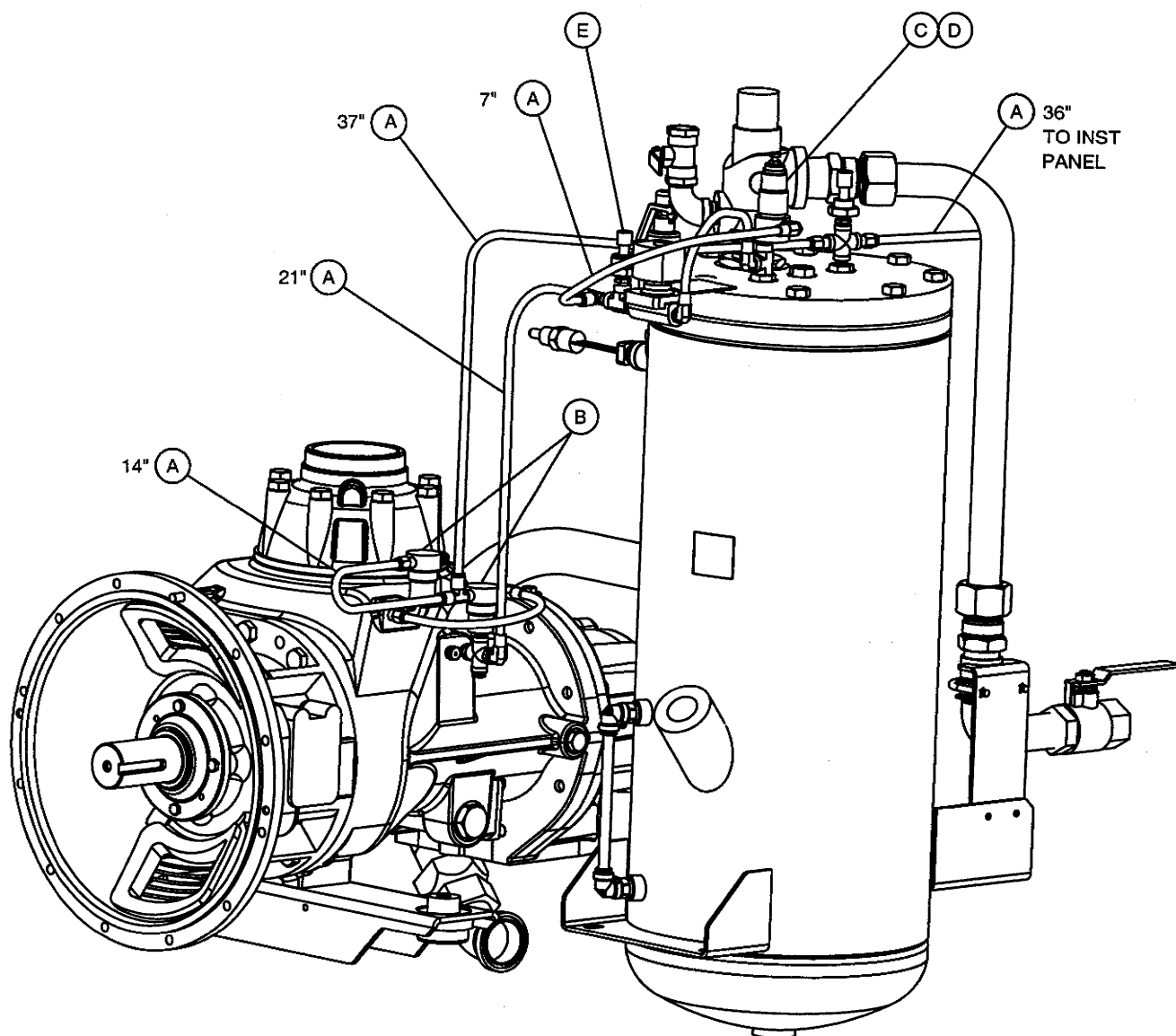


Item	CPN	Qty
BATT	36844264	1
REAR FOG LAMP	93477388	1
REGIS. PLATE	92901230	1
FRONT SIDE	9212250	2
TAIL / STOP / INDICATOR	92901222	2
HARNES, LIGHT	22173454	1

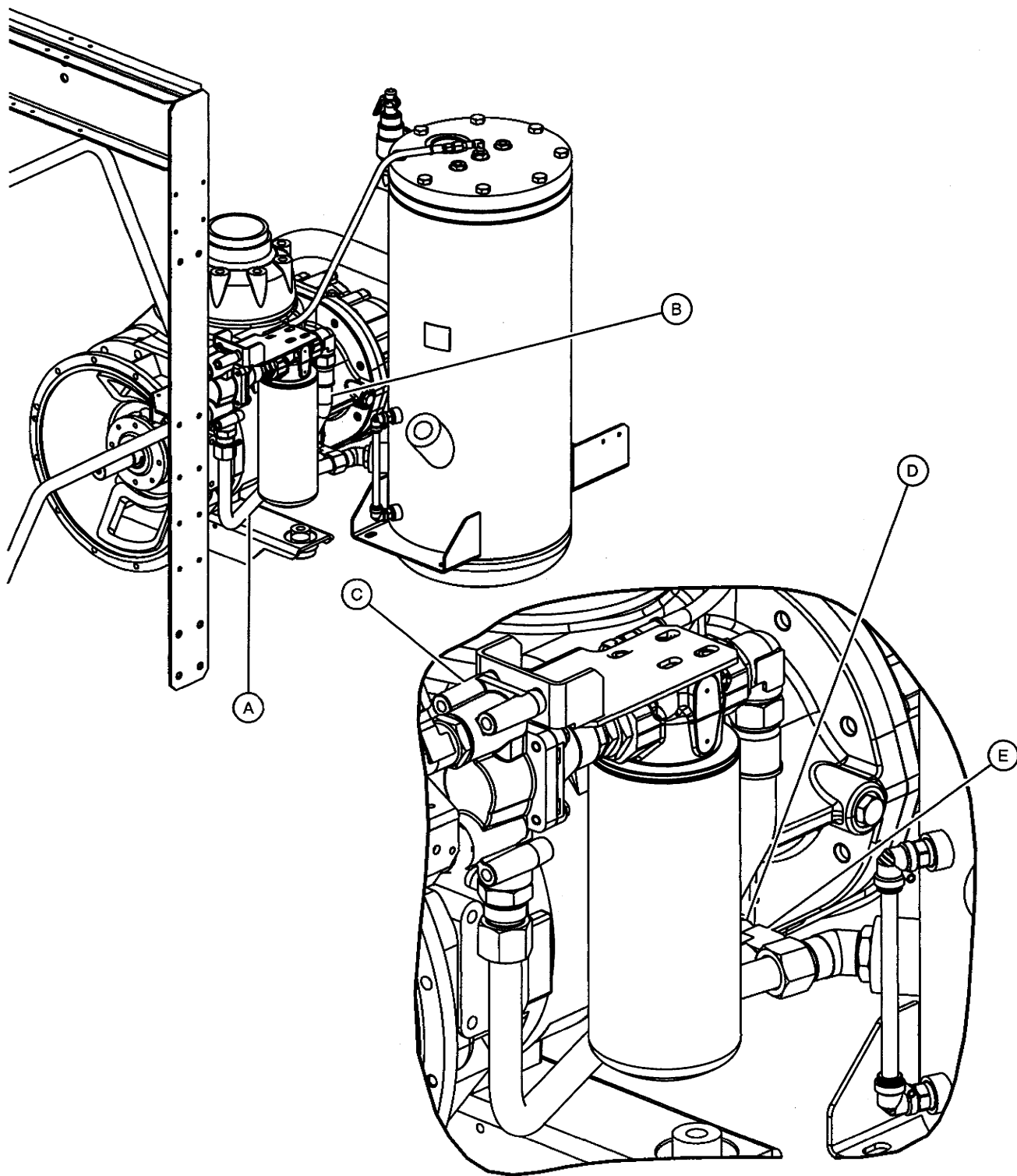
AIR PIPING (cont'd)



Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	35369354	4	CONN, MALE 1/4 NPT X 3/8 TUBE	J	35356484	*	TUBING, .38 OD SYN FLEX
B	36766756	2	ORIFICE, MUFFLER .140	K	54765946	1	TRANSDUCER, 0-500 PRESS
C	35369503	2	TEE, MALE RUN 1/4 NPT X 3/8 TUBE	L	95930301	1	BUSHING, RED .25 NPT X .12 NPT
D	35369354	5	ELBOW, MALE 1/4 NPT X 3/8 TUBE	M	35114545	2	TEE, STREET 1/4 NPT
E	95364469	1	ELBOW, .25 NPT X .25 NPT	N	95940748	2	BUSHING, REDC .38 NPT X .25 NPT
F	95954293	2	CROSS, .25 NPT	P	36840841	1	VALVE, SOLENOID 24V .375NPT
G	95944575	3	NIPPLE, CLOSE .25 NPT X .88	Q	36892669	1	BRACKET, SOLENOID VALVE
H	36766731	1	ORIFICE, MUFFLER .156	R	95773032	2	ADAPTER, .88-14 X .25 NPT FEMALE

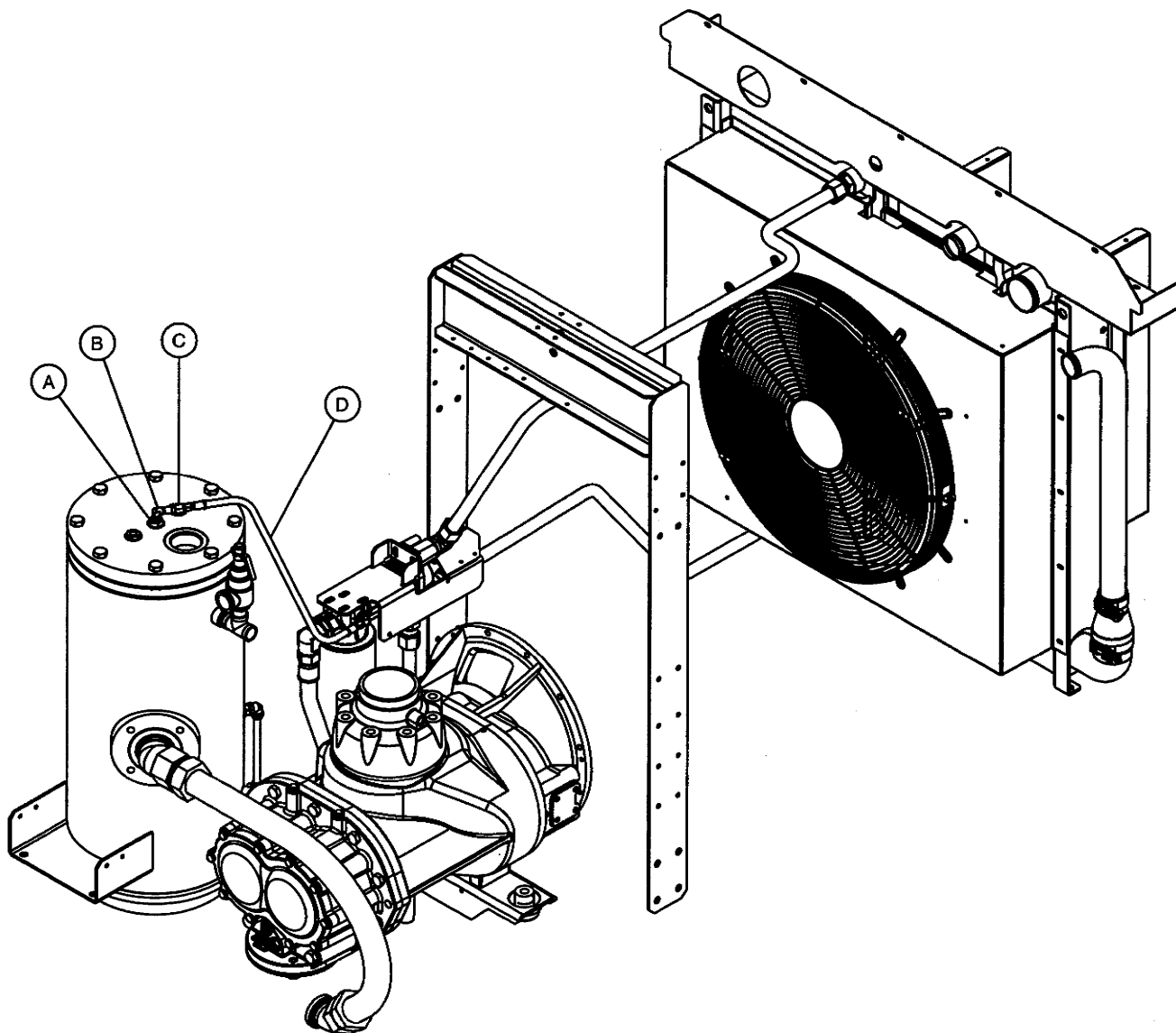


Item	CPN	Qty	Description
A	35356484	*	TUBING, 3/8" SYNFLEX
B	35322379	2	VALVE, BLOWDOWN
C	36854149	1	REGULATOR, PRESSURE 100 PSI (7/120, 9/110)
	36896892	1	REGULATOR, PRESSURE 200 PSI (10/105, 14/85)
D	95944575	1	NIPPLE, CLOSE 1/4" NPT X 7/8"
E	36920825	1	TRANSDUCER, PRESSURE 0-100 PSI
F	95930301	1	BUSHING, RED .25 NPT X .12 NPT



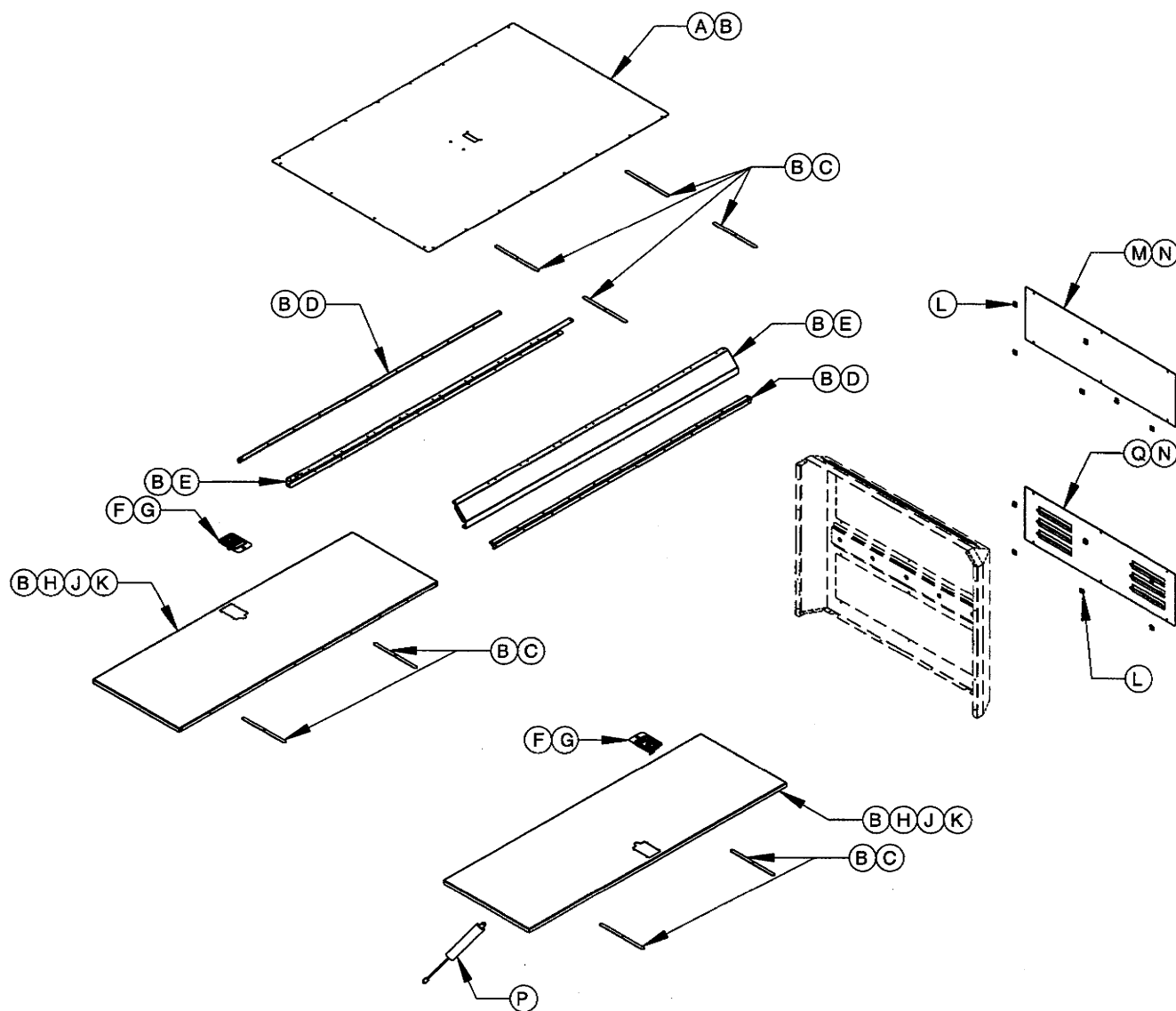
Item	CPN	Qty	Description
A	35227909	1	HOSE -16 JIC X 25"
B	36792000	1	HOSE -16 JIC X 17.75"
C	54414420	1	Assy, OTBV 1-5/16" SAE
D	95955993	1	CONN, 1.31-12 X 1.31-12
E	35292051	1	ELBOW, 90 SWIVEL NUT -16

DRAWBAR END



Item	CPN	Qty	Description
A	54721337	1	ADAPTOR, OIL SCAVENGE
B	95944666	1	ELBOW, STREET .25 NPT X 90
C	36840411	1	VALVE, CHECK .250 SPCR
D	35282920	1	HOSE, -4 JIC X 30"

DRAWBAR END

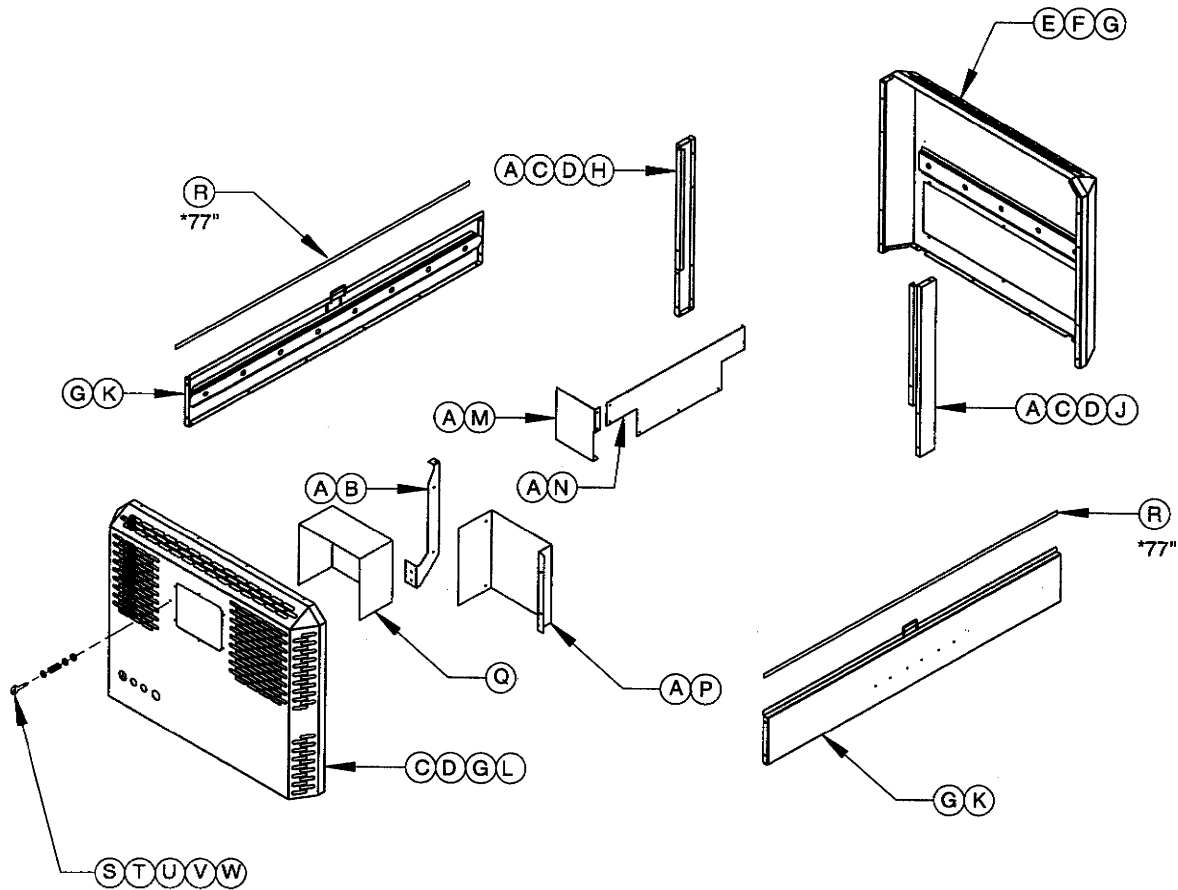


NOTE:

- * 1. Item M is for OND Noise Option ONLY.
- * 2. Item Q (qty 2) replaces item M on High Ambient Noise Option

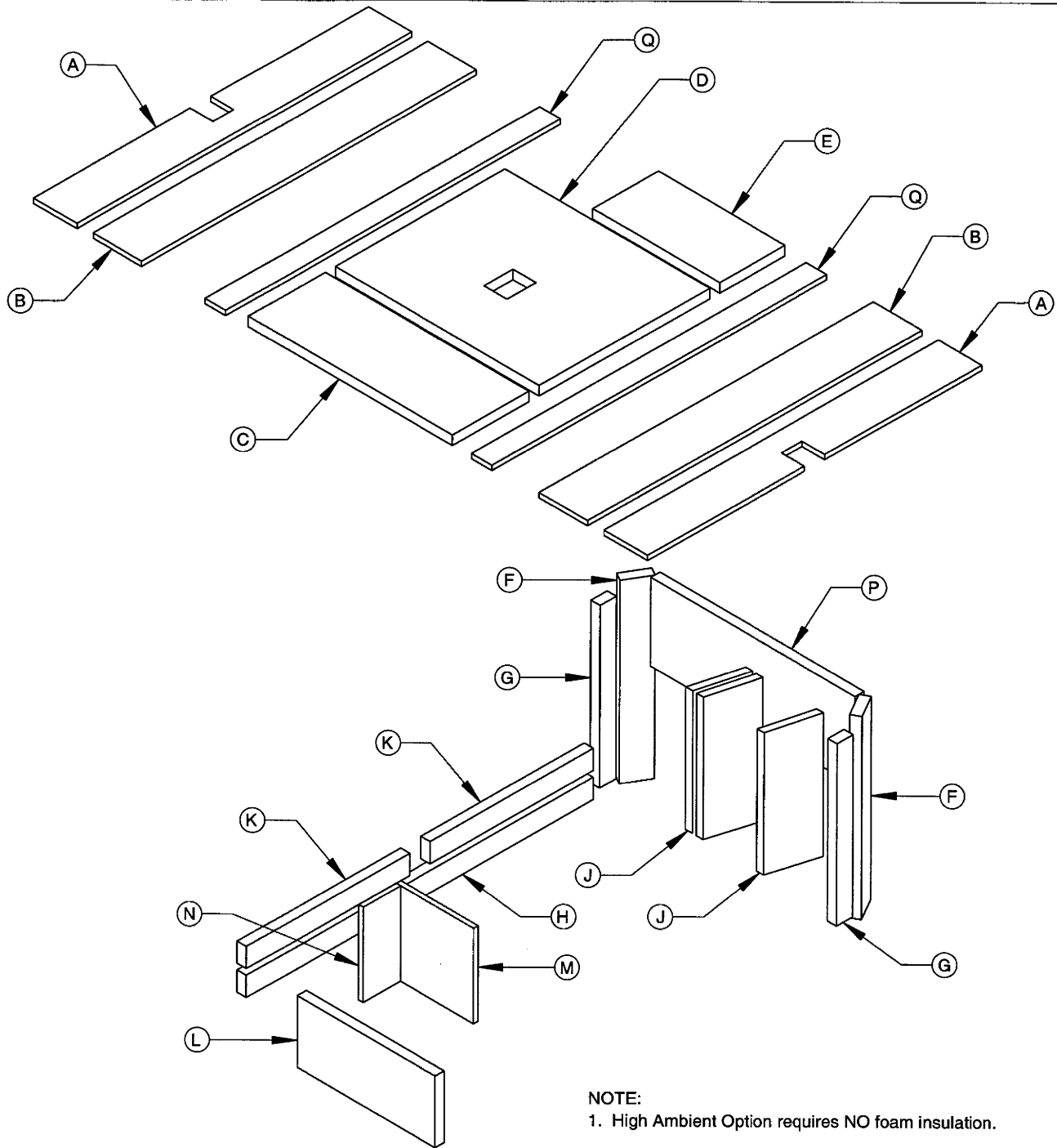
Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54743240	1	ROOF	J	35337328	4	STUD, BALL
B	36797652	101	SCREW, TAPPING M06-1.0 X 12	K	36881886	4	NUT, HEX FLANGE M08-1.25
C	54718184	8	STRAP, FOAM RETAINING	L	35256445	12	RETAINER, PUSHON 1/4 TURN
D	54639174	2	HINGE, SIDE DOOR	* M	54694831	1	PANEL, REAR ACCESS
E	54743273	2	RAIL, TOP	N	35256429	12	STUD, 1/4 TURN
F	36793602	2	LATCH, SLAM DOOR	P	35600261	4	SPRING, GAS
G	36794816	8	RIVET, 3/16	* Q	54760483	1	PANEL, REAR ACCESS
H	54743257	2	DOOR, SIDE				

DRAWBAR END



Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	36797652	101	SCREW, TAPPING M06-1.0 X 12	M	22203814	1	PANEL, SMALL TOOLBOX
B	54737622	1	BRACKET, FRONT INTAKE	N	54767223	1	PANEL, TOOLBOX
C	35337328	4	STUD, BALL	P	54720834	1	BAFFLE, FRONT INTAKE
D	36881886	4	NUT, HEX FLANGE M08-1.25	Q	22058325	1	COVER, REAR INST. PANEL
E	54688254	1	PANEL, REAR END CAP	R	22068373	*	SEAL, DOOR
F	35256452	12	RECEPTACLE, 1/4 TURN	S	35607829	1	EYEBOLT
G	35279025	28	SCREW, TAPPING M08-1.25 X 20	T	36772028	1	WASHER, NYLON
H	54756515	1	PANEL, RH SIDE	U	35607837	1	SPRING
J	54756523	1	PANEL, LH SIDE	V	95935029	1	WASHER, FLAT
K	22219554	2	PANEL, LOWER SIDE	W	95923298	1	NUT, 1/4-20 HEX LOCK
L	54686209	1	PANEL, FRONT END CAP				

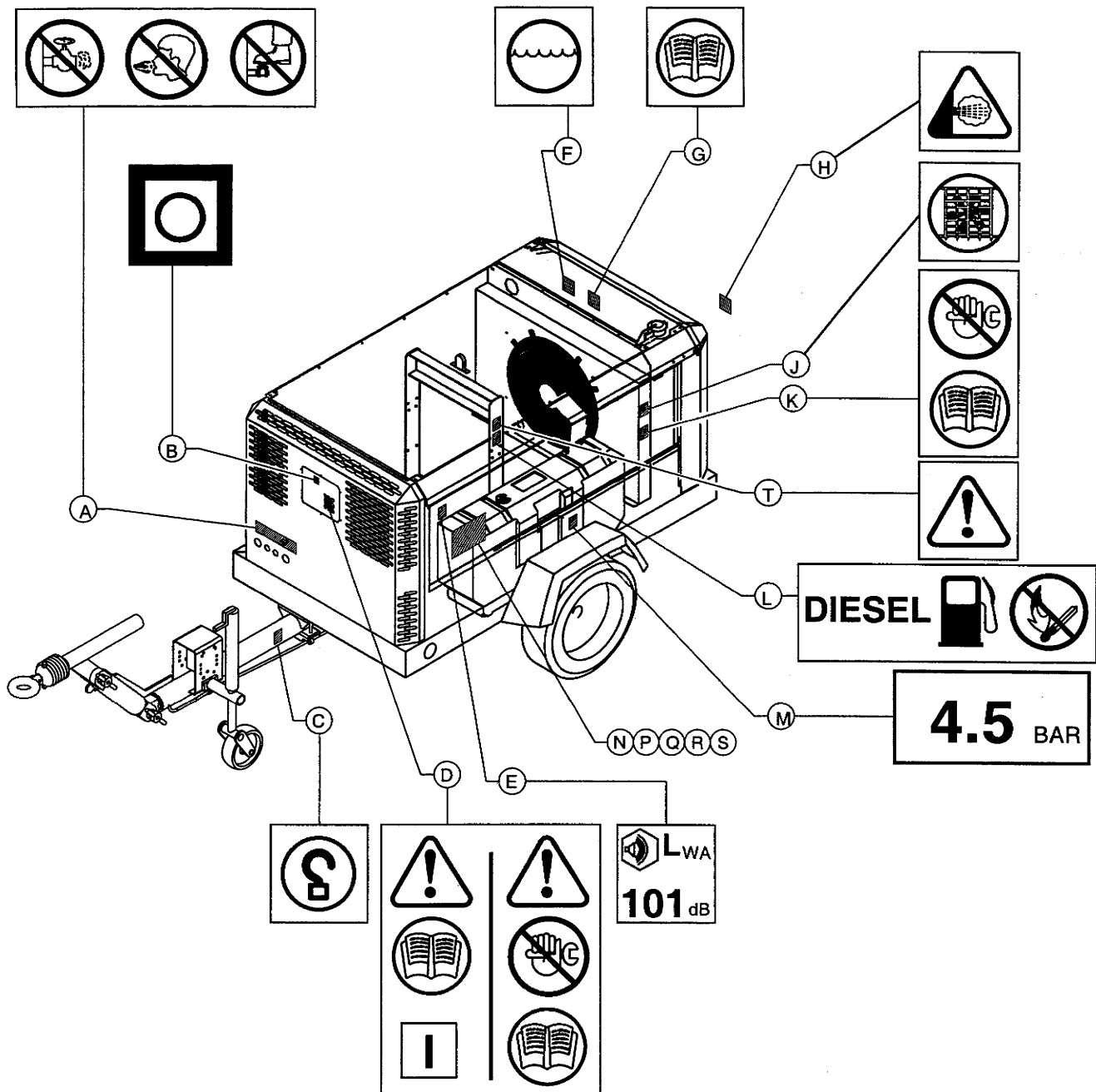
ESA OND FOAM INSULATION COMPLETE



NOTE:

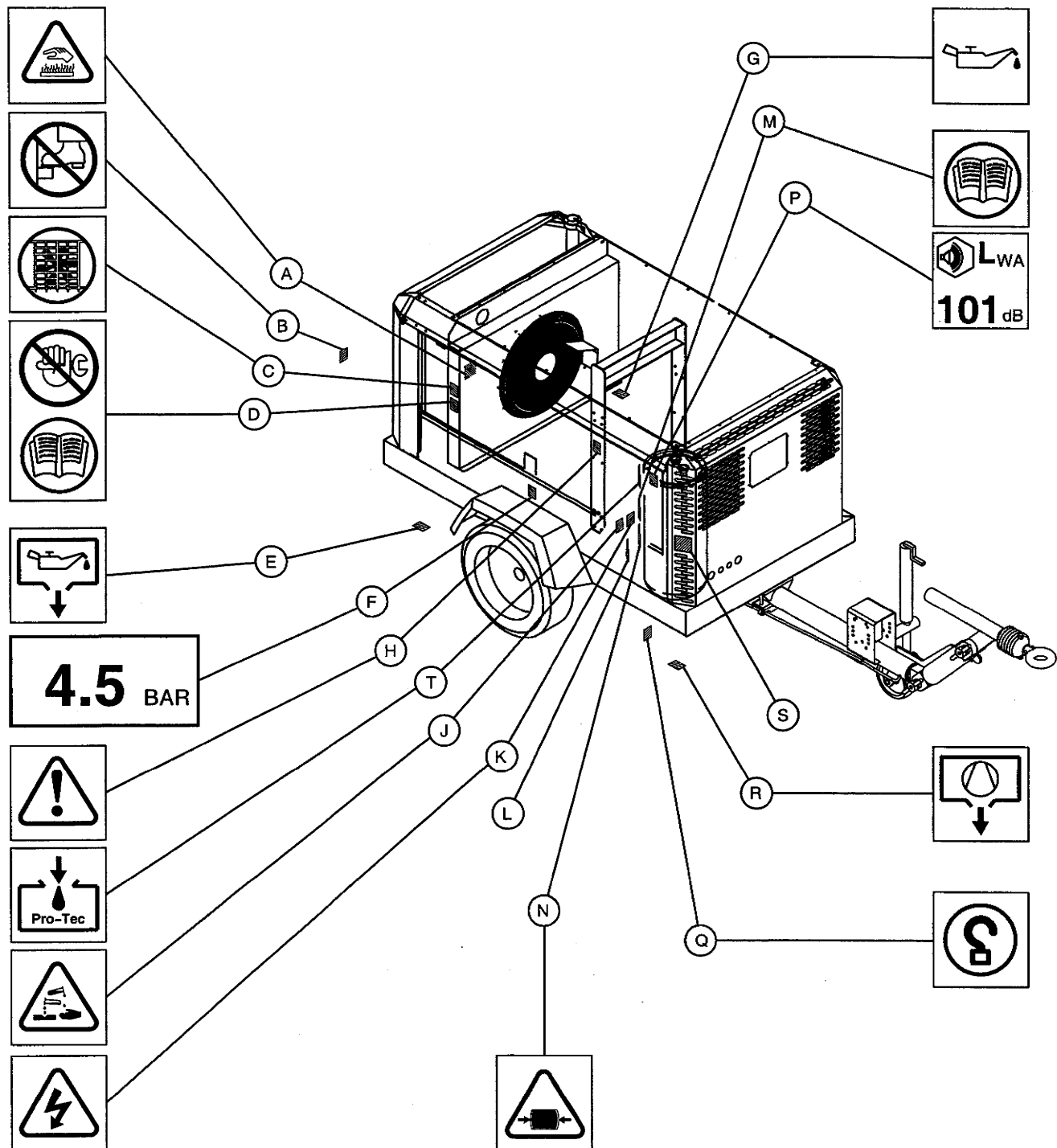
1. High Ambient Option requires NO foam insulation.

Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	54675020	2	PANEL, LOWER DOOR ACOUSTIC	J	54745518	3	PANEL, REAR SPLITTER ACOUSTIC
B	54675046	2	PANEL, UPPER DOOR ACOUSTIC	K	54770490	2	PANEL, TOP LWR SIDE ACOUSTIC
C	54675053	1	PANEL, FRONT ROOF ACOUSTIC	L	54674916	1	PANEL, FRONT END CAP ACOUSTIC
D	54675079	1	PANEL, MIDDLE ROOF ACOUSTIC	M	54744826	1	PANEL, INTR BAFFLE FRONT ACOUSTIC
E	54675061	1	PANEL, REAR ROOF ACOUSTIC	N	54744818	1	PANEL, INTR BAFFLE SIDE ACOUSTIC
F	54674973	2	PANEL, REAR CORNER ACOUSTIC	P	54674957	1	PANEL, REAR TOP ACCESS ACOUSTIC
G	54746516	2	PANEL, REAR SIDE ACOUSTIC	Q	22272323	2	PANEL, TOP RAIL ACOUSTIC
H	54770524	1	PANEL, LWR SIDE ACOUSTIC				



Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	93465383	1	DECAL, SERVICE VALVE	K	92930668	1	DECAL, NO MAINTENANCE
B	92930650	1	DECAL, EMERGENCY STOP	L	93171254	1	DECAL, DIESEL FUEL
C	93171262	1	DECAL, LIFT/TIE DOWN POINT	M	93178267	1	DECAL, TYRE PRESSURE
D	88115498	1	DECAL, PRE-START	N	22233597	1	LAMINATE, P425AWJD STD WIRING
E	54727771	1	DECAL, SOUND POWER	P	22251730	1	LAMINATE, DIAGNOSTIC CODES
F	93171288	1	DECAL, COOLANT FILL	Q	22068282	2	SCREW
G	92867449	1	DECAL, REFER TO MANUAL	R	22255335	1	LAMINATE, TRAILER WIRING
H	92976042	1	DECAL, EXHAUST GAS	S	36788982	1	BINDER, 3-RING
J	93165959	1	DECAL, ROTATING FAN	T	929306271	1	DECAL, WARNING

ESA DECAL LOCATION (cont'd)



Item	CPN	Qty	Description	Item	CPN	Qty	Description
A	92867530	1	DECAL, HOT SURFACE	L	93190486	1	DECAL, COOLANT LEVEL
B	93194413	1	DECAL, NO STEP	M	92867449	1	DECAL, REFER TO MANUAL
C	93165959	1	DECAL, ROTATING FAN	N	92930585	1	DECAL, PRESSURIZED TANK
D	92930668	1	DECAL, NO MAINTENANCE	P	54727771	1	DECAL, SOUND POWER
E	93171239	1	DECAL, ENGINE OIL DRAIN	Q	93171262	2	DECAL, LIFT/TIE DOWN POINT
F	93178267	1	DECAL, TYRE PRESSURE	R	93171247	1	DECAL, COMPRESSOR DRAIN
G	93171270	1	DECAL, OIL FILL	S	89260699	1	PLATE, DATA (NON-EC CERTIFIED)
H	92930627	1	DECAL, WARNING		54616701	1	PLATE, DATA (EC CERTIFIED)
J	92930601	1	DECAL, CORROSIVE SUBSTANCE	T	89298491	1	DECAL, LUBRICANT
K	92930593	1	DECAL, ELECTRIC SHOCK				