



Ingersoll-Rand Utility Equipment

PARTS MANUAL

COMPRESSOR MODELS

HP675WCU

XP825WCU

HP750WCU

XP750WCU

Code:

Code: D

Ingersoll-Rand®

Utility Equipment
P.O. Box 868 - 501 Sanford Ave
Mocksville, N.C. 27028
www.portablepower.irco.com

Doosan purchased Bobcat Company from Ingersoll-Rand Company in 2007. Any reference to Ingersoll-Rand Company or use of trademarks, service marks, logos, or other proprietary identifying marks belonging to Ingersoll-Rand Company in this manual is historical or nominative in nature, and is not meant to suggest a current affiliation between Ingersoll-Rand Company and Doosan Company or the products of either.

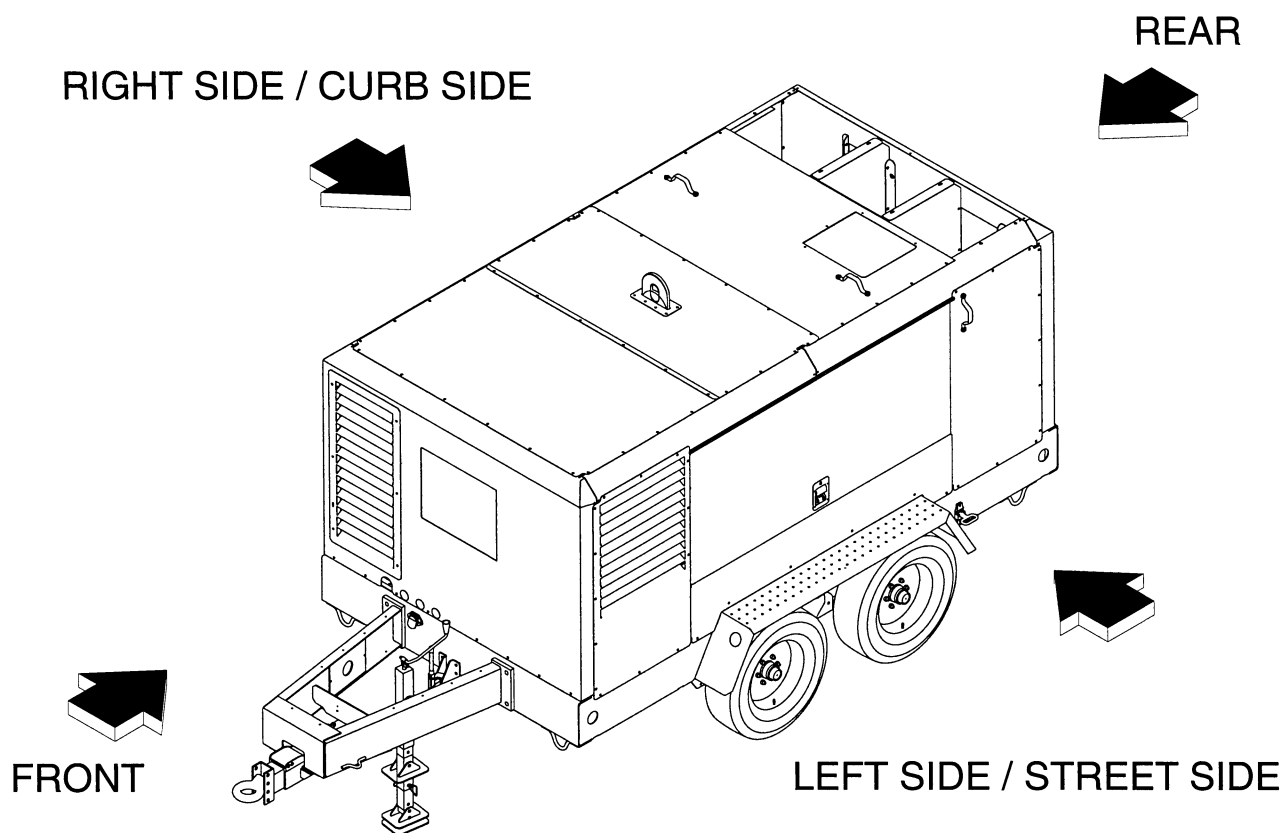
INDEX

GENERAL ARRANGEMENT
HIGH SPEED RUNNING GEAR FRAME ASSEMBLY
HIGH SPEED RUNNING GEAR BELLY PANS
DRAWBAR JACK ASSEMBLY
BRAKE ACTUATOR ASSEMBLY
HYDRAULIC BRAKE PIPING
PARKING BRAKE ASSEMBLY
HIGH SPEED RUNNING GEAR
ELECTRIC AND HYDRAULIC BRAKES (INTERNAL PARTS)
RUNNING LIGHT ASSEMBLY
STEERABLE FRAME AND BELLY PANS
STEERABLE RUNNING GEAR
ENGINE COMPLETE
REGULATION SYSTEM
ETHER COLD START KIT
EXHAUST COMPLETE
AIR END COMPLETE
AIR END ASSEMBLY
UNLOADER ASSEMBLY
RADIATOR AND COOLER MOUNTING
RADIATOR AND COOLERS PIPING
FUEL TANK ASSEMBLY
FUEL TANK PIPING
AIR INTAKE COMPLETE
SEPARATOR TANK ASSEMBLY
SEPARATOR TANK PIPING
MINIMUM PRESSURE CHECK VALVE ASSEMBLY
SERVICE PIPING (ONE 2" NPT VALVE)
AIR PIPING DIAGRAM
OIL PIPING DIAGRAM
COMPRESSOR OIL FILTER
INSTRUMENT / CONTROL PANEL ASSEMBLY
INSTRUMENT / CONTROL PANEL
INSTRUMENT PANEL DOOR ASSEMBLY
BATTERY AND MOUNTING
ENCLOSURE (EXTERNAL)
ENCLOSURE BAFFLES
ACOUSTIC FOAM
DECAL LOCATION
WIRING DIAGRAM
ELECTRICAL PARTS LIST

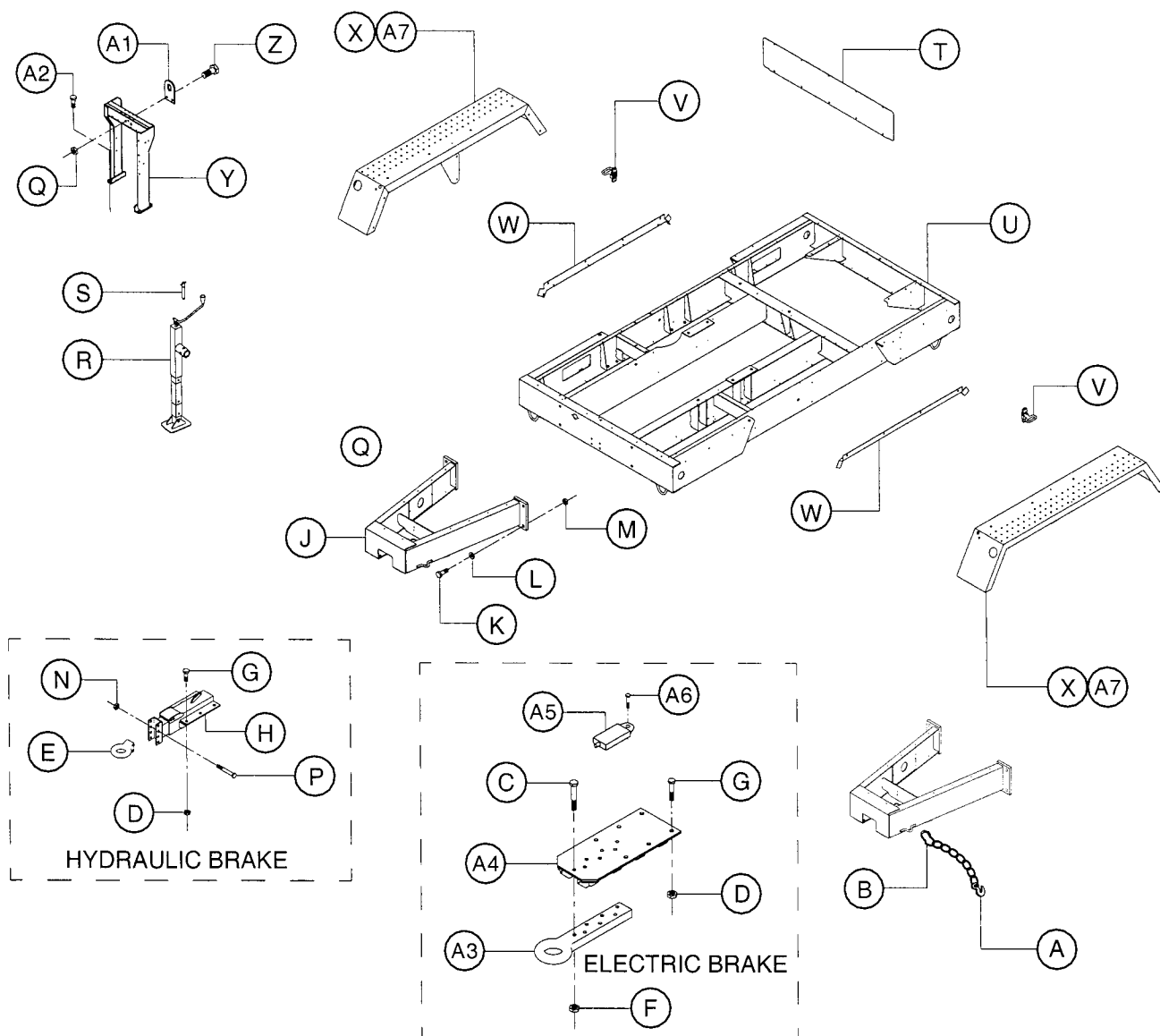
OPTIONS

STARTING AID (AC KIT)
SERVICE AND MANIFOLD PIPING
IQ PIPING AND COOLER
AFTER COOLER PIPING
CENTRAL DRAINS
SECURABLE LIFT EYE

GENERAL ARRANGEMENT

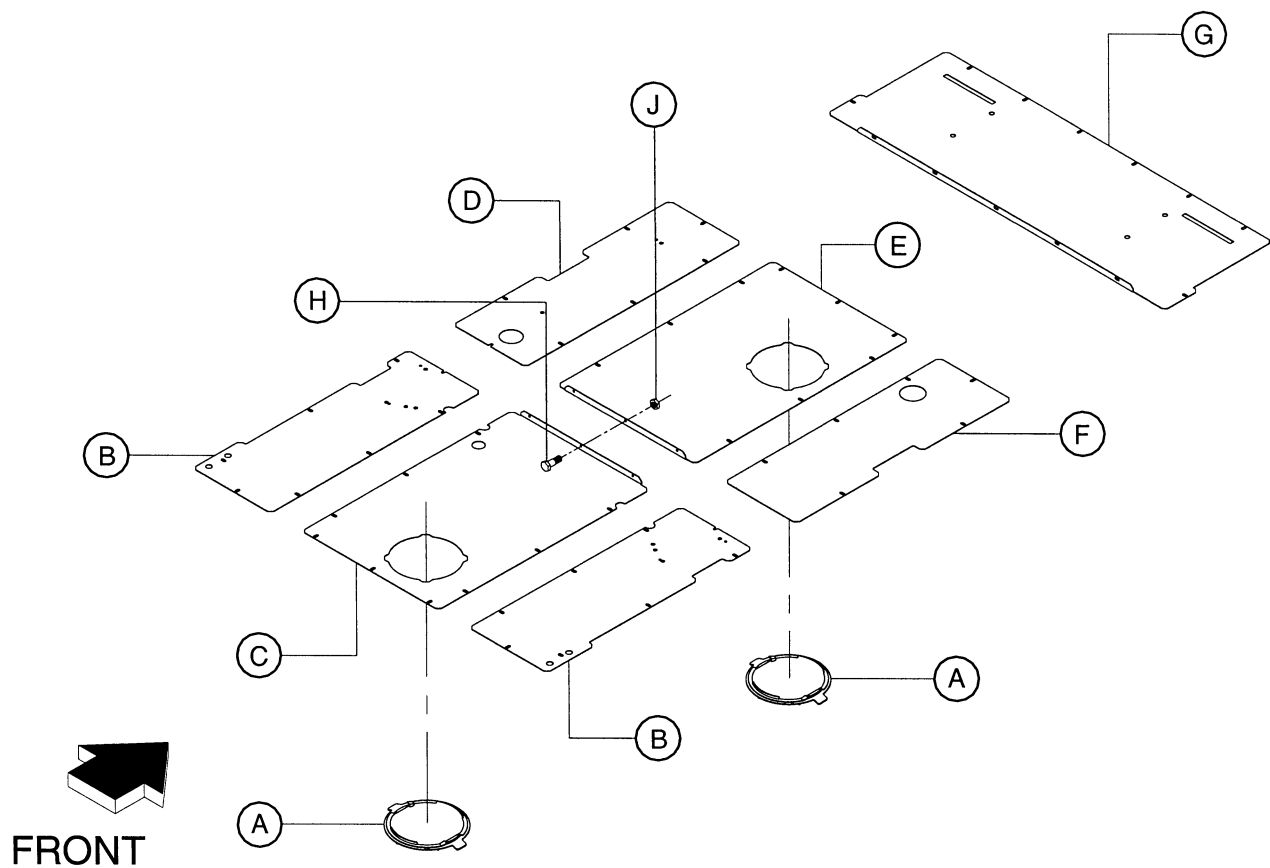


HSRG FRAME ASSEMBLY



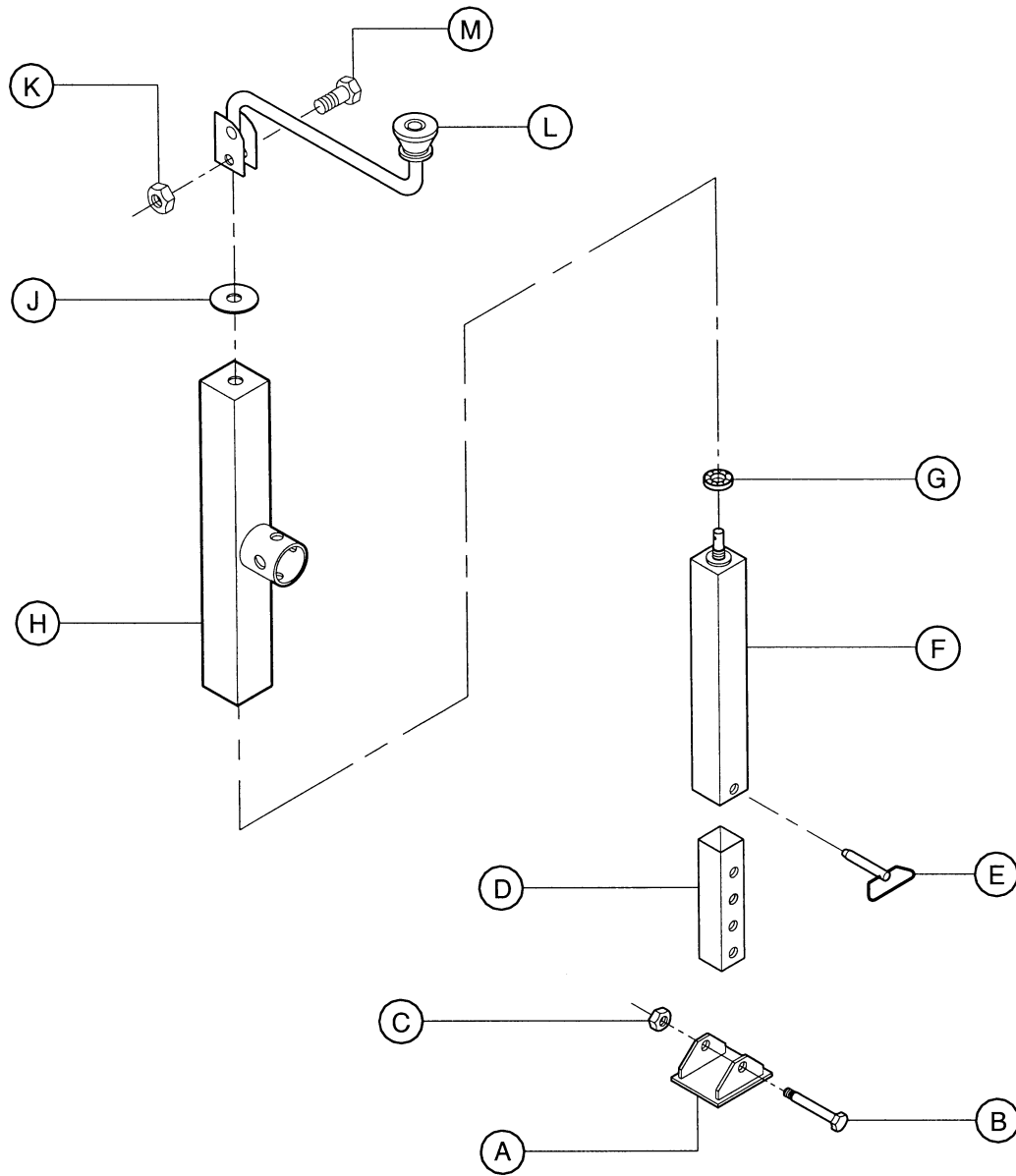
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35604636	2	CHAIN ASSEMBLY	S	35609544	1	PIN
B	35369800	2	COUPLING , CHAIN	T	22231732	1	BELLYPAN , DISCHARGE
C	95934170	7	SCREW	U	22157556	1	FRAME , HSRG
D	35356526	6	NUT	V	35369313	2	STEP
E	35605187	1	EYE , PINTLE	W	22199582	2	BRACKET , FENDER
F	35374453	7	NUT	X	22193718	2	FENDER
G	35272558	6	SCREW	Y	22159859	1	BAIL , LIFTING
H	36734879	1	ACTUATOR , BRAKE	Z	36763670	2	SCREW
J	22247191	1	DRAWBAR	A1	22182307	1	PLATE , LIFTING
K	35375963	4	SCREW	A2	96700901	4	SCREW
L	95935011	4	WASHER	A3	35327840	1	EYE , PINTLE
M	35297340	4	NUT	A4	36742880	1	BRACKET , PINTLE EYE
N	96701750	4	NUT	A5	35315944	1	SWITCH , BREAK-AWAY
P	35376094	2	SCREW	A6	36797652	1	SCREW
Q	96702741	2	NUT	A7	22193734	2	FENDER , GALVANEAL
R	36870111	1	JACK , DRAWBAR				

HSRG BELLY PANS



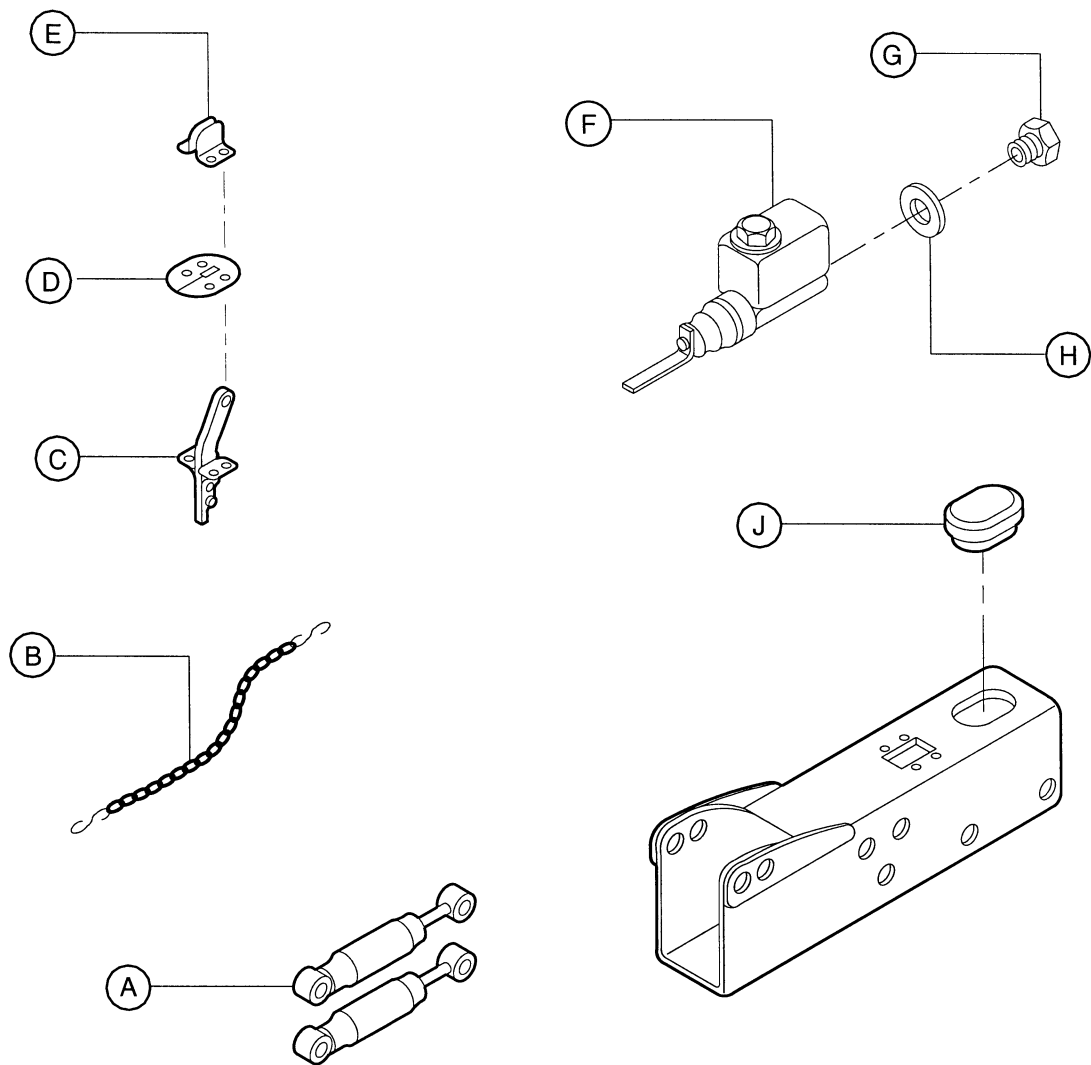
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	36880623	2	COVER , ACCESS				
B	22231674	2	BELLYPAN , FRONT OUTSIDE				
C	22231641	1	BELLYPAN , AIR END				
D	22231682	1	BELLYPAN , RIGHT MIDDLE				
E	22231633	1	BELLYPAN , ENGINE				
F	22231690	1	BELLYPAN , LEFT MIDDLE				
G	22231724	1	BELLYPAN , REAR DISCHARGE				
	35279025	—	SCREW				
	36895746	—	NUTSERT				
H	36889608	3	SCREW				
J	36881886	3	NUT				

DRAWBAR JACK ASSEMBLY



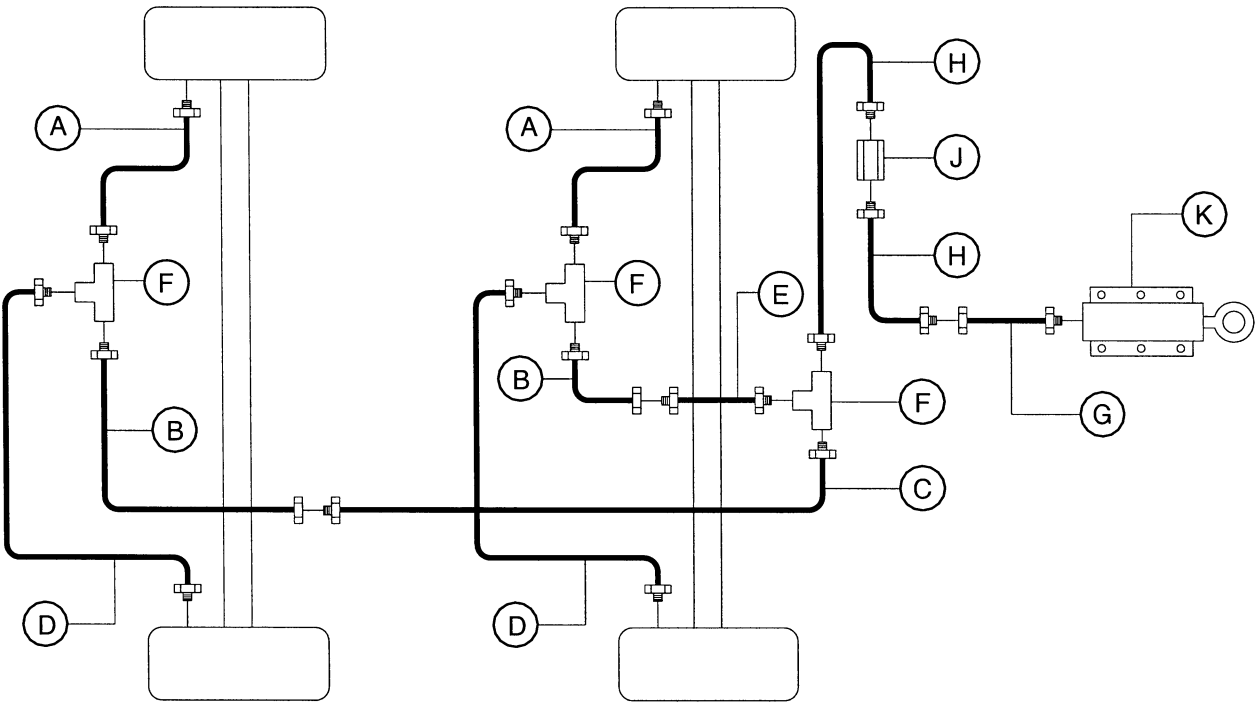
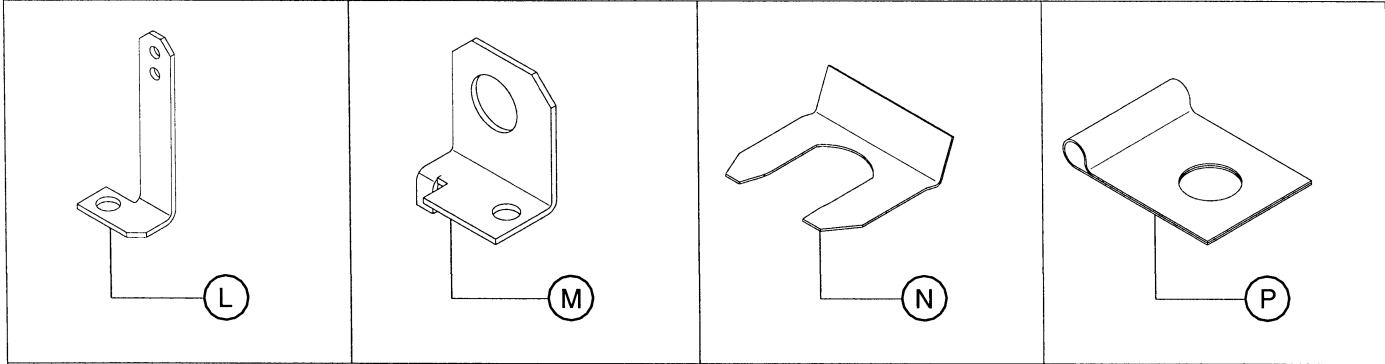
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	36870145	1	BASE , JACK				
B	95954087	1	BOLT				
C	35336700	1	NUT , LOCK				
D	36870087	1	DROP LEG AND SLEEVE				
E	36870095	1	PIN , PULL				
	36870103	1	CLIP				
F	36870053	1	TUBE , INNER				
G	36870079	1	BEARING , THRUST				
H	36870129	1	TUBE , OUTER				
J	95935011	1	WASHER				
K	95923314	1	NUT , LOCK				
L	36870061	1	CRANK ASSEMBLY				
M	95935235	1	BOLT				
—	36870111	1	DRAWBAR JACK ASSEMBLY				

BRAKE ACTUATOR ASSEMBLY



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35373026	2	DAMPER				
B	35373083	2	S-HOOK				
	35373091	1	CHAIN				
C	35373042	1	LEVER ASSEMBLY				
D	35373059	1	SEAL , WEATHER				
E	35373067	1	LOCK , RIGHT				
	35373075	1	LOCK , LEFT				
F	35373117	1	CYLINDER , MASTER				
	35376433	1	KIT , CYLINDER REPAIR				
G	35373109	1	CONNECTOR				
H	35373125	1	GASKET				
J	35373034	1	COVER				

HYDRAULIC BRAKE PIPING



(THIS VIEW IS LOOKING DOWN FROM TOP OF UNIT)

ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	36867281	2	TUBE ASSEMBLY	M	35356310	3	BRACKET , HOSE
B	35356377	2	HOSE ASSEMBLY	N	35356302	3	CLIP , HOSE
C	36894699	1	TUBE ASSEMBLY	P	37001252	3	CLAMP , TUBE
D	36867489	2	TUBE ASSEMBLY				
E	36867273	1	TUBE ASSEMBLY				
F	35356328	3	TEE				
G	35356369	1	HOSE ASSEMBLY				
H	35356401	2	TUBE ASSEMBLY				
J	35356336	1	UNION				
K	36734879	1	HYDRAULIC BRAKE ACTUATOR				
L	22262323	2	BRACKET , TEE				
	95935102	2	NUT (1/2")				
	36898096	2	SCREW (6MM)				
	36898104	2	NUT (6MM)				

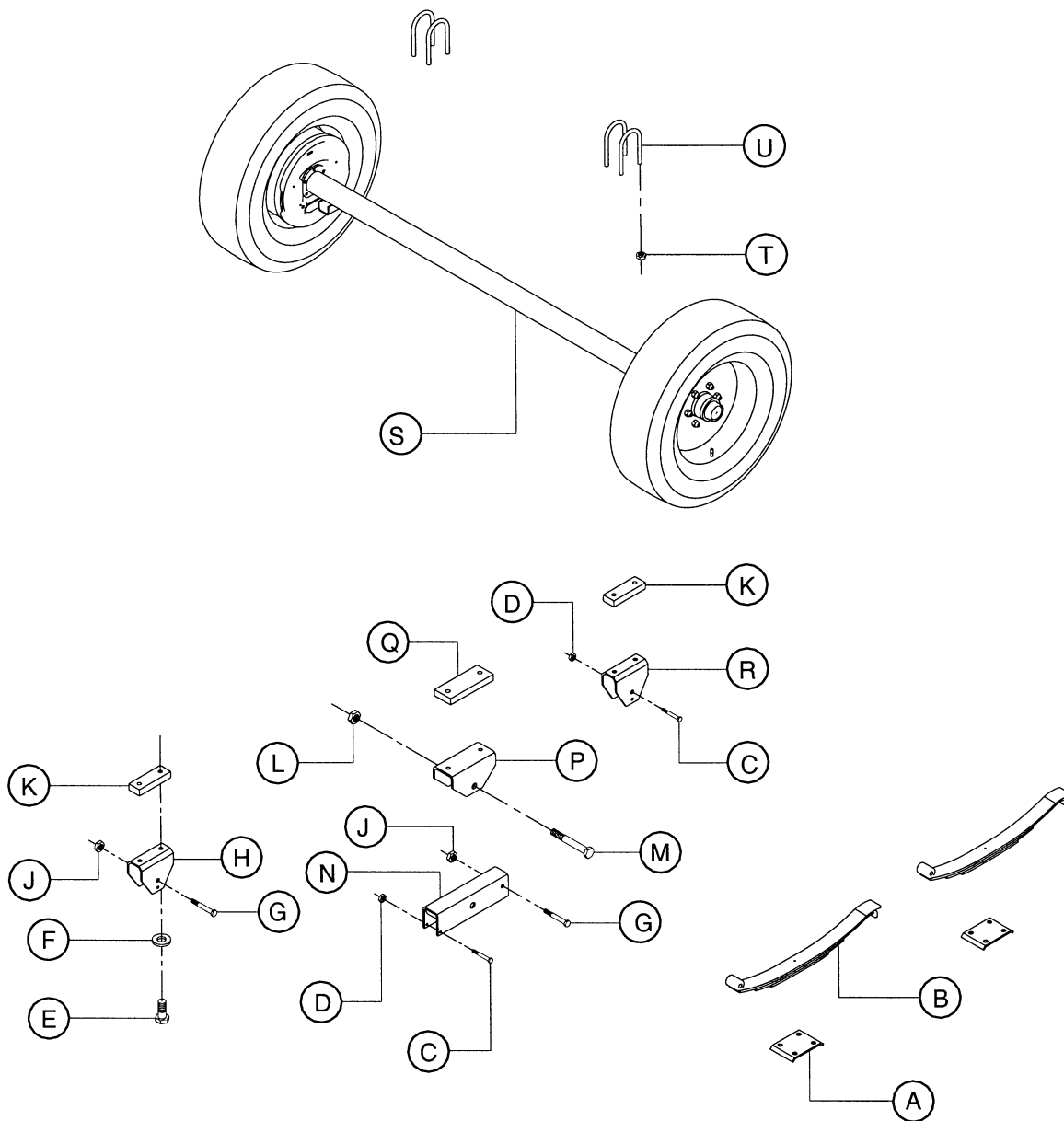
The diagram is an exploded view of a mechanical assembly. It features a central lever assembly (Q, R, S, T, U, V, W) connected to a bracket (H) and a cable (J). Other components include a nut (B), a spacer (C), a bracket (D), a washer (E), a pin (F), a nut (G), a bracket (H), a clevis (P), a lever (Q), a bracket (R), a screw (S), a cable (T), a clamp (U), a spacer (V), and a screw (W).

ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	96702311	4	SCREW				
B	36879195	2	NUT				
C	35603224	2	SPACER				
D	36847440	1	BRACKET , LEFT				
E	95934998	4	WASHER				
F	95928867	4	PIN , COTTER				
G	96701743	4	NUT				
H	35602846	1	BRACKET				
J	FURNISHED WITH CABLE						
K	95935086	1	NUT				
L	35357151	4	PIN				
M	35603182	1	ROD , LINK				
N	35118728	1	NUT				
P	35603208	1	CLEVIS				
Q	35857382	1	LEVER				
R	36847432	1	BRACKET , RIGHT				
S	35376946	2	SCREW				
T	36880698	2	CABLE (ELECTRIC BRAKES)				
	35857408	2	CABLE (HYDRAULIC BRAKES)				
U	35602895	2	CLAMP				
V	25602903	2	SPACER				
W	35279025	4	SCREW				

MANUAL NO. — DRAWING NO. DATE / REV.
22330252 3D 11/03 A

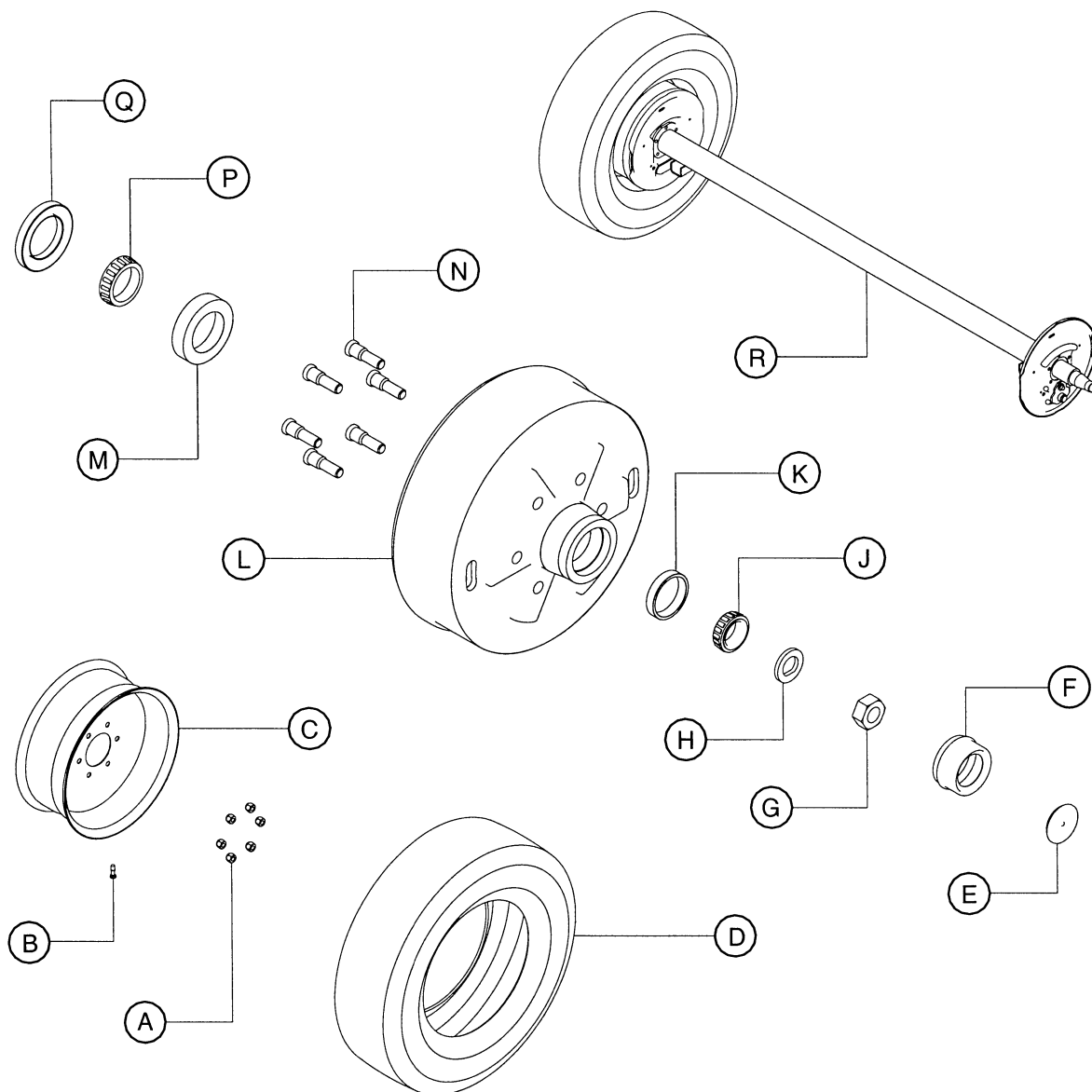
MANUAL NO.—DRAWING NO. DATE / REV:
22330252 3D 11/03 A

HIGH SPEED RUNNING GEAR



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35315241	4	PLATE , TIE	M	36784874	2	SCREW
B	35315126	4	SPRING	N	35356930	2	EQUALIZER
C	35315365	4	SCREW	P	36895225	2	HANGER , CENTER
D	35315373	4	NUT	Q	22278196	2	SPACER , CENTER
E	96739958	12	SCREW	R	35326966	2	HANGER , REAR
F	95935003	12	WASHER	S	22193015	2	AXLE WITH ELEC. BRAKE
G	35315340	4	SCREW		22161343	1	AXLE HYDRAULIC FRONT
H	35326958	2	HANGER , FRONT		22161350	1	AXLE HYDRAULIC REAR
J	35315357	4	NUT	T	35315258	16	NUT
K	22278212	4	SPACER	U	35316959	8	U-BOLT
L	36784882	2	NUT	-	36875508	1	ELEC. BRAKE HARNESS

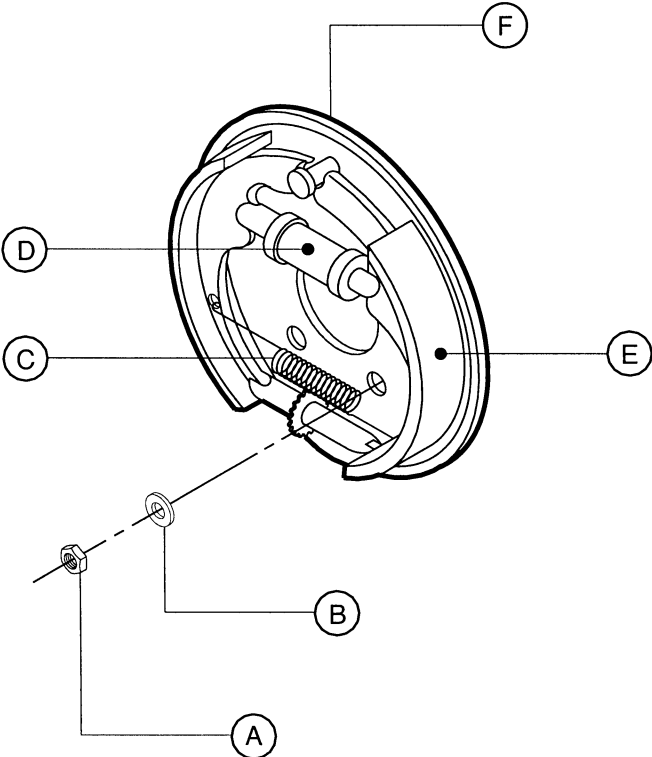
HIGH SPEED RUNNING GEAR



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35315274	24	NUT , LUG	L	35390459	4	DRUM , BRAKE
B	35282565	4	STEM , VALVE	M	35316884	4	RACE , BEARING
C	35318757	4	WHEEL	N	35361898	24	STUD , HUB
D	22253041	4	TIRE	P	35316876	4	BEARING , INNER WHEEL
E	35379387	4	COVER , RUBBER	Q	35316868	4	SEAL , HUB
F	35379395	4	COVER , BEARING	R	22346126	2	BEAM , AXLE
G	35315217	4	NUT				
H	35315209	4	WASHER				
J	35318849	4	BEARING , OUTER WHEEL				
K	35318831	4	RACE , BEARING				

HYDRAULIC BRAKES (WITH PARK BRAKE – FRONT AXLE)

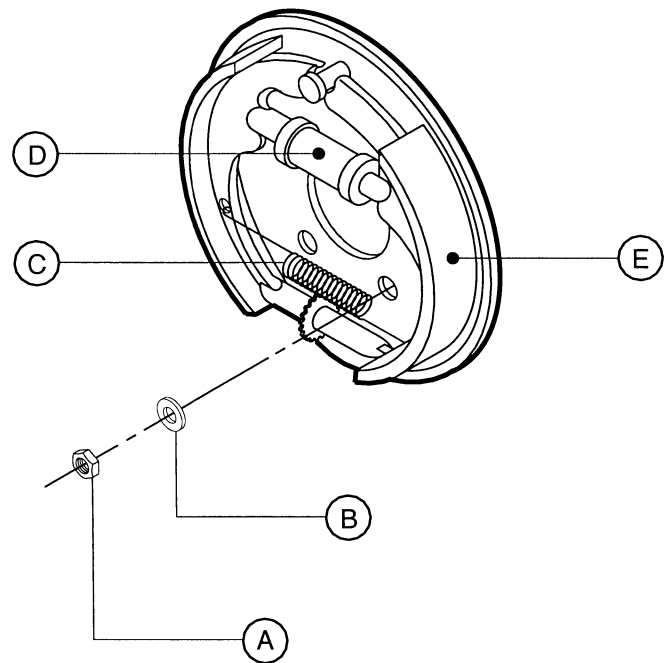
USED ON AXLE NO. 22161343



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35356872	10	NUT				
B	35356864	10	WASHER				
C	36895795	2	KIT , BRAKE SPRING				
D	36867851	1	KIT , LEFT BRAKE CYLINDER				
	36867885	1	KIT , RIGHT BRAKE CYLINDER				
E	36895779	1	KIT , LEFT SHOE AND LINING				
	36895787	1	KIT , RIGHT SHOE AND LINING				
F	35393834	1	PLATE , LEFT BACKING , ASSEMBLY				
	35393842	1	PLATE , RIGHT BACKING , ASSEMBLY				
—	36895241	1	COMPLETE LEFT BRAKE ASSEMBLY				
—	36895258	1	COMPLETE RIGHT BRAKE ASSEMBLY				

HYDRAULIC BRAKES (NO PARK BRAKE - REAR AXLE)

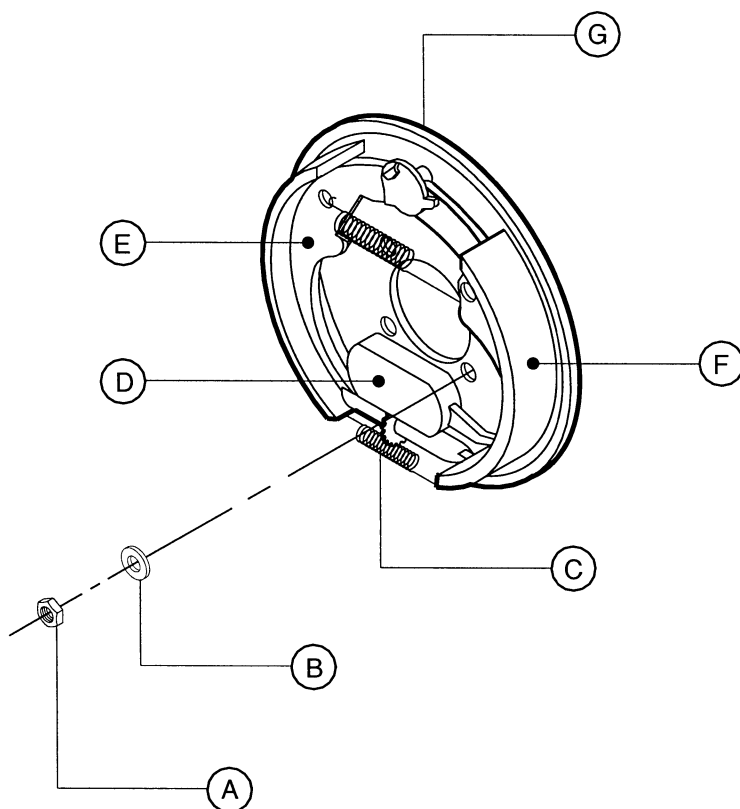
USED ON AXLE NO. 22161350



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35356872	10	NUT				
B	35356864	10	WASHER				
C	36895795	2	KIT , BRAKE SPRING				
D	36867851	1	KIT , LEFT BRAKE CYLINDER				
	36867885	1	KIT , RIGHT BRAKE CYLINDER				
E	36895779	1	KIT , LEFT SHOE AND LINING				
	36895787	1	KIT , RIGHT SHOE AND LINING				
—	35388628	1	COMPLETE LEFT BRAKE ASSEMBLY				
—	35388636	1	COMPLETE RIGHT BRAKE ASSEMBLY				

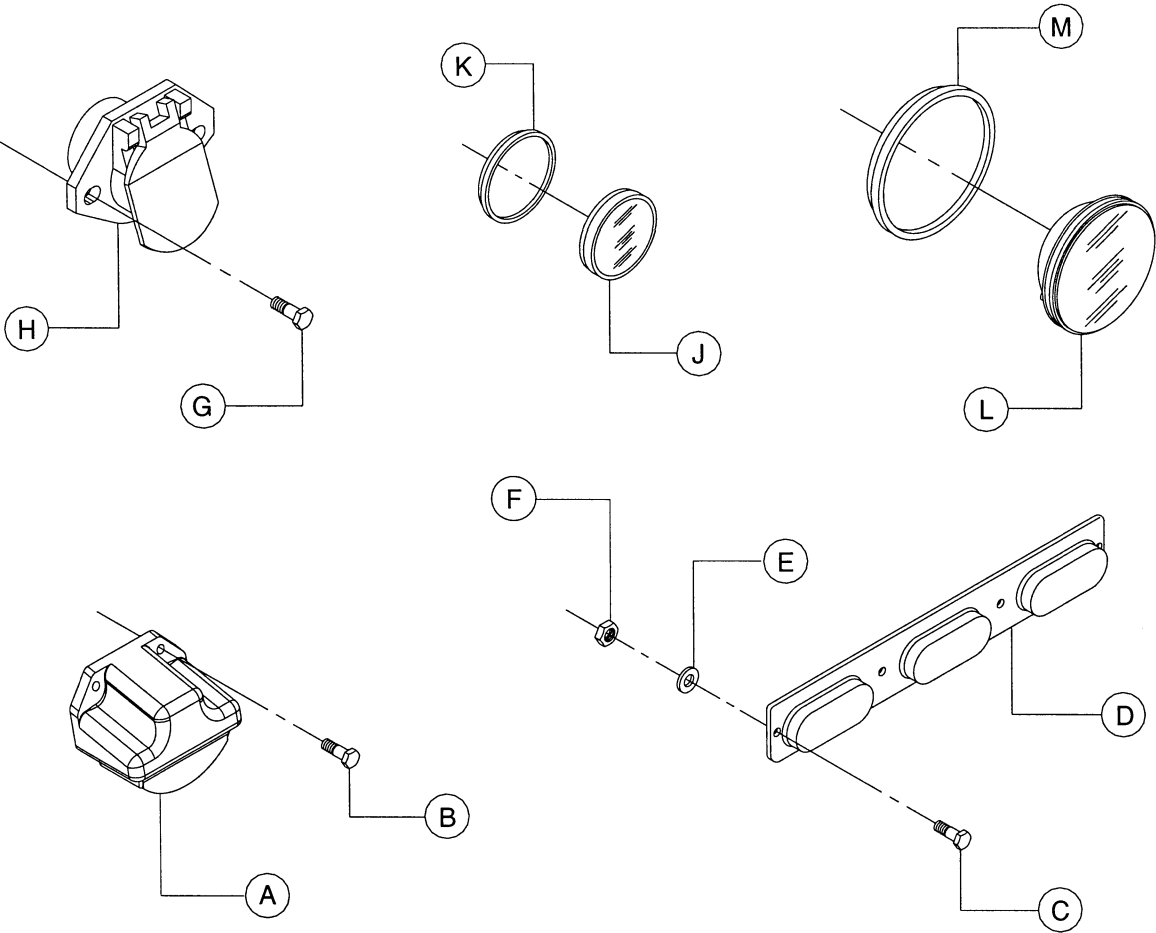
ELECTRIC BRAKES (WITH PARK BRAKE – BOTH AXLES)

USED ON AXLE NO. 22193015



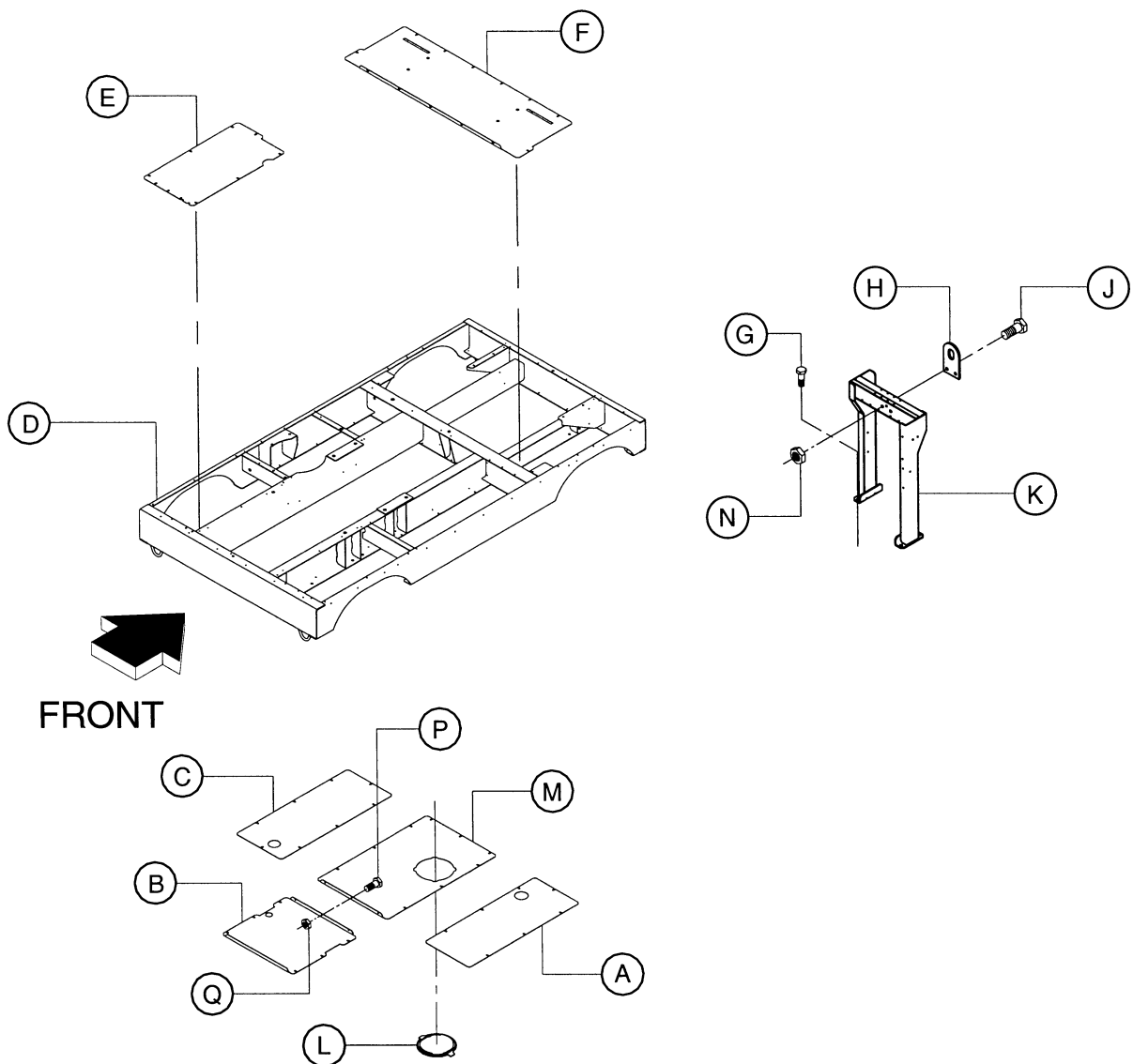
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35356872	10	NUT				
B	35356864	10	WASHER				
C	35393727	2	KIT , ADJUSTING SCREW AND SPRING				
D	36895811	2	KIT , MAGNET				
E	36895829	1	KIT , LEFT ACTUATING LEVER				
	36895837	1	KIT , RIGHT ACTUATING LEVER				
F	36895803	2	KIT , SHOE AND LINING				
G	35393859	1	PLATE , LEFT BACKING , ASSEMBLY				
	35393867	1	PLATE , RIGHT BACKING , ASSEMBLY				
—	35390814	1	COMPLETE LEFT BRAKE ASSEMBLY				
—	35390822	1	COMPLETE RIGHT BRAKE ASSEMBLY				

RUNNING LIGHTS ASSEMBLY



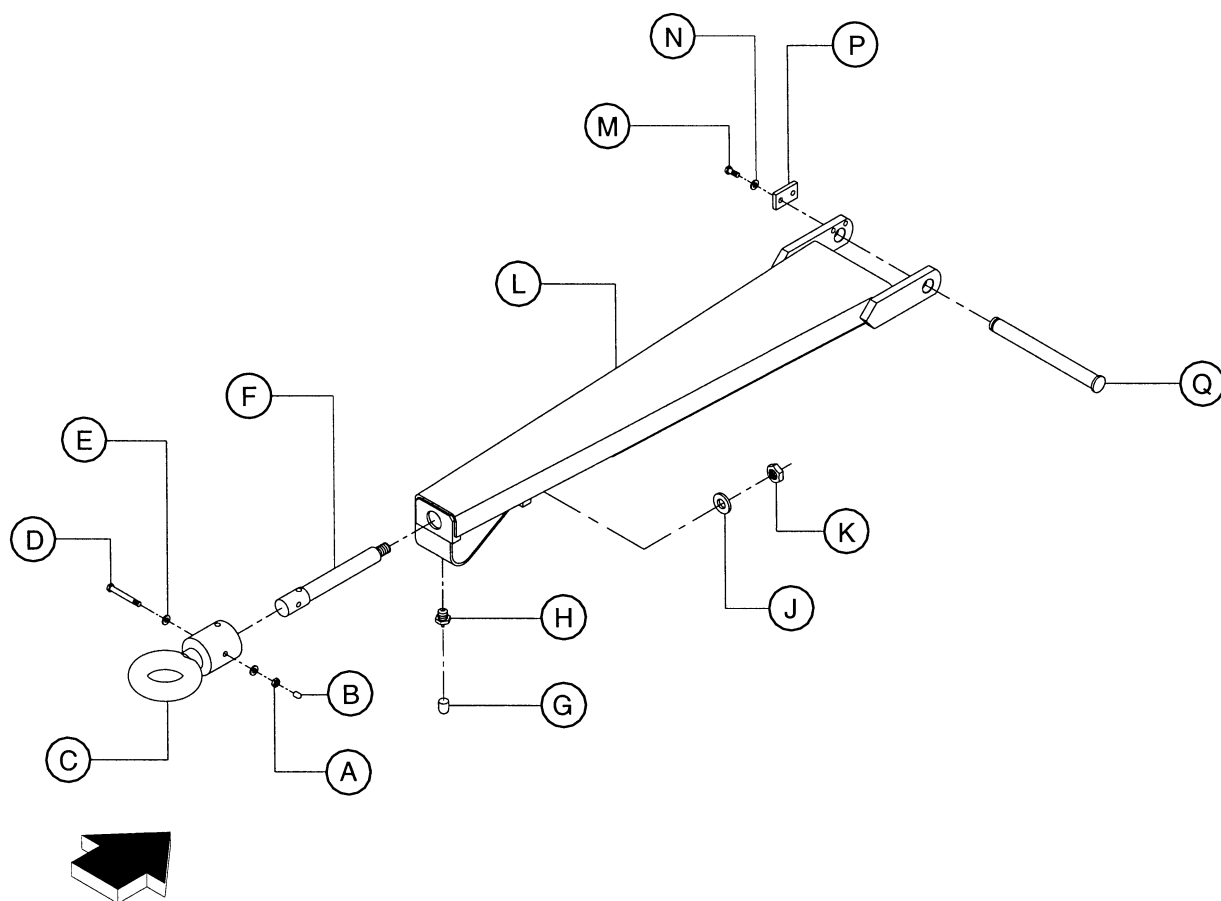
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	36881910	1	LIGHT , LICENSE PLATE				
B	35300771	2	SCREW				
C	95922126	2	SCREW				
D	36922144	1	3 - LIGHT ASSEMBLY				
E	95938692	2	WASHER				
F	35265388	2	NUT				
G	35279025	2	SCREW				
H	36894129	1	CONNECTOR , 7 - WAY				
J	35367044	4	RED LIGHT ASSEMBLY				
	35367051	4	YELLOW LIGHT ASSEMBLY				
K	36893634	8	GROMMET				
L	36788081	4	STOP , TURN , TAIL LIGHT ASSEMBLY				
M	36787968	4	GROMMET				
-	22312169	1	LIGHT HARNESS				

STEERABLE FRAME AND BELLYPANS



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22231716	1	BELLYPAN , MIDDLE FUEL TANK				
B	22231658	1	BELLYPAN , AIR END				
C	22231708	1	BELLYPAN , MIDDLE				
D	22197370	1	FRAME , WAGON WHEEL				
E	22231666	1	BELLYPAN , FRONT				
F	22231724	1	BELLYPAN , DISCHARGE				
G	96700901	4	SCREW				
H	22182307	1	PLATE , LIFTING BAIL				
J	36763670	2	SCREW				
K	22159859	1	BAIL , LIFTING				
L	36880623	1	COVER , ACCESS				
M	22231633	1	BELLYPAN , ENGINE				
	35279025	—	SCREW				
	36895746	—	NUTSERT				
N	96702741	2	NUT				
P	36889608	3	SCREW				
Q	36881886	3	NUT				

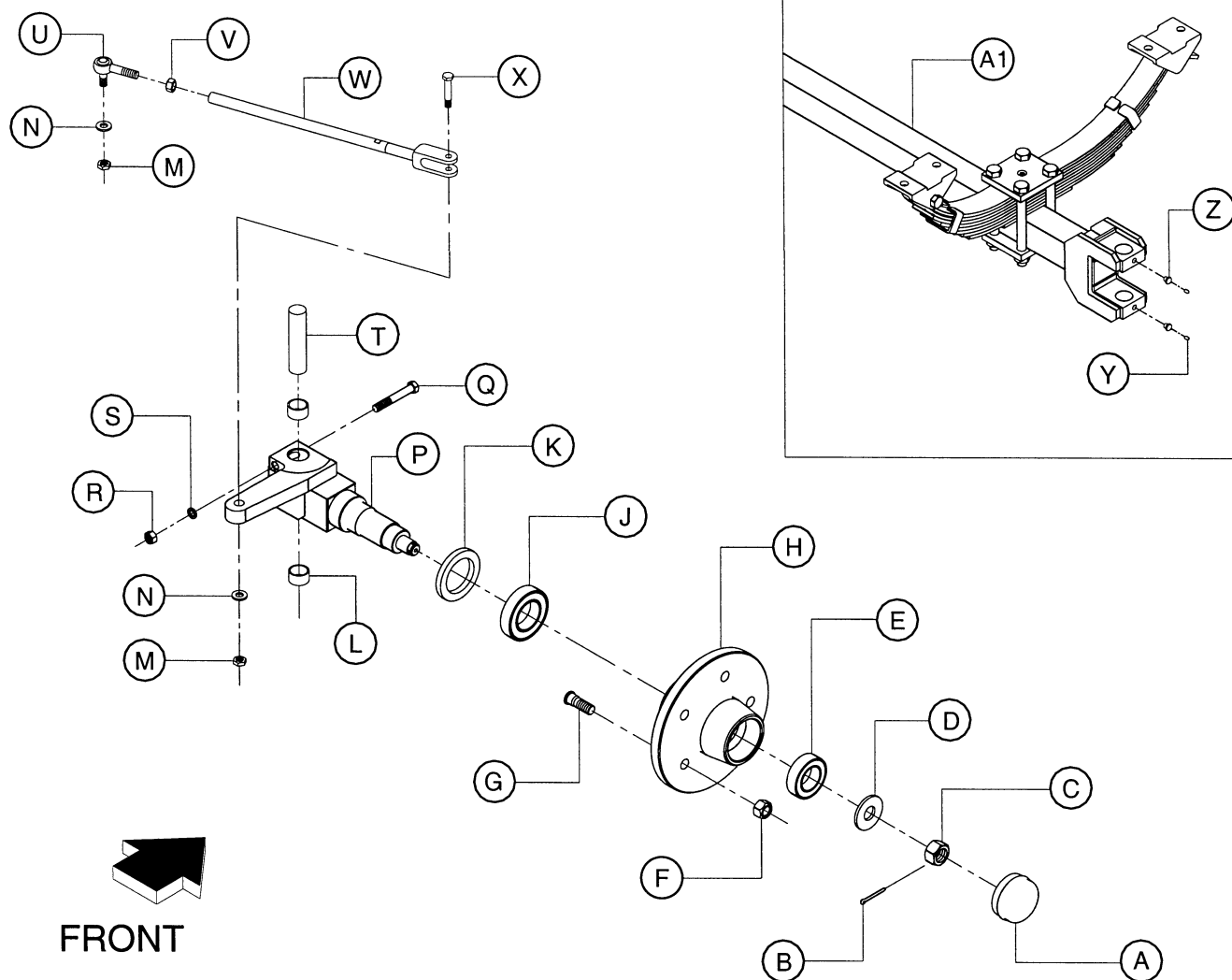
STEERABLE RUNNING GEAR



FRONT

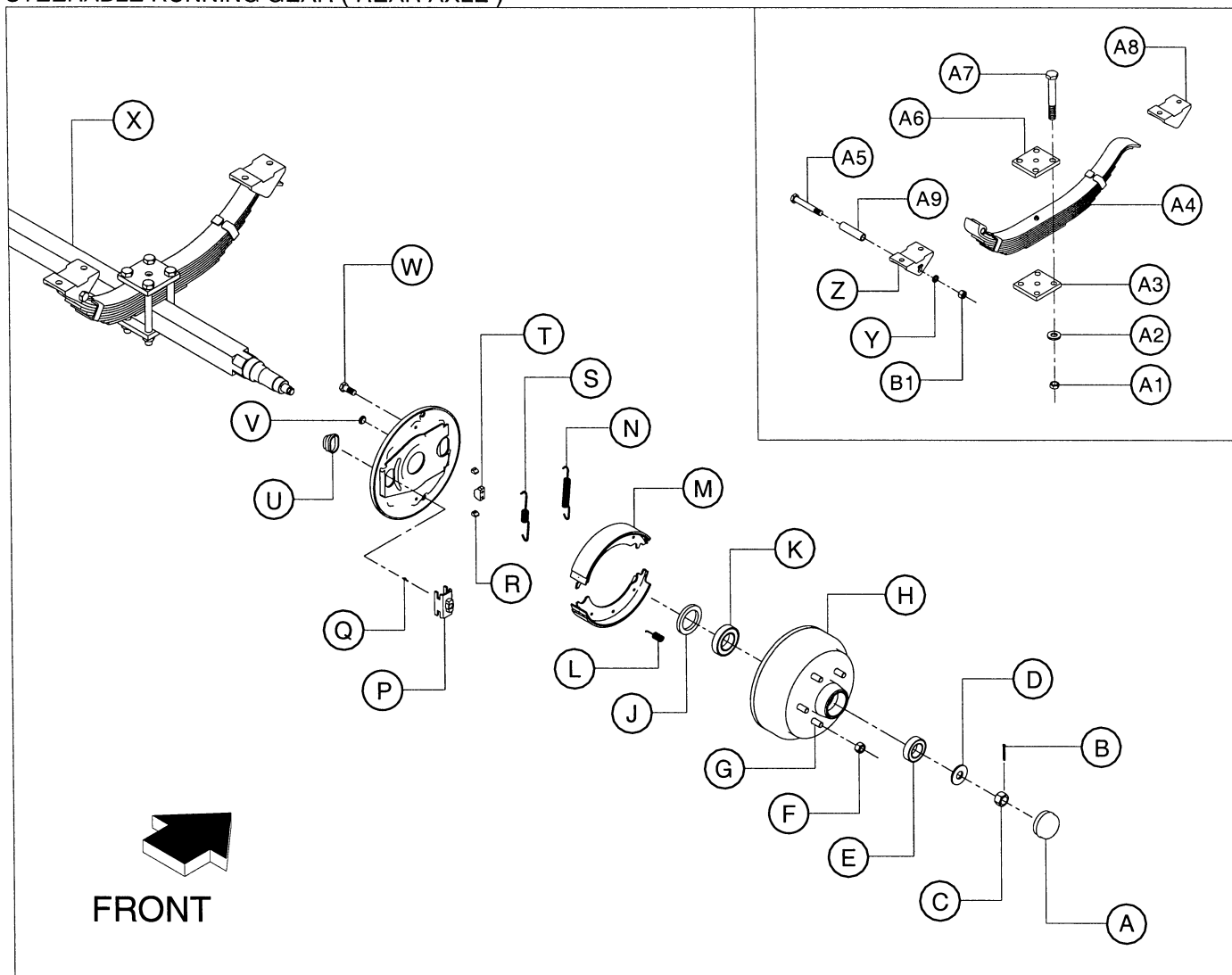
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22391833	2	NUT , LOCK				
B	22391841	2	CAP				
C	22391809	1	EYE , PINTLE				
D	22391817	2	SCREW				
E	22391825	4	WASHER				
F	22391775	1	SHAFT , TOW BAR				
G	22391858	2	CAP , GREASE FITTING				
H	22391767	2	FITTING , GREASE				
J	22391783	1	WASHER				
K	22391791	1	NUT , LOCK				
L	22391759	1	DRAWBAR				
M	22391890	2	SCREW				
N	22391882	2	WASHER				
P	22391874	1	PLATE				
Q	22391866	1	PIN				
—	22391700	1	DRAWBAR ASSEMBLY (ITEMS A THRU Q)				

STEERABLE RUNNING GEAR (FRONT AXLE)



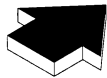
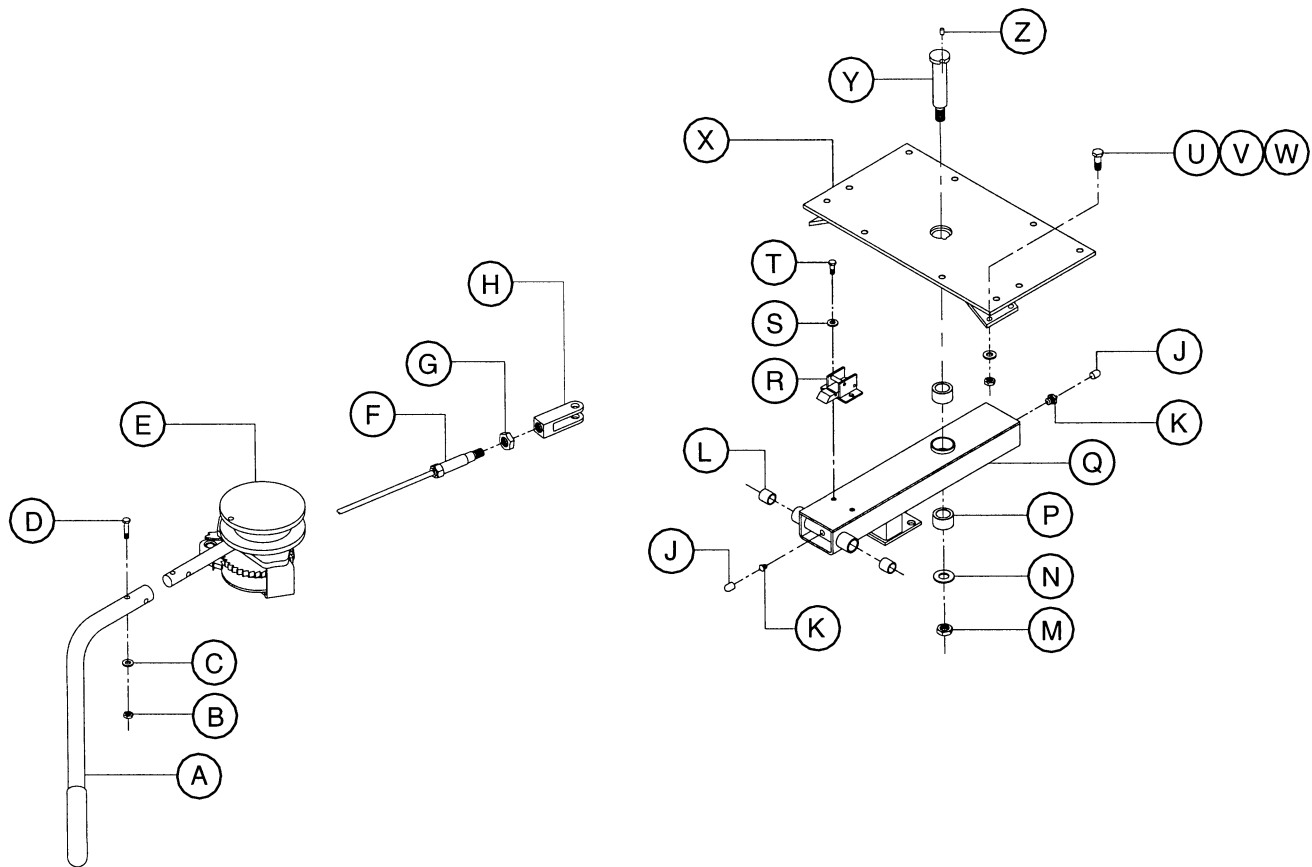
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22392153	2	COVER , HUB	U	22392377	2	PIN , BALL
B	22392237	2	PIN , COTTER	V	22392385	2	NUT
C	22392146	2	NUT	W	22392393	2	ROD , TRACK
D	22392229	2	WASHER , HUB	X	22392427	2	SCREW
E	22392138	2	BEARING , OUTER	Y	22391858	4	CAP , GREASE FITTING
F	22392211	10	NUT , WHEEL	Z	22391767	4	FITTING , GREASE
G	22392203	10	STUD , WHEEL	A1	22392294	1	BEAM , FRONT AXLE
H	22392120	2	FRONT HUB ASSEMBLY	—	22391726	1	FRONT AXLE ASSEMBLY
J	22392161	2	BEARING , INNER				(INCLUDES ITEMS A-L, P-T, Y-A1)
K	22392179	2	SEAL	—	22391734	1	TRACK ROD ASSEMBLY
L	22392286	4	BUSHING				(INCLUDES ITEMS U - W)
M	22392419	4	NUT , LOCK				——— ITEMS M , N AND X ARE NOT INCLUDED
N	22392401	8	WASHER				WITH ABOVE ASSEMBLIES.
P	22392187	1	LEFT FRONT AXLE STUB				
	22392195	1	RIGHT FRONT AXLE STUB				
Q	22392252	2	SCREW				
R	22392260	2	NUT , LOCK				
S	22392245	2	WASHER				
T	22392278	2	PIN , KING				

STEERABLE RUNNING GEAR (REAR AXLE)



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22392153	2	CAP , HUB	V	22392682	4	PLUG
B	22392237	2	PIN , COTTER	W	22392583	2	SCREW
C	22392146	2	NUT	X	22392435	1	BEAM , REAR AXLE
D	22392229	2	WASHER , HUB	Y	22392344	4	WASHER
E	22392138	2	BEARING , OUTER	Z	22392310	4	SHACKLE , FRONT
F	22392211	10	NUT , WHEEL	A1	22392112	16	NUT , LOCK
G	22392203	10	STUD , WHEEL	A2	22392104	16	WASHER
H	22392575	2	DRUM , REAR BRAKE	A3	22392088	4	SPRING BASE , LOWER
J	22392179	2	SEAL	A4	22392302	4	SPRING , LEAF
K	22392161	2	BEARING , INNER	A5	22392336	4	SCREW
L	22392633	4	SPRING	A6	22392070	4	SPRING BASE , UPPER
M	22392625	4	SHOE , BRAKE	A7	22392096	16	SCREW
N	22392617	2	ADJUSTER	A8	22392328	4	SHACKLE , REAR
P	22392658	2	EXPANDER	A9	22392369	4	BUSHING
Q	22392641	2	HOLDER	B1	22392351	4	NUT , LOCK
R	22392591	4	WEDGE	—	22391742	1	REAR AXLE ASSEMBLY
S	22392666	2	SPRING				(INCLUDES ITEMS A THRU X)
T	22392609	2	WEDGE				
U	22392674	2	COVER				

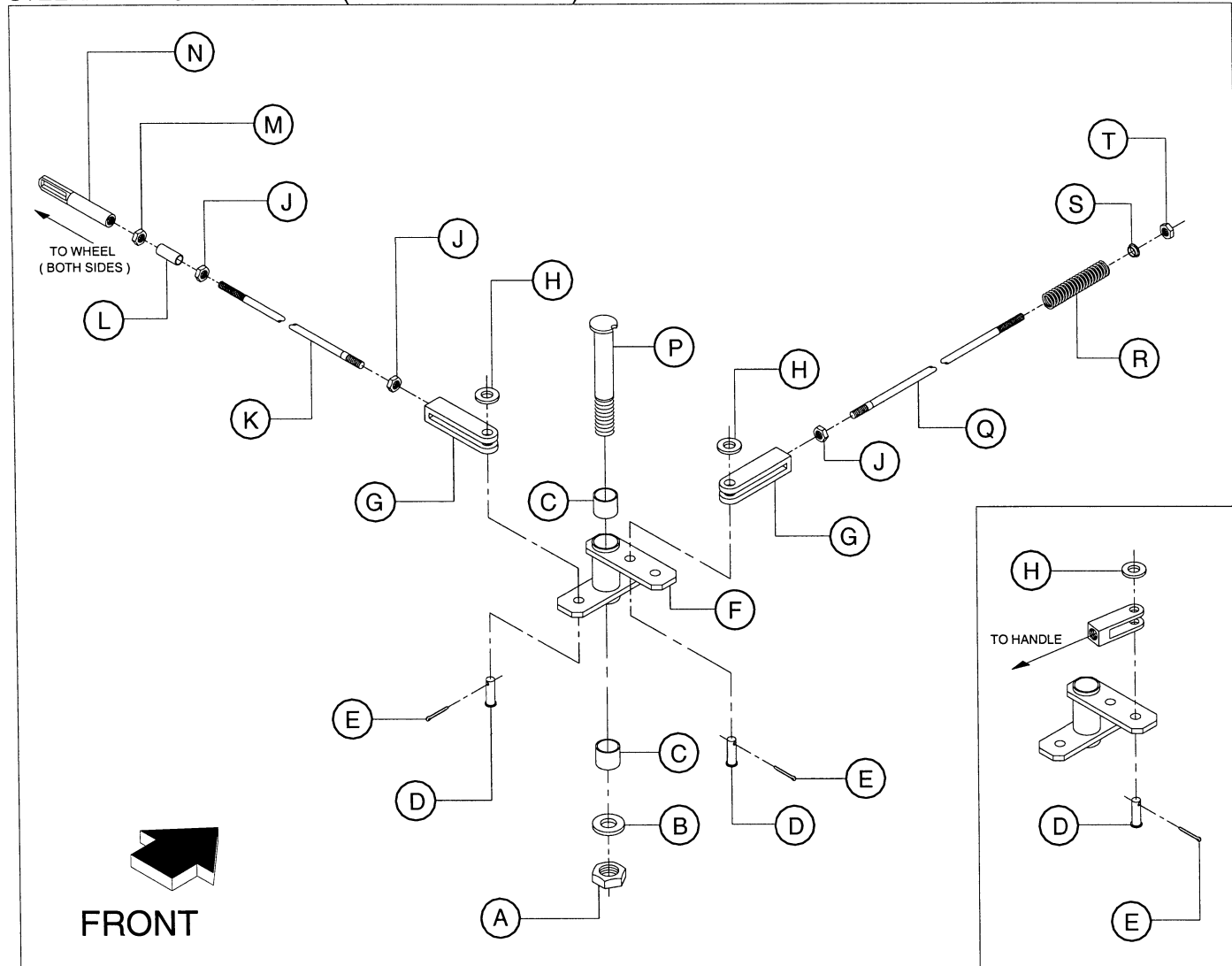
STEERABLE RUNNING GEAR (PARKING BRAKE)



FRONT

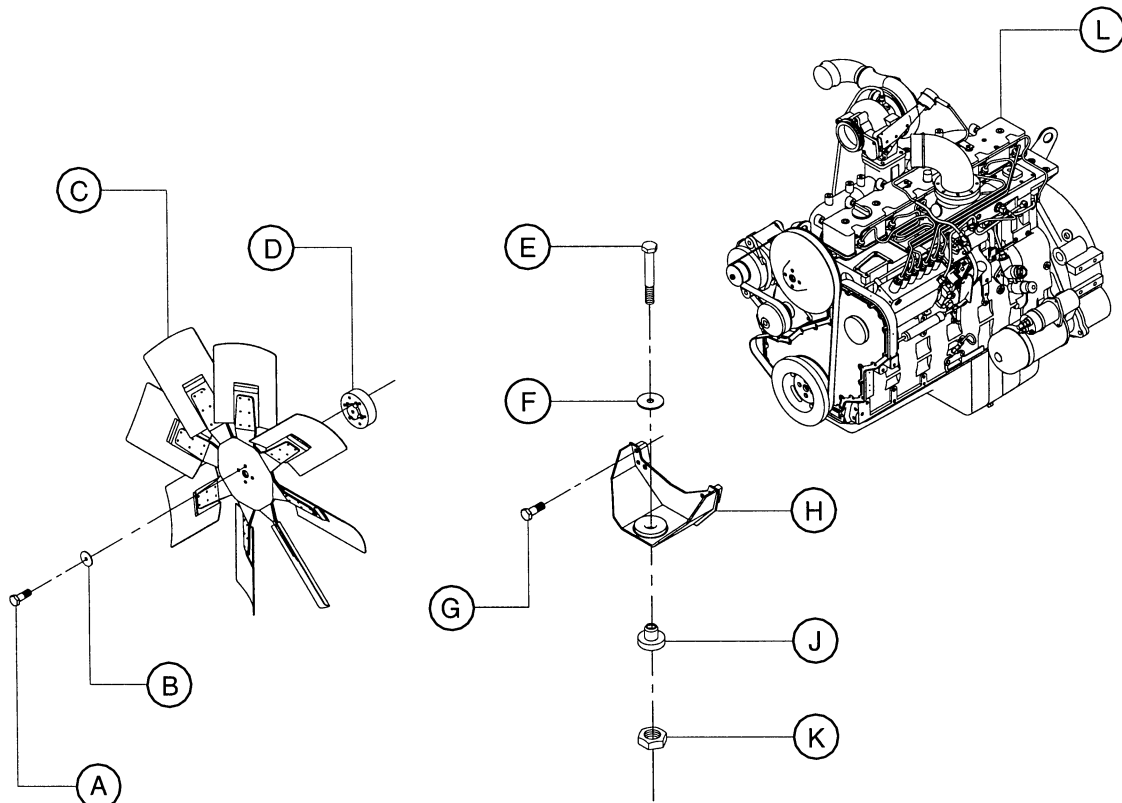
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22391981	1	HANDLE , PARKING BRAKE	Q	22391932	1	BODY
B	22392013	2	NUT	R	22391940	1	LATCH
C	22391882	2	WASHER	S	22391882	2	WASHER
D	22392005	2	SCREW	T	22391890	2	SCREW
E	22391973	1	RACHET , BRAKE	U	22392054	3	SCREW
F	22391999	1	CABLE , BRAKE	V	22392047	3	WASHER
G	22392021	1	NUT	W	22392062	3	NUT
H	22392039	1	YOKE	X	22391965	1	BOX , PINTLE
J	22391858	2	CAP , GREASE FITTING	Y	22391957	1	PIN , LARGE
K	22391767	2	FITTING , GREASE	Z	22391924	1	PIN , SMALL
L	22391908	2	BEARING , BRONZE	-	22391718	1	PINTLE BOX ASSY.
M	22391791	1	NUT , LOCK				(ITEMS A THRU Z)
N	22391783	1	WASHER				
P	22391916	1	BEARING , BRONZE				

STEERABLE RUNNING GEAR (PARKING BRAKES)



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22391833	1	NUT , LOCK				
B	22392443	1	WASHER				
C	22392500	2	BEARING , BRONZE				
D	22392476	3	PIN				
E	22392468	3	PIN , COTTER				
F	22392492	1	LEVER				
G	22392039	3	YOKE				
H	22392450	3	WASHER				
J	22392021	6	NUT				
K	22392534	2	ROD				
L	22392526	2	NUT , ADAPTER				
M	22392062	2	NUT				
N	22392518	2	HOOK , SAFETY				
P	22392484	1	PIN				
Q	22392542	1	ROD				
R	22392559	1	SPRING				
S	22392567	1	WASHER				
T	22392260	1	NUT , LOCK				
—	22391742	1	REAR AXLE ASSEMBLY (INCLUDES ITEMS A THRU T)				

ENGINE COMPLETE

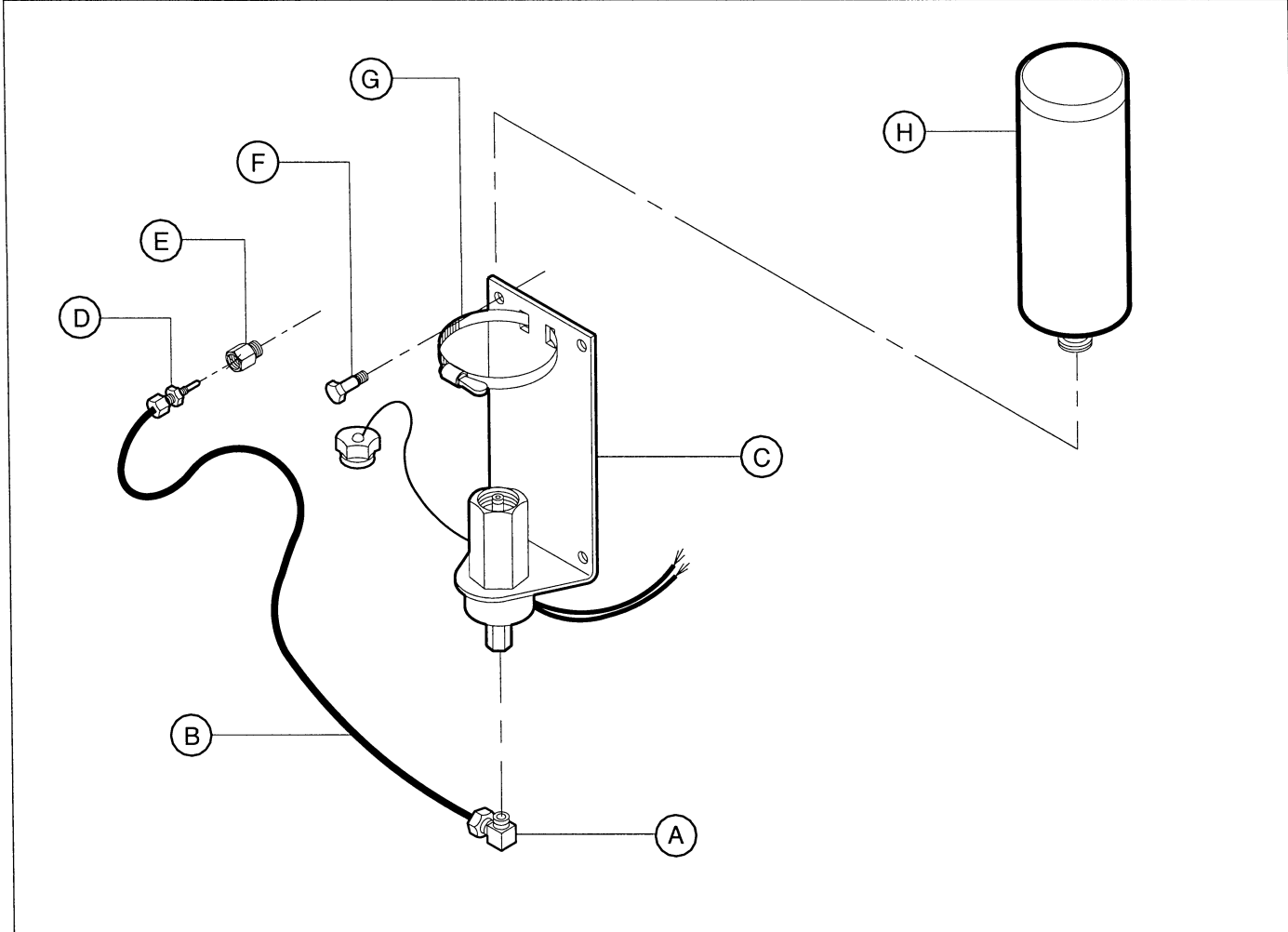


ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	96730387	4	SCREW				
B	95935037	4	WASHER				
C	22170138	1	FAN ASSEMBLY				
D	22293179	1	SPACER , FAN				
E	95934253	1	SCREW				
F	35273937	1	WASHER				
G	96730395	4	SCREW				
H	22186241	1	BRACKET , ENGINE				
J	35302835	1	MOUNT , RUBBER				
K	95923363	1	NUT				
L	22134969	1	6C8.3 CU - HP-675-W-CU / XP-750D-W-CU				
	22134951	1	6C8.3 CU - HP-750D-W-CU / XP-825D-W-CU / 9-235				
—	22177737	1	ENGINE OIL FILTER				
—	35374677	1	ENGINE FUEL FILTER				
—	22345748	1	ENGINE WATER FILTER				
—	22345755	1	STARTER MOTOR				
—	22345763	1	ENGINE BELT				
—	22178115	1	ALTERNATOR				

[illegible]

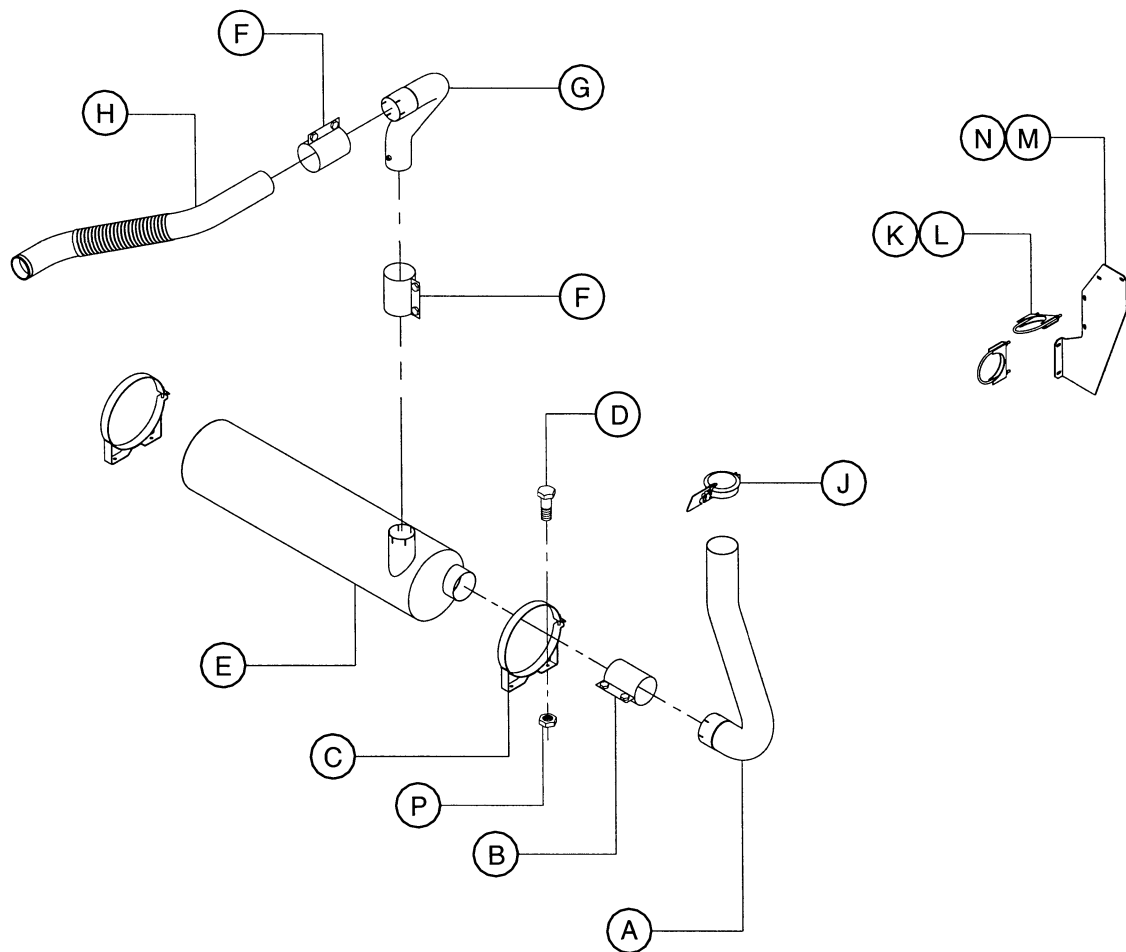
MANUAL NO. — DRAWING NO. DATE / REV:
22330252 9 11/03 A

ETHER COLD START KIT



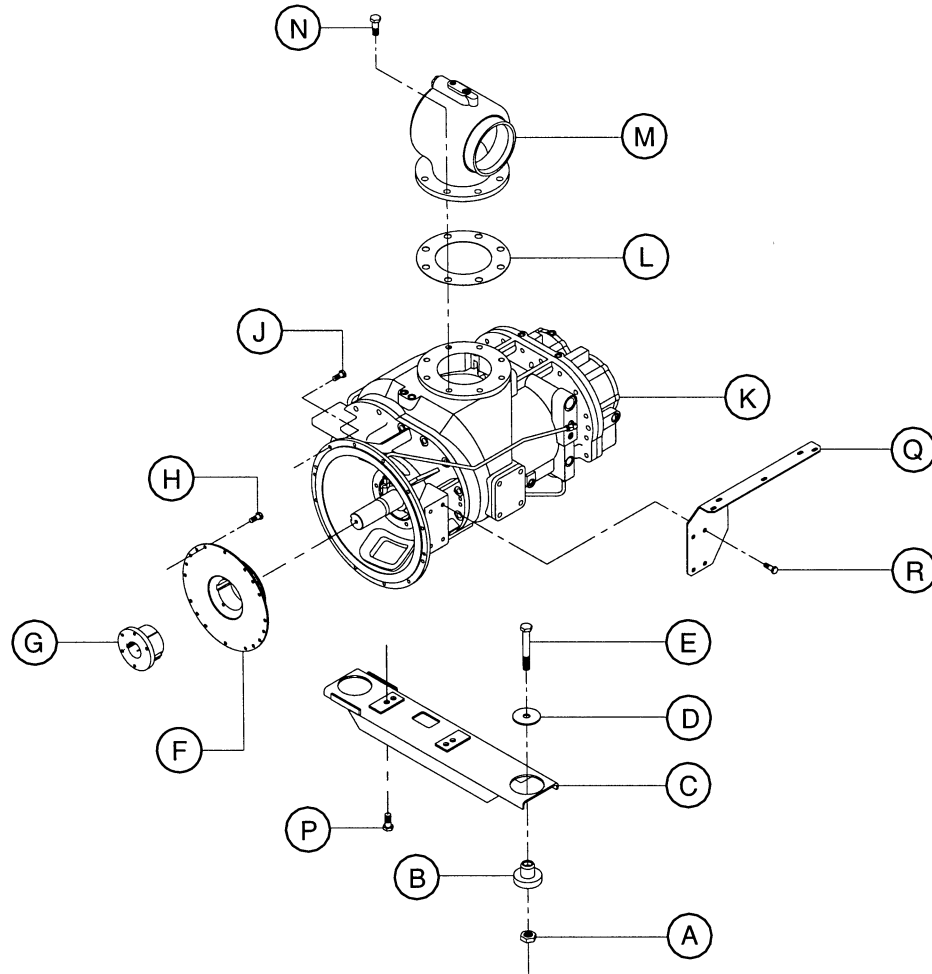
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35103498	1	ELBOW				
B	35132166	1	TUBING				
C	35357961	1	VALVE AND BRACKET ASSEMBLY				
D	35602812	1	ATOMIZER				
E	95930301	1	BUSHING (TO PORT ON ENGINE INTAKE MANIFOLD)				
F	35279025	4	SCREW				
G	35103506	1	CLAMP , BAND				
H	35112911	1	CYLINDER , ETHER				
—	35357052	1	STARTING AID KIT (INCLUDES ITEMS A – G)				

EXHAUST COMPLETE



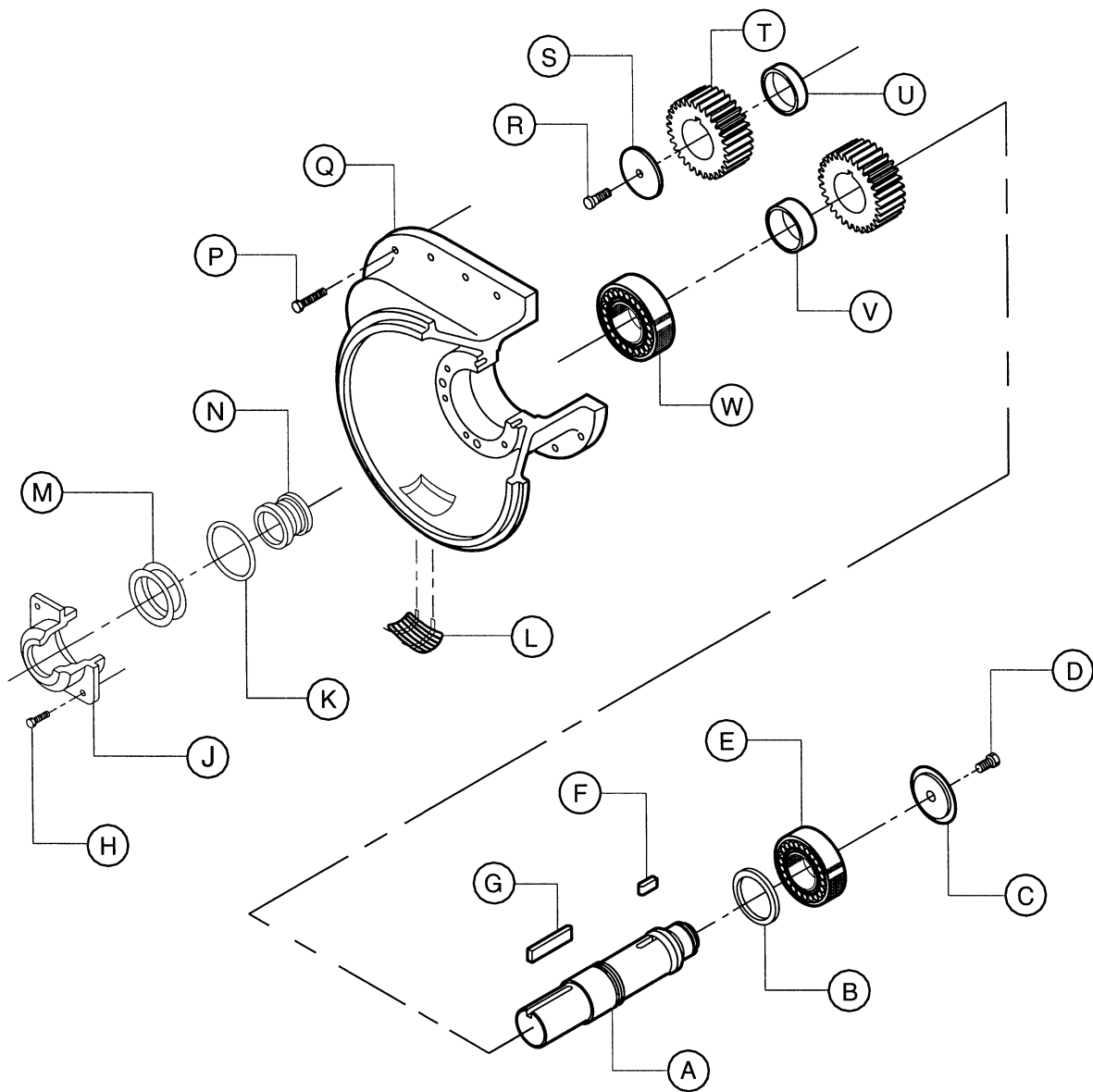
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22288849	1	PIPE , EXHAUST				
B	35307131	1	CLAMP , SEAL				
C	36866929	2	CLAMP , MOUNTING				
D	36889608	4	SCREW				
E	36866911	1	MUFFLER				
F	35313303	2	CLAMP , SEAL				
G	22208474	1	PIPE , EXHAUST				
H	22207120	1	PIPE , TURBO				
J	35857036	1	CAP , RAIN				
K	35127653	2	CLAMP				
L	95935037	4	WASHER (ON CLAMPS)				
M	22289995	1	SUPPORT				
N	35279025	2	SCREW				
P	36881886	4	NUT				

AIR END COMPLETE



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	95923363	2	NUT				
B	35302835	2	MOUNT , RUBBER				
C	22177703	1	BRACKET , AIR END MOUNTING				
D	35273937	2	WASHER				
E	95934253	2	BOLT				
F	35834795	1	COUPLING , AIR END / ENGINE				
G	35103852	1	BUSHING , COUPLING				
H	95220604	8	SCREW				
J	96701917	12	SCREW				
K	42437566	1	AIR END ASSEMBLY (HP-675)				
	42437524	1	AIR END ASSEMBLY (HP-750 & XP-750)				
	42437582	1	AIR END ASSEMBLY (XP-825 & 9 / 235)				
L	36786572	1	GASKET , UNLOADER				
M	36734515	1	UNLOADER ASSEMBLY				
N	35272558	6	SCREW (45 MM)				
	96700901	2	SCREW (40 MM)				
P	35358274	4	SCREW				
Q	22283758	1	SUPPORT , WIRE ROUTING				
R	96701495	4	SCREW				

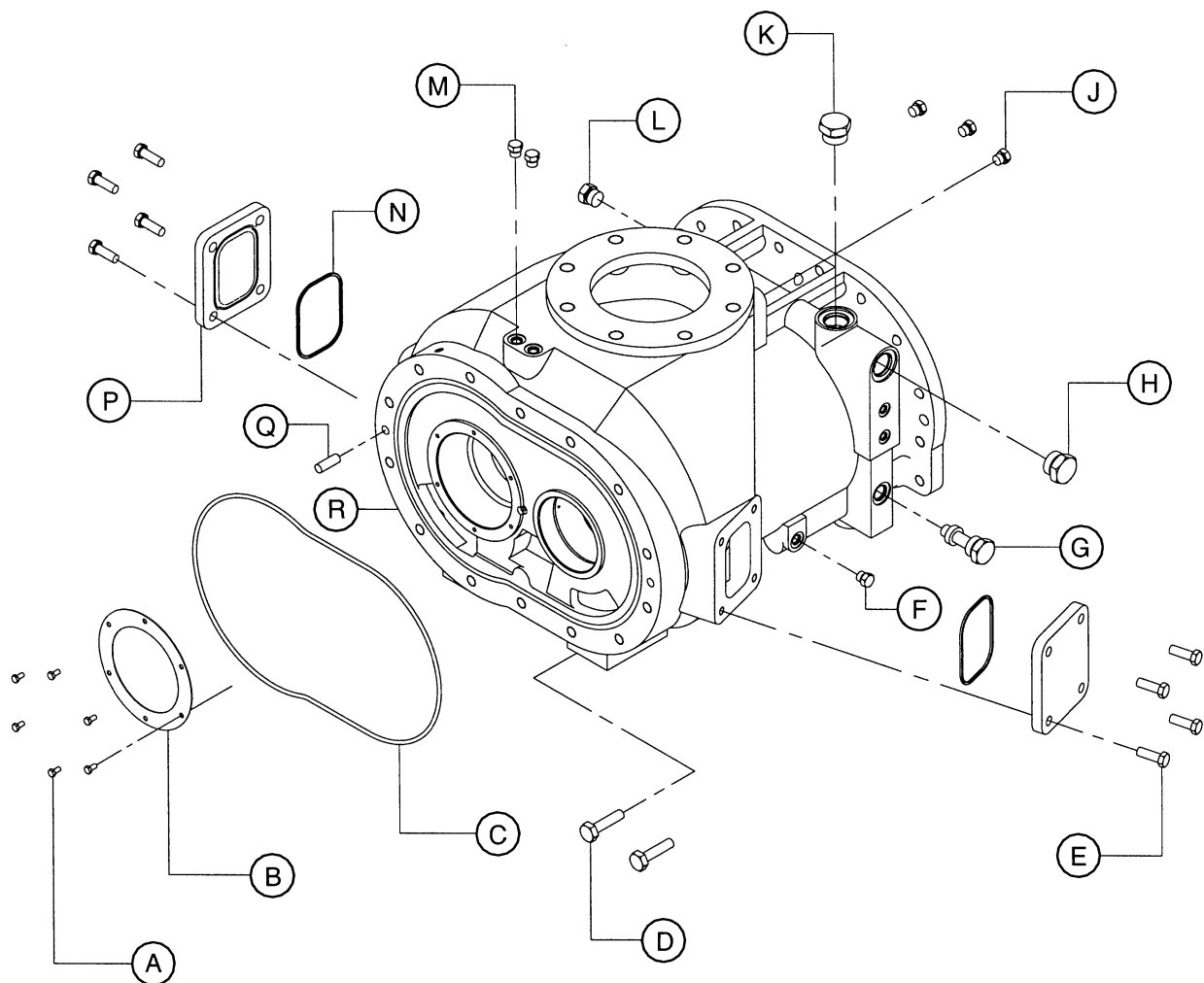
AIR END ASSEMBLY



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	36846400	1	SHAFT , DRIVE	M	36846442	1	SET , SHIM
B	36851681	1	SPACER	N	35593508	1	SEAL , SHAFT
C	36764785	1	PLATE , CLAMP	P	96716162	14	SCREW
D	35336304	1	SCREW	Q	36851459	1	HOUSING , GEAR CASE
E	36854925	1	BEARING , INBOARD	R	96706254	1	SCREW
F	35361328	1	KEY	S	35255819	1	PLATE , CLAMP
G	35364975	1	KEY , COUPLING	T	SEE GEAR SET CHART		
H	96712187	6	SCREW	U	39326483	1	SPACER
J	36507515	1	COVER , SEAL	V	36846418	1	SPACER
K	95358164	1	O-RING	W	36846426	1	BEARING , OUTBOARD
L	36798346	1	GUARD , BOTTOM				
	36798361	1	GUARD , TOP				

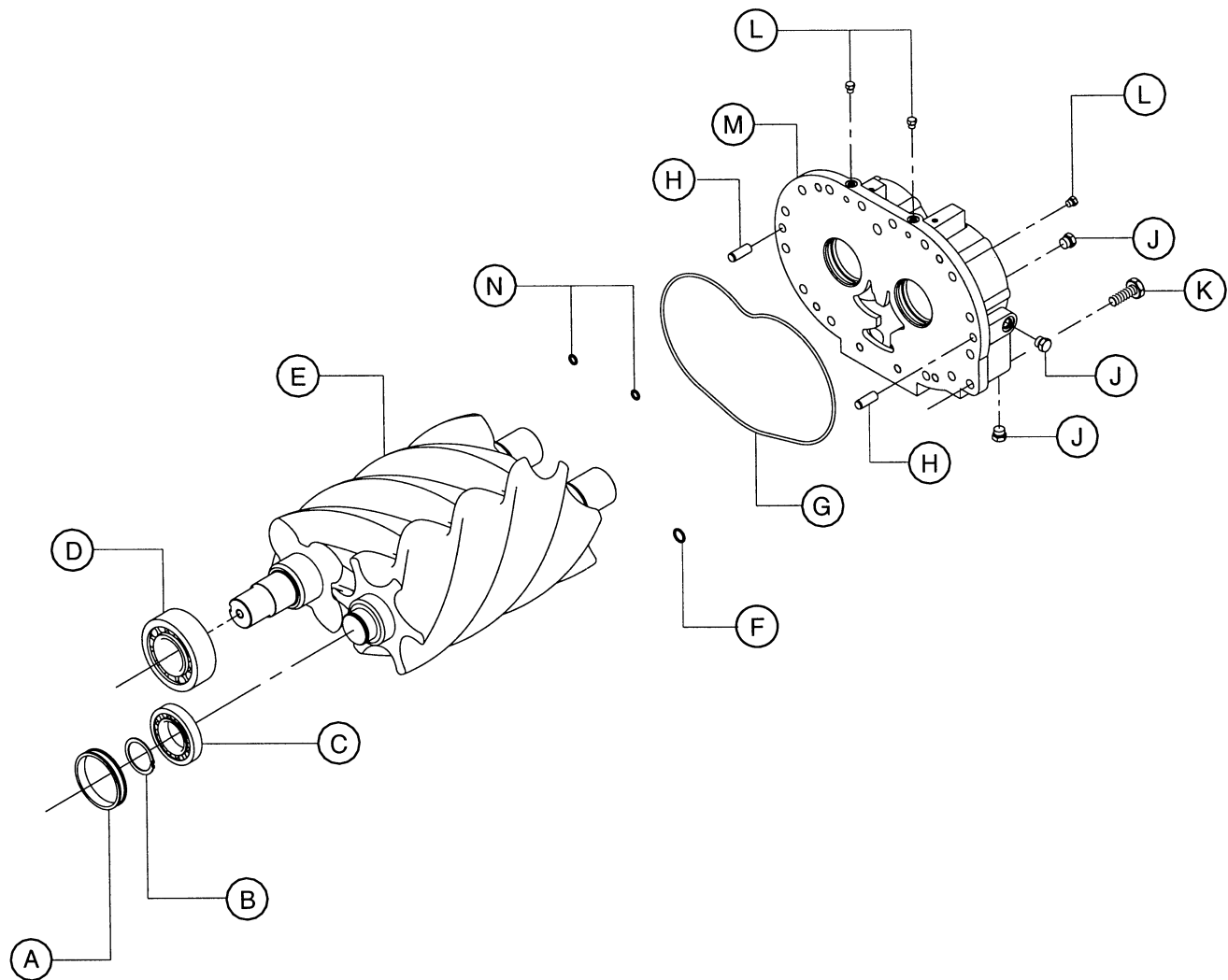
UNIT	AIR END ASSY.	GEAR SET
HP-675-W-CU	42437566	35298132
XP-750D-W-CU	42437574	35335363
HP-750D-W-CU	42437574	35335363
XP-825D-W-CU	42437582	35334853

AIR END ASSEMBLY



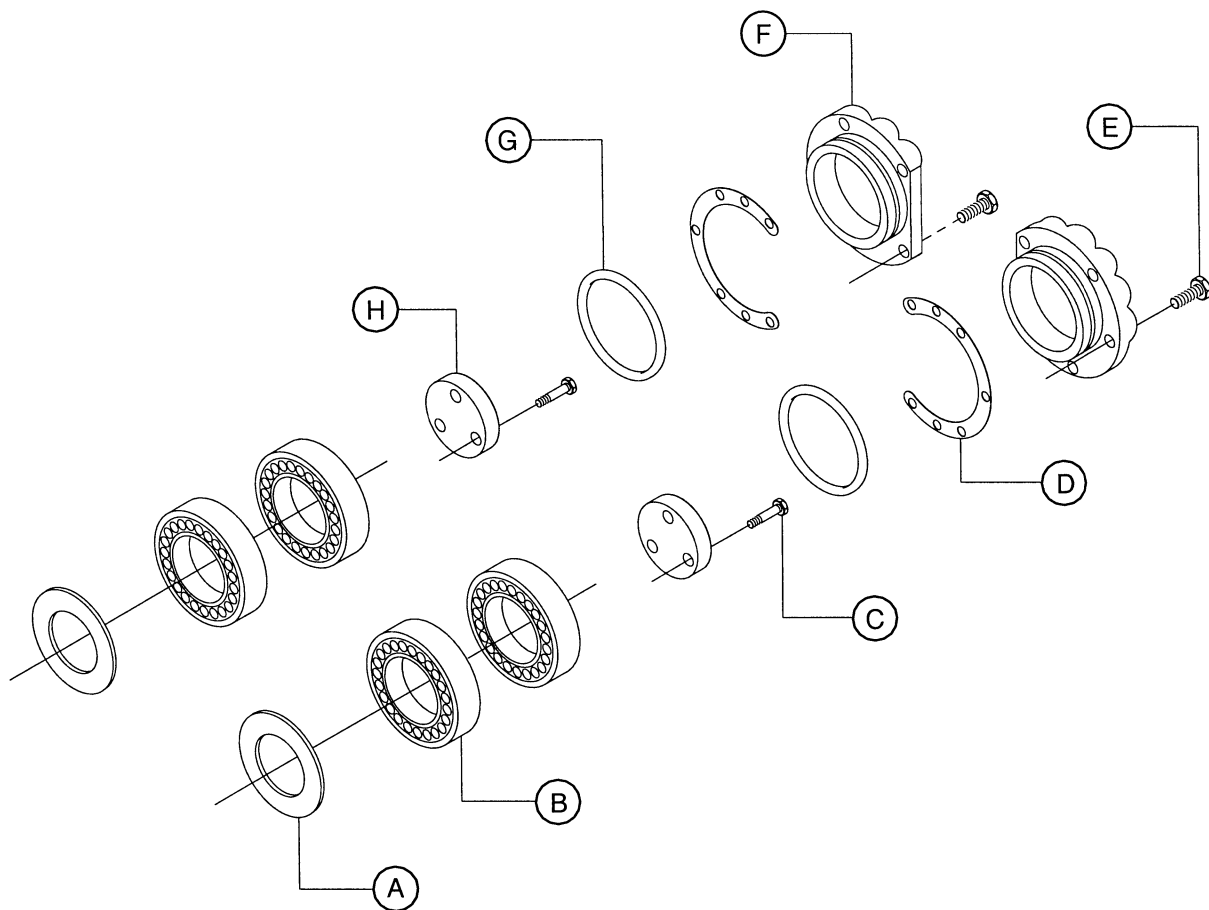
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	96716105	6	SCREW				
B	39326749	1	PLATE , RETAINER				
C	39253992	1	O-RING				
D	35279009	2	SCREW				
E	96712179	8	SCREW				
F	95938205	1	PLUG				
G	39330626	1	14MM ORIFICE				
H	95939856	1	PLUG				
J	95938205	3	PLUG				
K	95939856	1	PLUG				
L	95938221	1	PLUG				
M	95938205	2	PLUG				
N	95023073	2	O-RING				
P	22219687	2	PLATE , COVER				
Q	95239927	2	PIN , DOWEL				
R	22124317	1	HOUSING , ROTOR				

AIR END ASSEMBLY



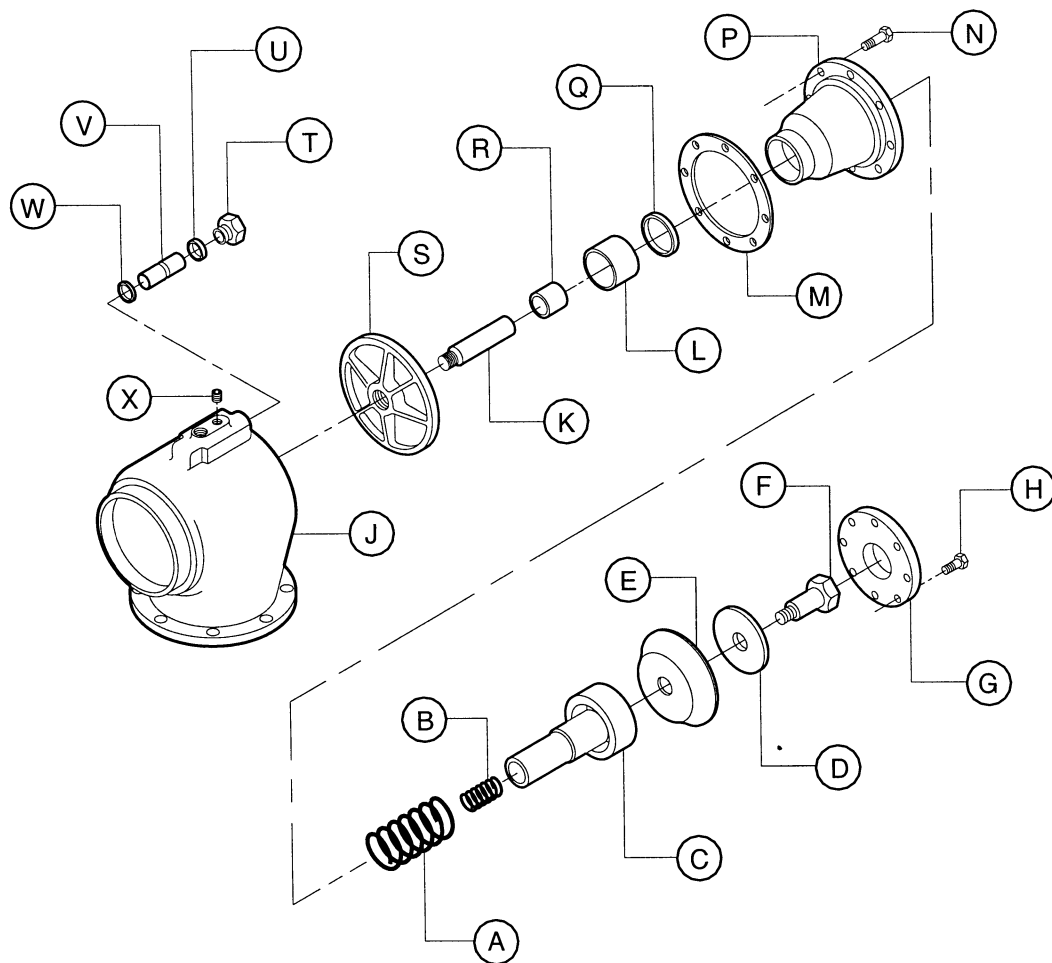
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35262963	1	SPACER				
B	95096806	1	RING , SNAP				
C	35313568	1	BEARING , FEMALE ROTOR				
D	39322706	1	BEARING , MALE ROTOR				
E	36005031	1	SET , ROTOR				
F	95022141	1	O-RING				
G	39253984	1	O-RING				
H	35295336	1	PIN , DOWEL				
J	95938213	3	PLUG				
K	96706262	14	SCREW				
L	95938965	3	PLUG				
M	39890553	1	HOUSING , REAR BEARING				
N	95656260	2	O-RING				

AIR END ASSEMBLY



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35299361	2	SHIM				
B	39437686	4	BEARING , TAPER ROLLER				
C	96705983	6	SCREW				
D	39326780	4	SHIM				
	39326798	6	SHIM				
	39326806	4	SHIM				
E	96712179	10	SCREW				
F	39891486	2	COVER , REAR BEARING				
G	95023388	2	O-RING				
H	39436977	2	PLATE , CLAMP				

UNLOADER ASSEMBLY

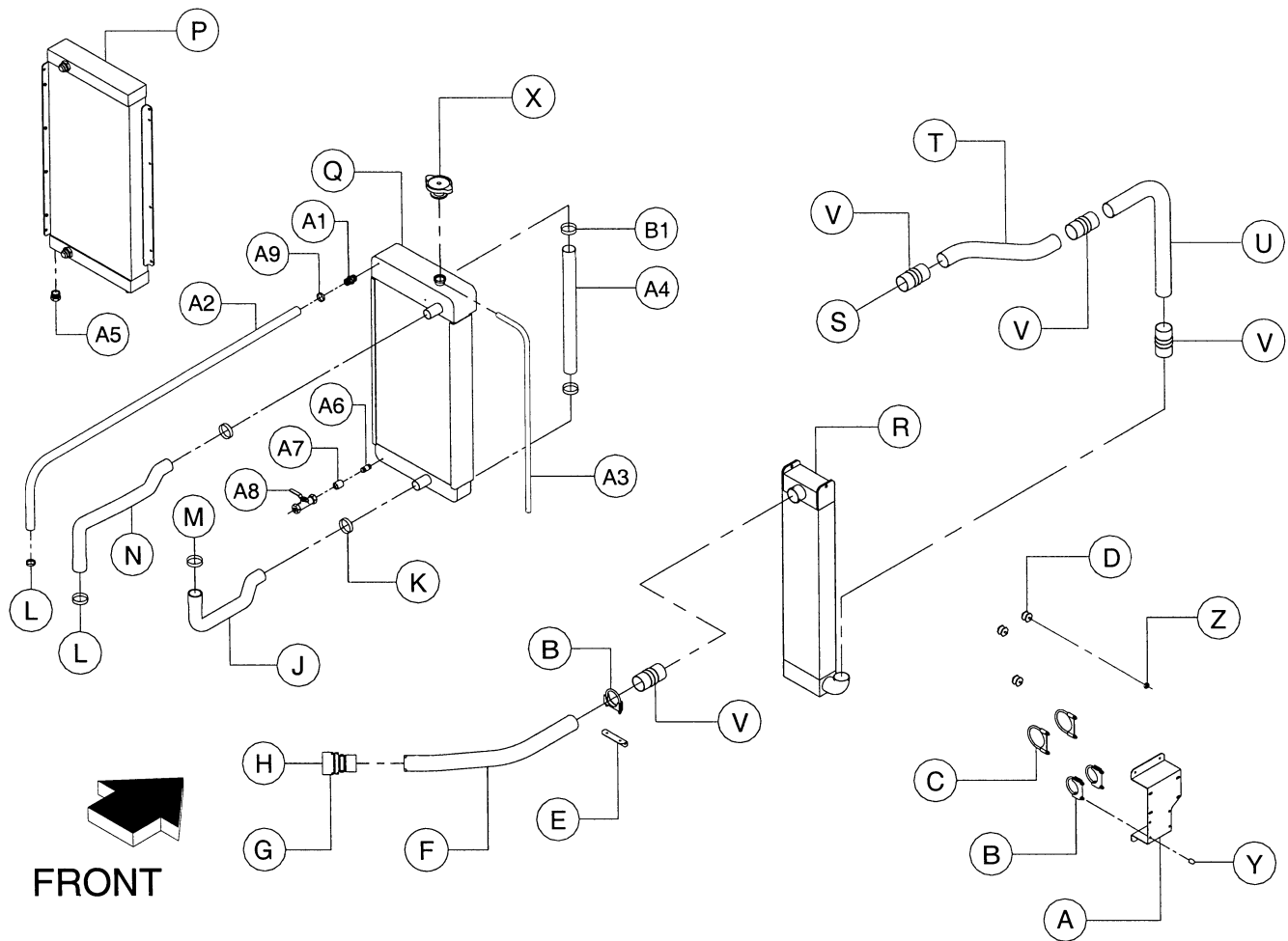


ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35332691	1	SPRING , LARGE	X	35287556	1	PLUG
B	35332683	1	SPRING , SMALL		35278571	1	O-RING
C	35591163	1	PISTON	—	36734515	1	UNLOADER ASSEMBLY
D	35327204	1	WASHER				
E	35592534	1	DIAPHRAGM				
F	95934642	1	SCREW				
G	35591189	1	COVER , PISTON				
H	96702659	8	SCREW				
J	36734507	1	BODY , UNLOADER				
K	35332006	1	STEM				
L	35328228	1	BUSHING				
M	35328251	1	GASKET				
N	96702287	12	SCREW				
P	36722460	1	HOUSING				
Q	35328244	1	SEAL				
R	35328269	2	BUSHING				
S	35591171	1	PLATE , VALVE				
T	35328236	1	ADAPTER				
U	35331578	1	GROMMET				
V	36897148	1	VALVE , ANTI-RUMBLE				
W	35331586	1	GROMMET				

ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22302889	1	BAFFLE , FAN				
B	22228753	1	SHROUD , FAN				
C	22228852	2	SUPPORT , COOLER				
D	22303465	3	PLATE , COVER				
E	22186779	1	SUPPORT , BOTTOM COOLER				
F	22228860	3	PLATE , COVER				
G	22202485	1	SUPPORT , LEFT COOLER				
H	22228431	1	GUARD , FAN				
	36889608	8	SCREW (FAN GUARD MOUNTING)				
	36889608	5	SCREW (FAN GUARD JOINING)				
	36881886	5	NUT (FAN GUARD JOINING)				
J	22203608	6	BRACE , COOLER				
K	22202477	1	SUPPORT , RIGHT COOLER				
L	22155870	1	SUPPORT , COOLER				
M	22202501	1	BAFFLE , TOP				
N	22202493	1	SUPPORT , TOP COOLER				
—	36895746	—	NUTSERT				
—	35279025	—	SCREW				

MANUAL NO.—DRAWING NO. DATE / REV.
22330252 16 11/03 A

RADIATOR AND COOLERS PIPING



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22207237	1	BRACKET , TUBE	X	36877298	1	CAP , RADIATOR
B	35113646	4	CLAMP	Y	22367163	8	PROTECTOR , THREAD
C	35111731	2	CLAMP	Z	36881886	3	NUT
D	92276096	3	ISOLATOR	A1	35310598	1	ADAPTER
E	22303333	1	SUPPORT	A2	35285600	1	HOSE
F	22207146	1	TUBE , CHARGE AIR OUT	A3	35363498	1	HOSE
G	22058564	1	REDUCER , RUBBER				
H	54444427	1	4" CLAMP (USE 1 ON BIG END AND 1 ITEM " W " ON SMALL END)				
J	22206122	1	HOSE , LOWER RAD.	A4	35286327	1	HOSE
K	35222017	4	CLAMP , HOSE	A5	35287556	1	PLUG
L			TO THERMOSTAT HOUSING	A6	95944575	1	NIPPLE
M			TO BOTTOM OF ENGINE	A7	95953444	1	COUPLING
N	22206130	1	HOSE , TOP RADIATOR	A8	36782167	1	VALVE , BALL
P	22155592	1	COOLER , OIL	A9	95264776	2	CLAMP
Q	36877280	1	RADIATOR	B1	95220851	2	CLAMP
R	22155337	1	COOLER , CHARGE AIR				
S			TO ELBOW AT TURBO				
T	22207161	1	TUBE , UPPER CHARGE AIR				
U	22207153	1	TUBE , LOWER CHARGE AIR				
V	22144497	4	CONNECTOR , RUBBER				
W	22144513	9	3" CLAMP (2 ON EACH END OF ITEM " V ")				

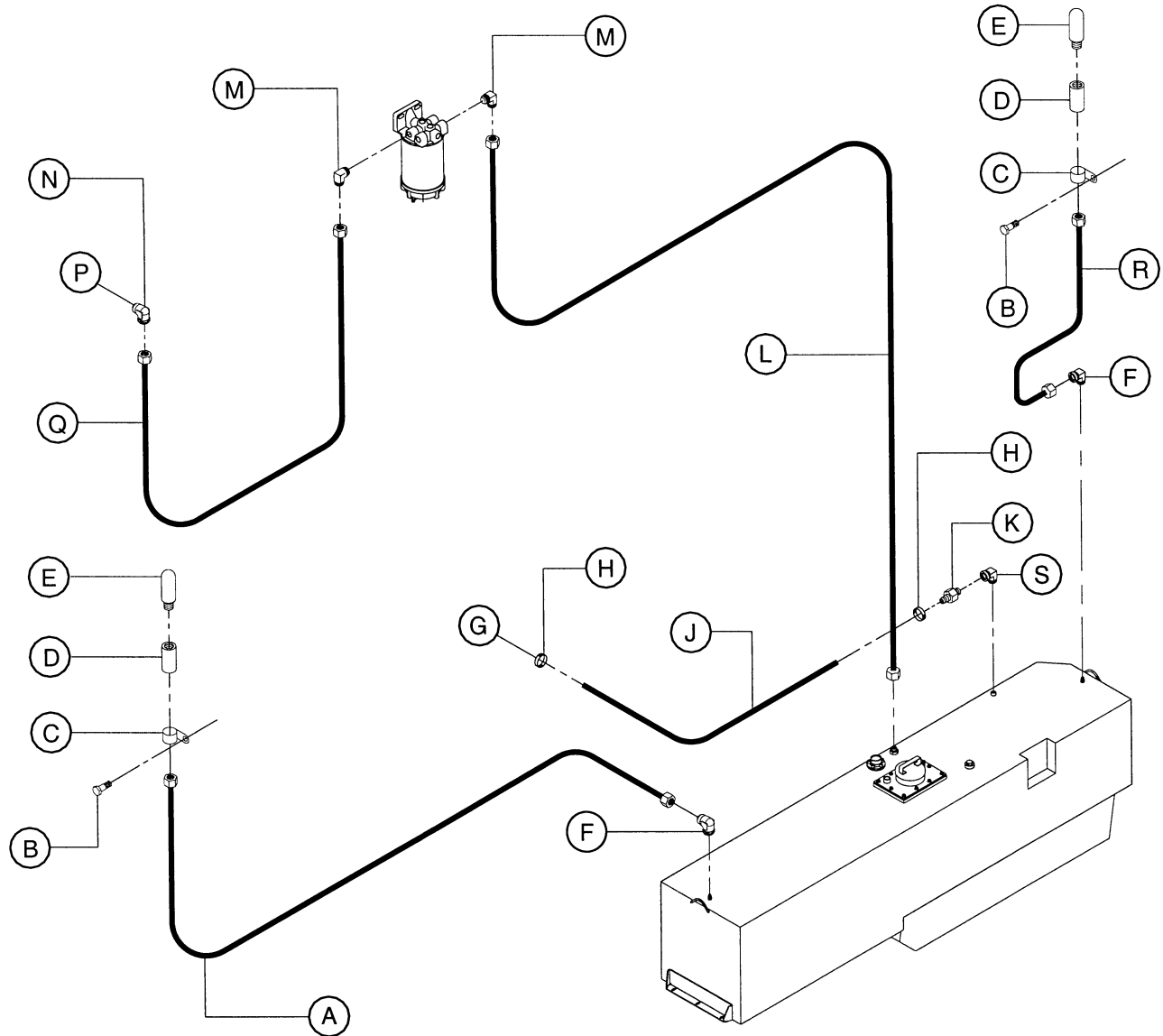
The diagram illustrates the assembly of a fuel tank. The main assembly includes a fuel tank (A) with a fuel sender (H) and a fuel cap (G). A fuel strainer (F) is located at the top. A fuel flange (D) with a gasket (B) is also shown. A fuel sender gasket (C) is used for the sender. Screws (E) and a vent plug (J) are also indicated. An inset diagram shows a fuel separator/water separator assembly with a bowl kit (54443676), an element (22201388), a filter head (54443700), an O-ring (54443668), and a vent plug (54443692). The separator is connected to the fuel tank via a line (P) and has a vent (M) and a nut (K).

ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22160121	1	TANK , FUEL				
B	35389964	1	GASKET , FLANGE FILL				
C	35361849	1	GASKET , FUEL SENDER				
D	35389972	1	FLANGE , FILL				
E	35144328	10	SCREW				
F	36845022	1	STRAINER , FUEL				
G	36845014	1	CAP , FUEL				
H	22155451	1	SENDER , FUEL				
J	36842102	5	SCREW				
K	36881886	2	NUT				
L	36889608	6	SCREW				
M	35271162	2	SCREW				
N	95934998	2	WASHER				
P	22318059	1	SEPARATOR , FUEL WATER				
	54443676	1	KIT , BOWL				
	22201388	1	ELEMENT				
	54443700	1	HEAD , FILTER				
	54443668	1	O-RING				
	54443692	1	PLUG , VENT				

MANUAL NO. — DRAWING NO. DATE / REV:
22330252 18 11/03 A

MANUAL NO. --- DRAWING NO. DATE / REV:
22330252 18 11/03 A

FUEL TANK PIPING



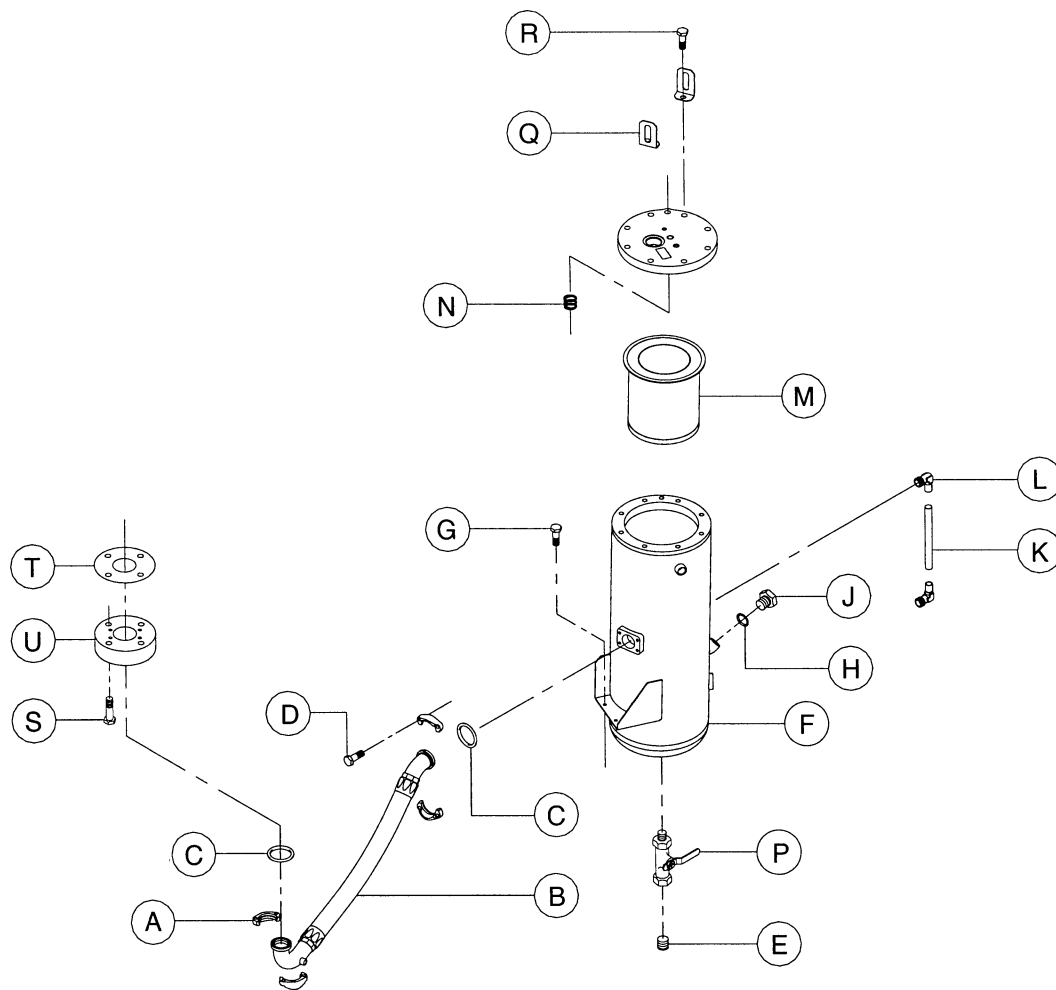
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35283019	1	FRONT VENT HOSE ASSEMBLY				
B	35279025	1	SCREW				
C	35225093	2	CLAMP				
D	35287143	2	CONNECTOR				
E	35322395	2	SILENCER				
F	35283068	2	ELBOW				
G			TO RETURN AT FUEL PUMP				
H	95264776	1	CLAMP				
J	35285600	1	HOSE (88 INCHES)				
K	35310598	1	FITTING , BARBED				
L	35283308	1	HOSE ASSEMBLY				
M	35283118	1	ELBOW				
N	35309210	1	ELBOW				
P			TO ENGINE FUEL PUMP				
Q	35310234	1	HOSE ASSEMBLY				
R	36844074	1	REAR VENT HOSE ASSEMBLY				
S	95414710	1	ELBOW				

This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or motor. The parts are labeled as follows:

- Top Section:** Includes a curved pipe (S), a flange (R), a nut (Q), a washer (N), a large cylindrical housing (P), a smaller cylindrical component (F), and a cap (E). A bracket (A, B, C) is shown at the bottom.
- Bottom Section:** Features a complex assembly of parts including a motor or actuator (M), a bracket (L), a nut (K), a washer (J), a flange (Y), a small pin (H), a screw (G), and a cap (F).
- Right Section:** Shows a series of components including a bracket (A1, V), a plate (A1, W), a bracket (A1, X), a bracket (A1, D), and a bracket (A1, D).

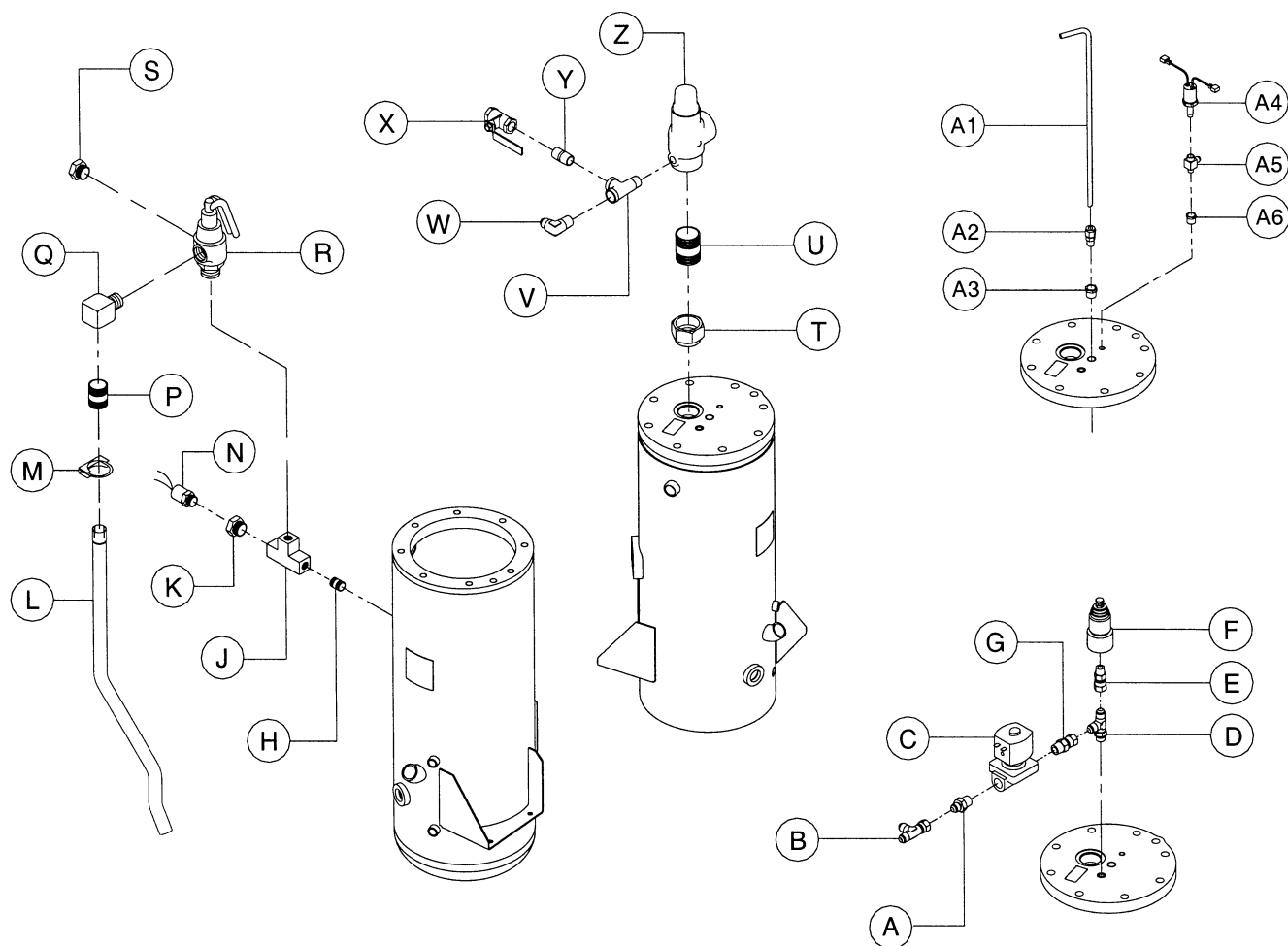
MANUAL NO. — DRAWING NO. DATE / REV:
22330252 20 11/03 A

SEPARATOR TANK ASSEMBLY



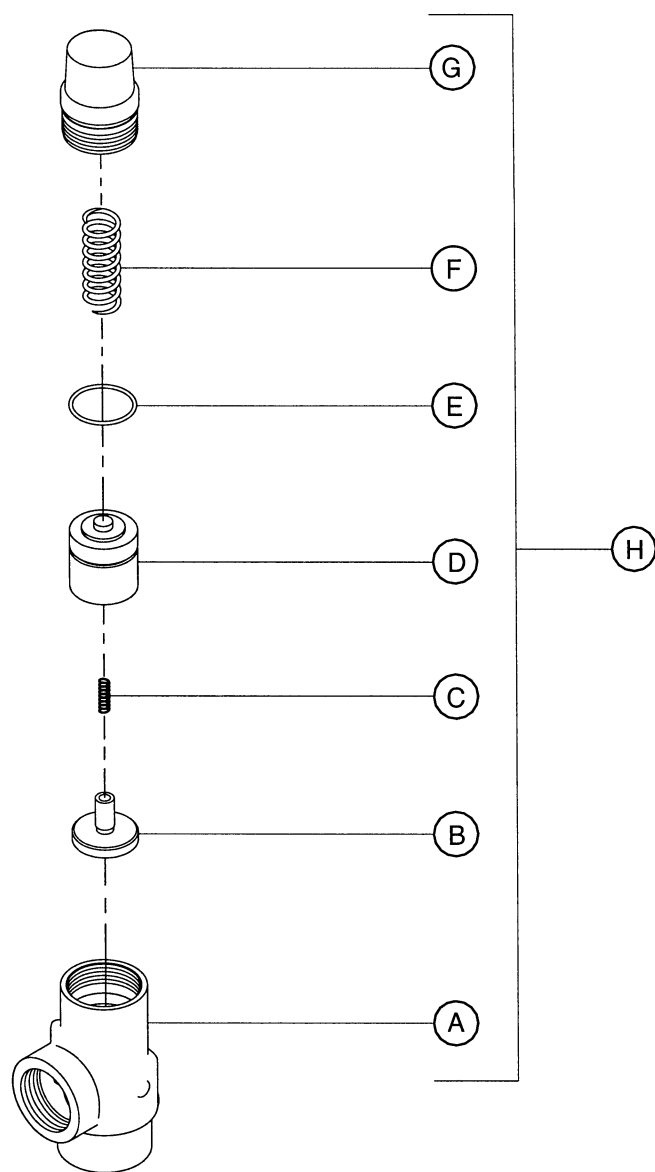
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	36866010	4	FLANGE , SPLIT				
B	22176572	1	HOSE , DISCHARGE				
C	36866028	2	O-RING				
D	96702329	8	SCREW				
E	95280541	1	PLUG (HIGH SPEED RUNNING GEAR)				
F	22188205	1	TANK , SEPARATOR (INCLUDES COVER)				
G	36879492	4	SCREW				
H	35279942	1	O-RING				
J	35579630	1	PLUG , FILLER				
K	22189831	1	TUBE , SIGHT				
L	54627799	2	ELBOW				
M	22291280	1	ELEMENT , SEPARATOR				
N	35602325	1	SPRING				
P	36795680	1	VALVE , BALL (STEERABLE RUNNING GEAR)				
Q	22326763	2	BRACKET , LIFT				
R	96727276	9	SCREW				
S	39179072	4	SCREW				
T	36898492	1	GASKET				
U	36898500	1	ADAPTER , FLANGE				

SEPARATOR TANK PIPING



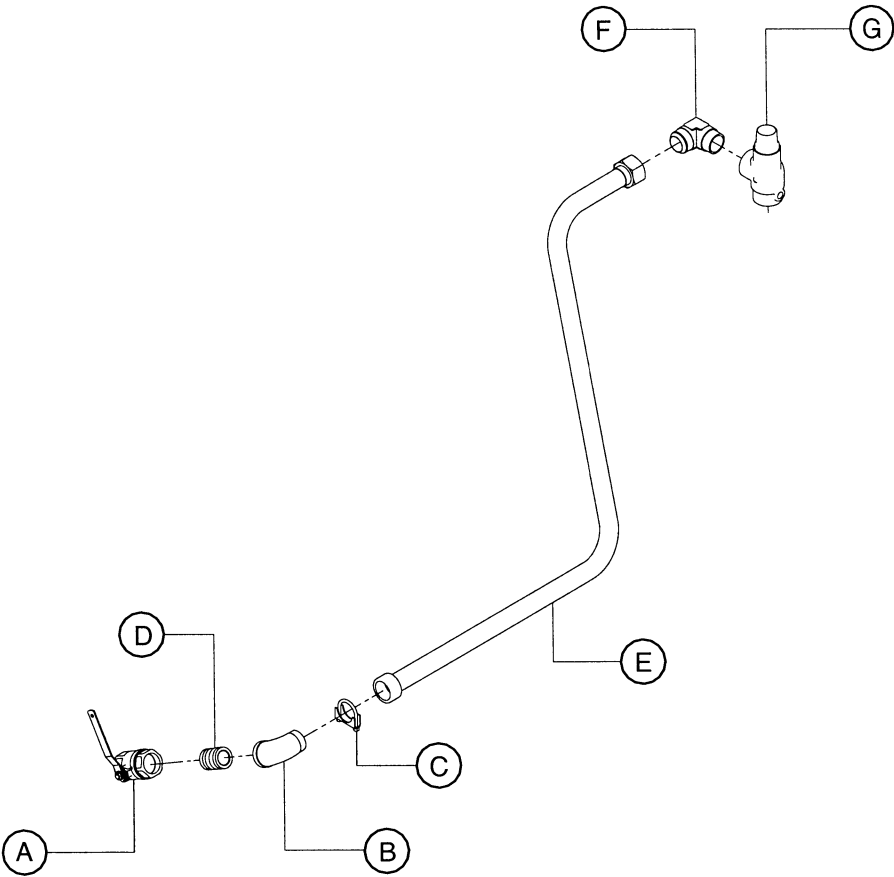
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35290147	1	CONNECTOR	W	35309210	1	ELBOW
B	35283092	1	TEE	X	35581792	1	VALVE , BALL
C	36840841	1	VALVE , SOLENOID	Y	95934279	1	NIPPLE
D	35279850	1	TEE	Z	22217848	1	VALVE , MIN. PRESS.
E	35367846	1	CONNECTOR	A1	36794147	1	TUBE , SCAVENGE
F	36854149	1	REGULATOR (XP UNITS)	A2	35329309	1	FITTING , TUBE
	36854495	1	REGULATOR (HP UNITS)	A3	95953956	1	ADAPTER
	36854149	1	REG. (9 BAR UNITS)	A4	36757573	1	SWITCH , PRESSURE
G	35368927	1	CONNECTOR	A5	35326503	1	TEE
H	95951422	1	NIPPLE	A6	95953899	1	BUSHING
J	95954228	1	TEE				
K	95940060	1	BUSHING				
L	22352934	1	PIPE , SAFETY VALVE				
M	35261155	1	CLAMP				
N	36865756	1	SWITCH , TEMPERATURE				
P	95953758	1	NIPPLE				
Q	95944104	1	ELBOW				
R	39227541	1	VALVE , SAFETY				
S	95928230	1	PLUG				
T	95944641	1	ADAPTER				
U	95953790	1	NIPPLE				
V	95944708	1	TEE				

MINIMUM PRESSURE CHECK VALVE ASSEMBLY



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22218424	1	BODY , VALVE				
B	35367317	1	CV ASSEMBLY				
C	22218457	1	SPRING , SMALL				
D	35367325	1	VALVE , PISTON				
E	35367374	1	O-RING				
F	35367366	1	SPRING , LARGE				
G	22218432	1	CAP , VALVE				
H	22217848	1	MINIMUM PRESSURE CHECK VALVE ASSEMBLY				
—	22218622	1	CHECK VALVE KIT (INCLUDES ITEMS B , C , E & F)				

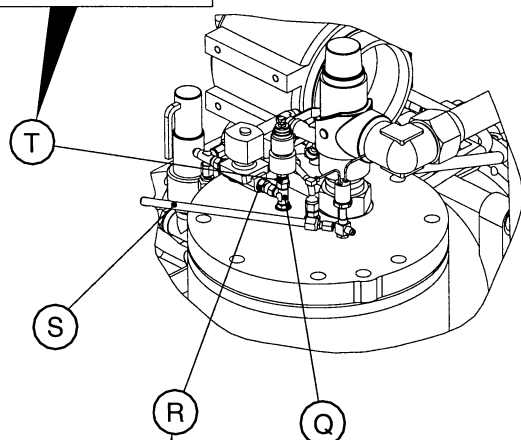
SERVICE PIPING (ONE 2" NPT VALVE)



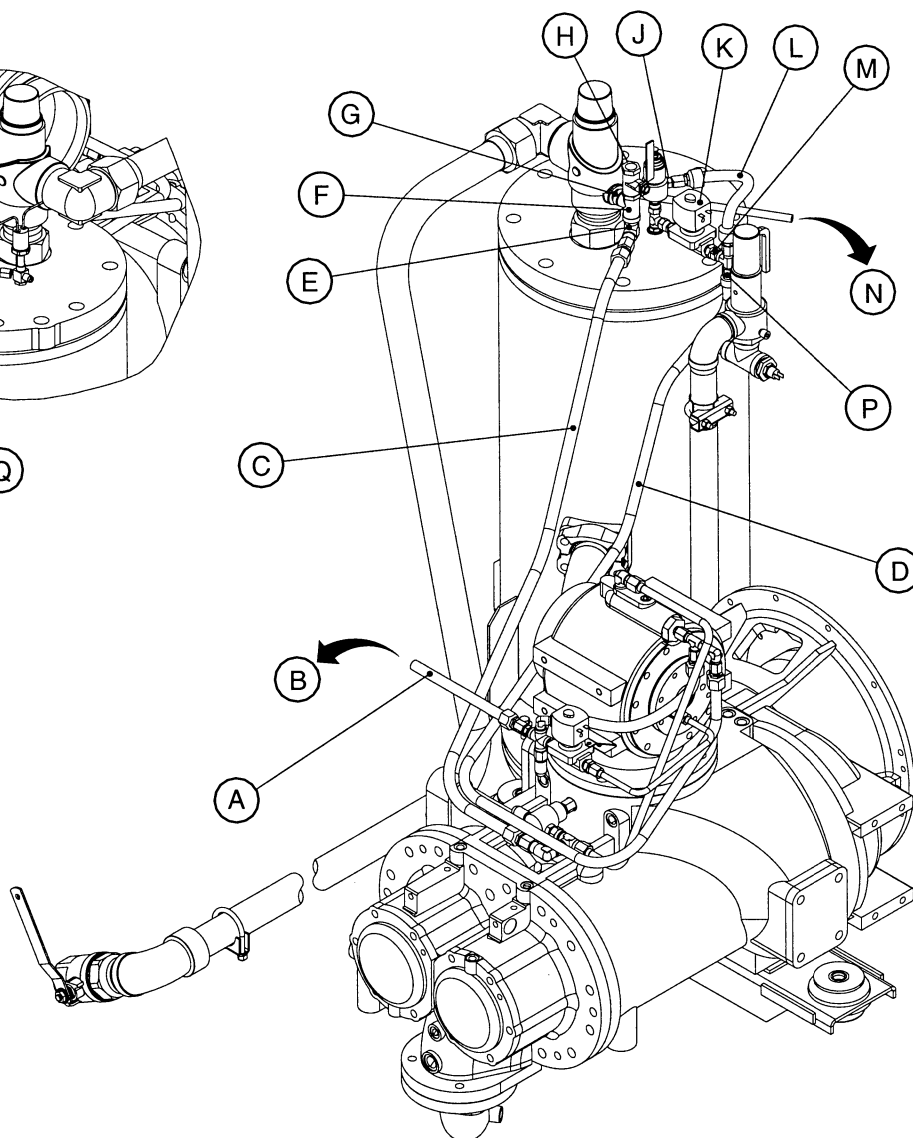
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35602473	1	VALVE , BALL				
B	95944674	1	ELBOW				
C	35192178	1	CLAMP , SADDLE				
D	95097291	1	NIPPLE				
E	22223846	1	PIPE , SERVICE				
F	36786127	1	ELBOW				
G	22217848	1	VALVE , MINIMUM PRESSURE				

AIR PIPING

TO INLET OF
PRESS. REGULATOR

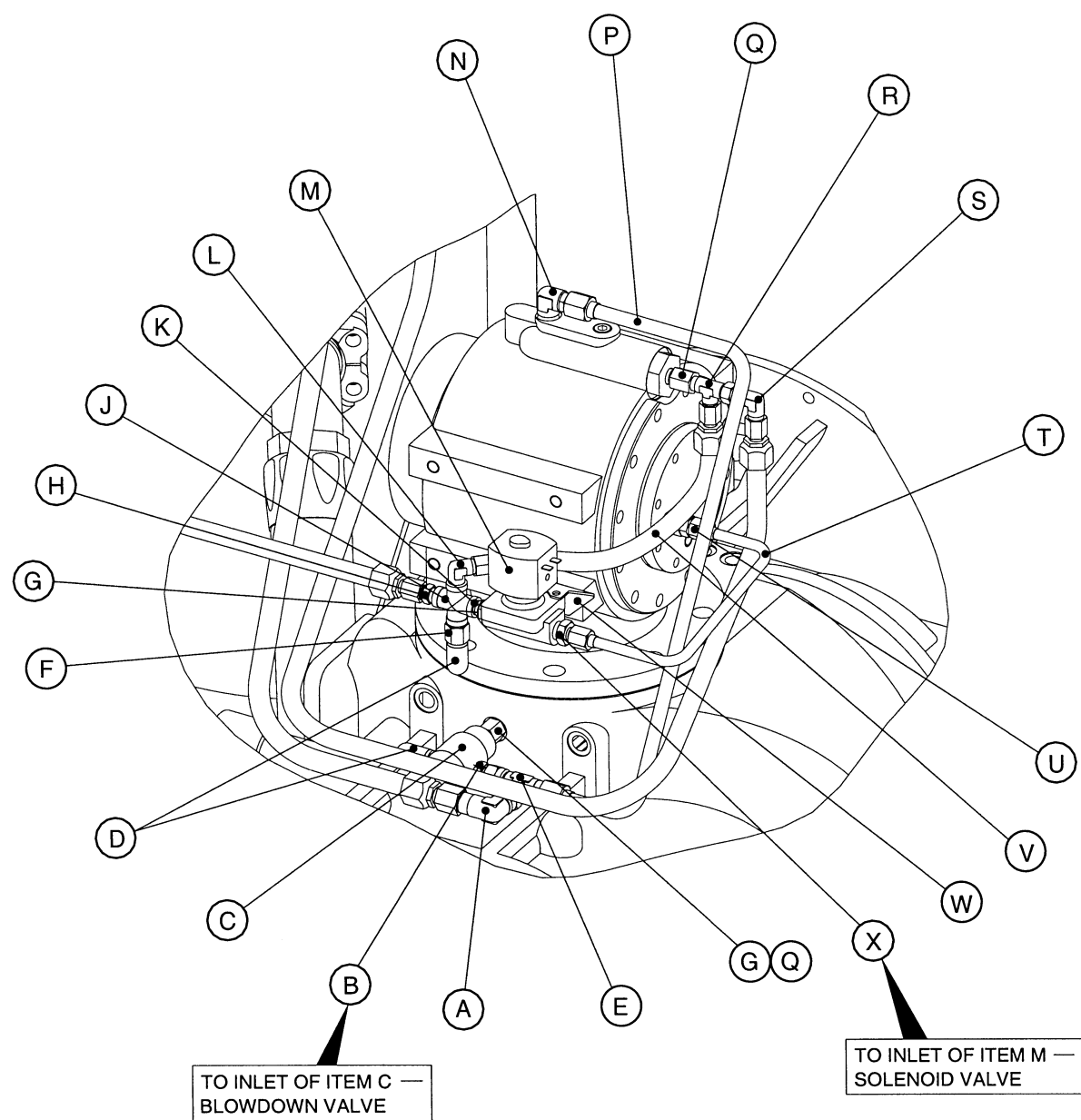


TO INLET OF ITEM K —
SOLENOID VALVE



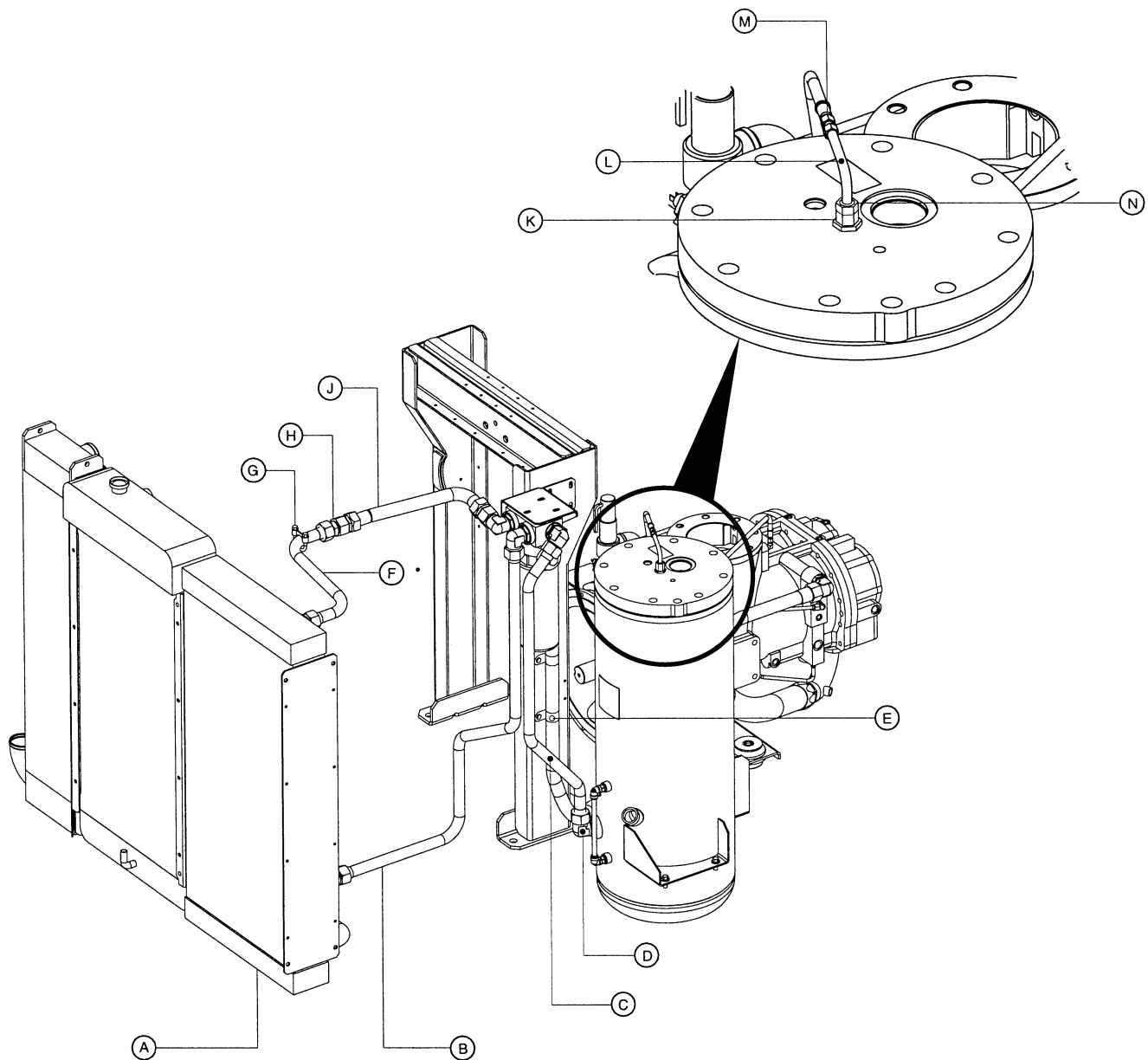
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35289578	1	HOSE ASSEMBLY	Q	35279850	1	TEE
B	TO ENGINE AIR CYLINDER			R	35368927	1	FITTING , SWIVEL
C	35286541	1	HOSE ASSEMBLY	S	35306661	1	HOSE ASSEMBLY
D	35284538	1	HOSE ASSEMBLY	T	35367846	1	CONNECTOR
E	35309210	1	ELBOW				
F	95944708	1	TEE				
G	95934279	1	NIPPLE				
H	35581792	1	VALVE , BALL				
J	35284082	1	CONNECTOR				
K	36840841	1	VALVE , SOLENOID				
L	35282953	1	HOSE ASSEMBLY				
M	35290147	1	CONNECTOR				
N	TO INSTRUMENT PANEL PRESSURE GAGE						
P	35283092	1	TEE				

AIR PIPING



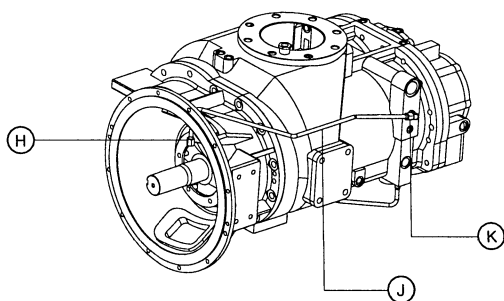
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35287911	1	ELBOW	P	35857176	1	TUBE ASSEMBLY
B	35283134	1	CONNECTOR	Q	35302314	2	ADAPTER
C	35322379	1	VALVE , BLOWDOWN	R	35283050	1	TEE
D	35322395	2	SILENCER	S	35283068	1	ELBOW
E	35287929	1	TEE	T	36867554	1	TUBE ASSEMBLY
F	35322346	1	ORIFICE (.156")	U	36840460	1	VALVE , CHECK (.040")
G	95944575	2	NIPPLE	V	35282961	1	HOSE ASSEMBLY
H	35284082	1	CONNECTOR	W	36841658	1	BRACKET
J	95954293	1	CROSS	X	35290147	1	CONNECTOR
K	95940748	1	BUSHING				
L	35279934	1	ELBOW				
M	36881944	1	VALVE , SOLENOID				
N	35287937	1	ELBOW				

OIL PIPING

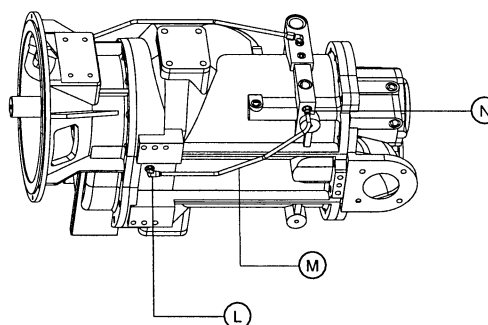


ITEM	CPN	QTY	DESCRIPTION
A	22155592	1	COOLER , OIL
B	22214787	1	TUBE ASSEMBLY
C	22214803	1	TUBE ASSEMBLY
D	35279777	1	ELBOW
E	35114057	3	CLAMP
F	22214779	1	TUBE ASSEMBLY
G	36785277	1	CLAMP , SADDLE
H	95469052	1	UNION
J	35228212	1	HOSE ASSEMBLY
K	95953956	1	REDUCER
L	36794147	1	TUBE , SCAVANGE
M	36840411	1	VALVE , CHECK
N	35329309	1	FITTING , LENZ

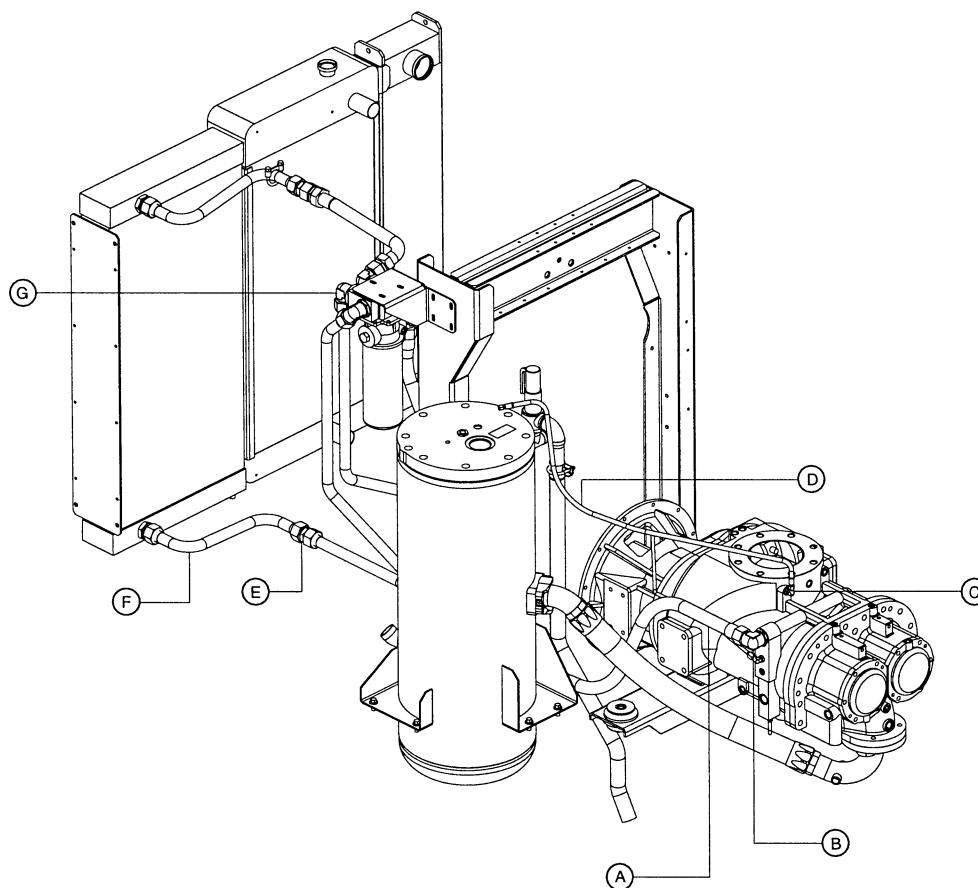
OIL PIPING



LEFT SIDE VIEW

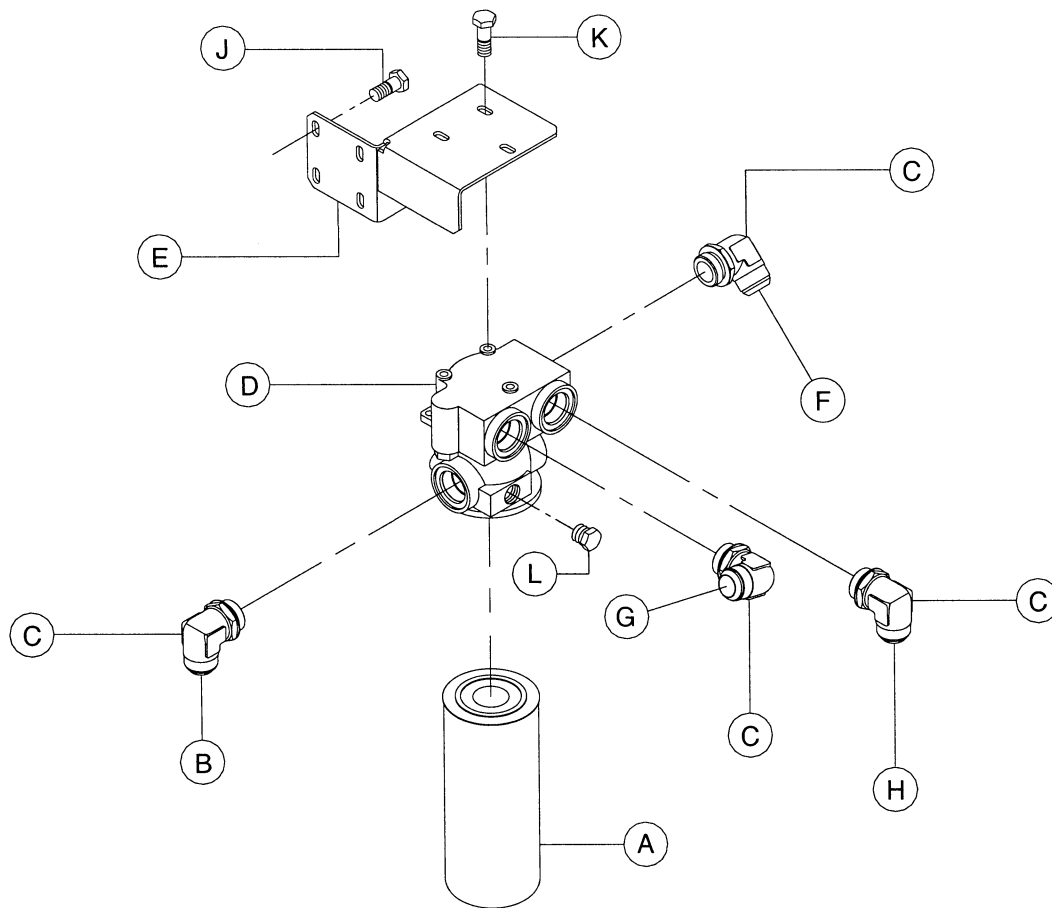


BOTTOM VIEW



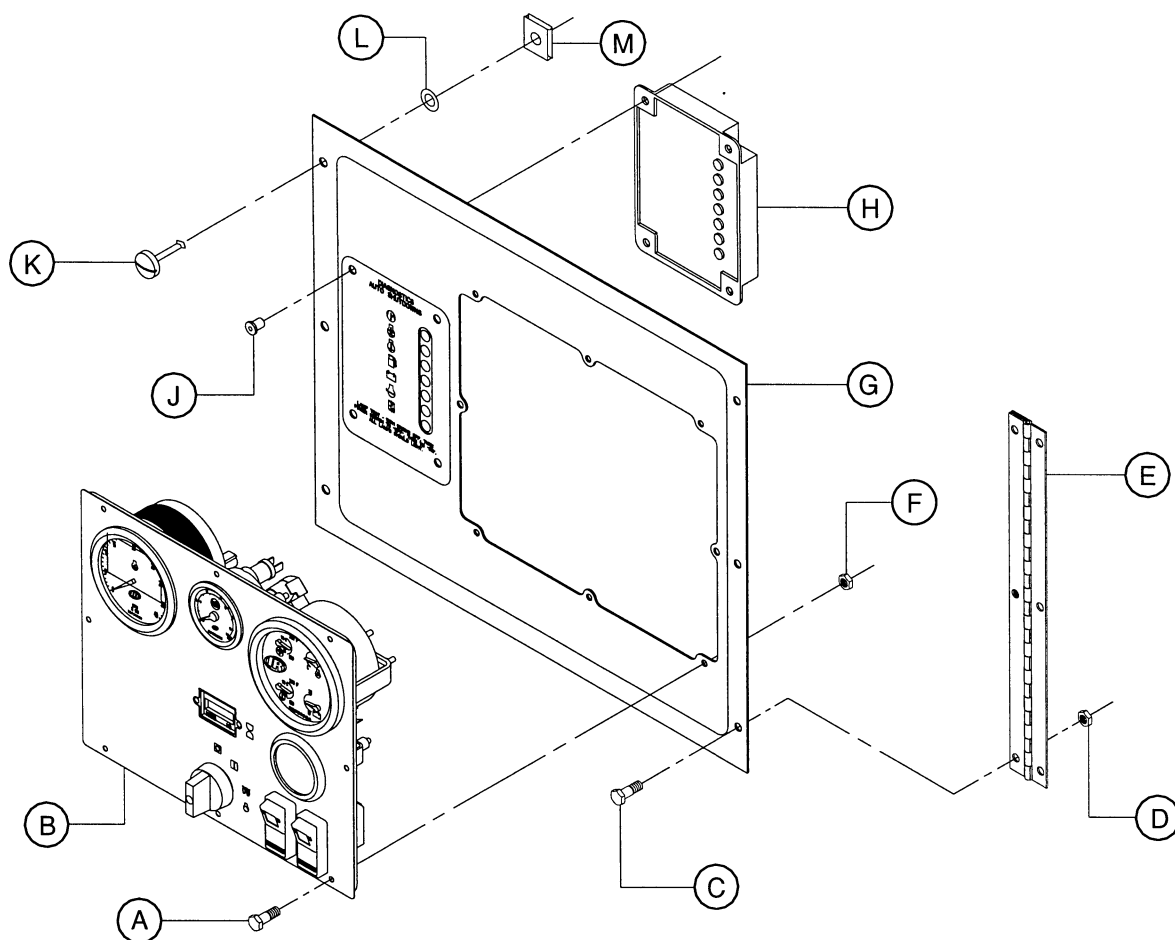
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22279772	1	HOSE ASSEMBLY	H	36866564	1	ELBOW
B	39476973	1	ELBOW	J	39911284	1	TUBE ASSEMBLY
C	95365094	1	ELBOW	K	95959730	1	ELBOW
D	35322494	1	HOSE ASSEMBLY	L	35279827	1	ELBOW
E	95469052	1	UNION	M	39911292	1	TUBE
F	22214779	1	TUBE ASSEMBLY	N	95974663	1	CONNECTOR
G	35279777	4	ELBOW				

COMPRESSOR OIL FILTER



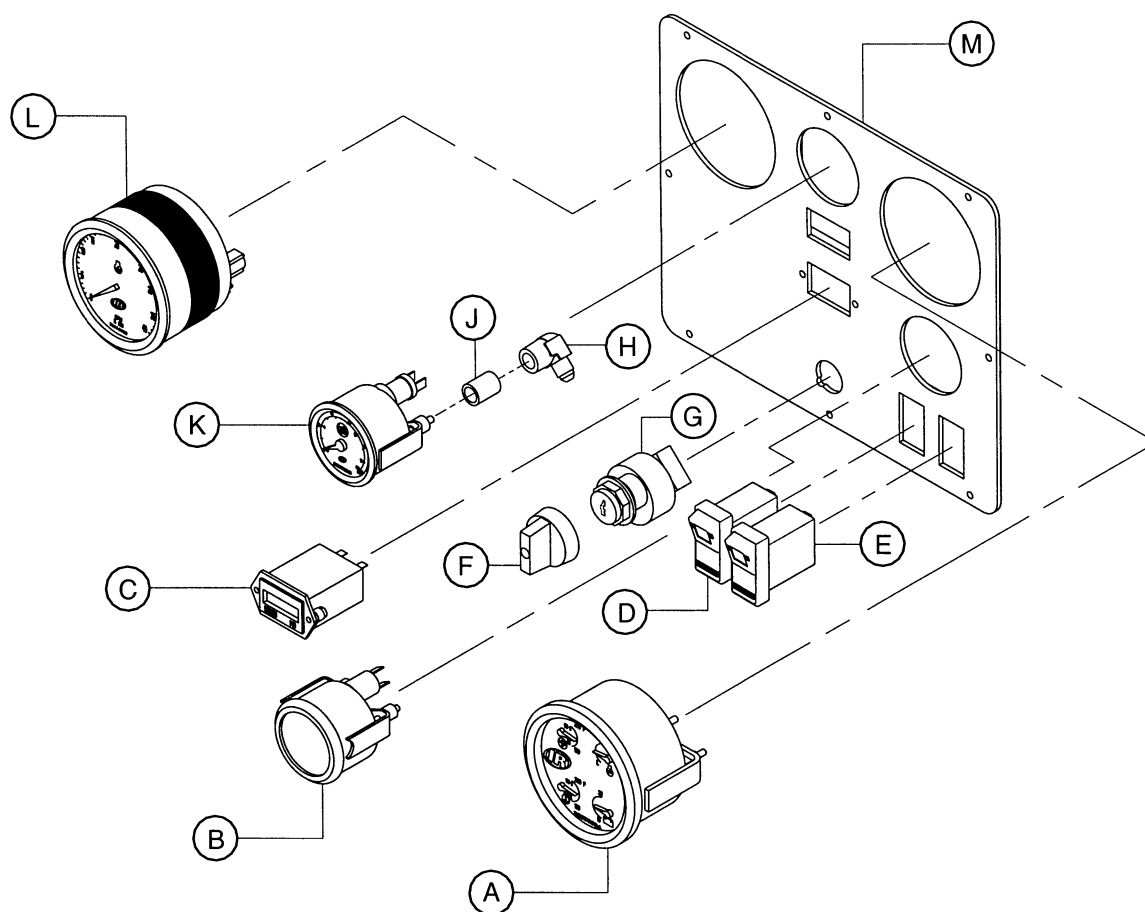
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	36897346	1	ELEMENT , FILTER				
B	TO AIR END						
C	35279777	4	ELBOW				
D	36871689	1	HEAD , OIL FILTER				
	35388024	1	RELEIF VALVE KIT (SPRING , BALL & PLUNGER)				
	35388032	1	THERMOSTAT (WITH O-RINGS)				
	35388040	1	O-RING KIT				
E	22213037	1	BRACKET				
F	TO BOTTOM OF SEPARATOR TANK						
G	TO TOP OF OIL COOLER						
H	TO BOTTOM OF OIL COOLER						
J	35279025	4	SCREW				
K	96701479	3	SCREW				
L	95938965	1	PLUG				

INSTRUMENT / CONTROL PANEL ASSEMBLY



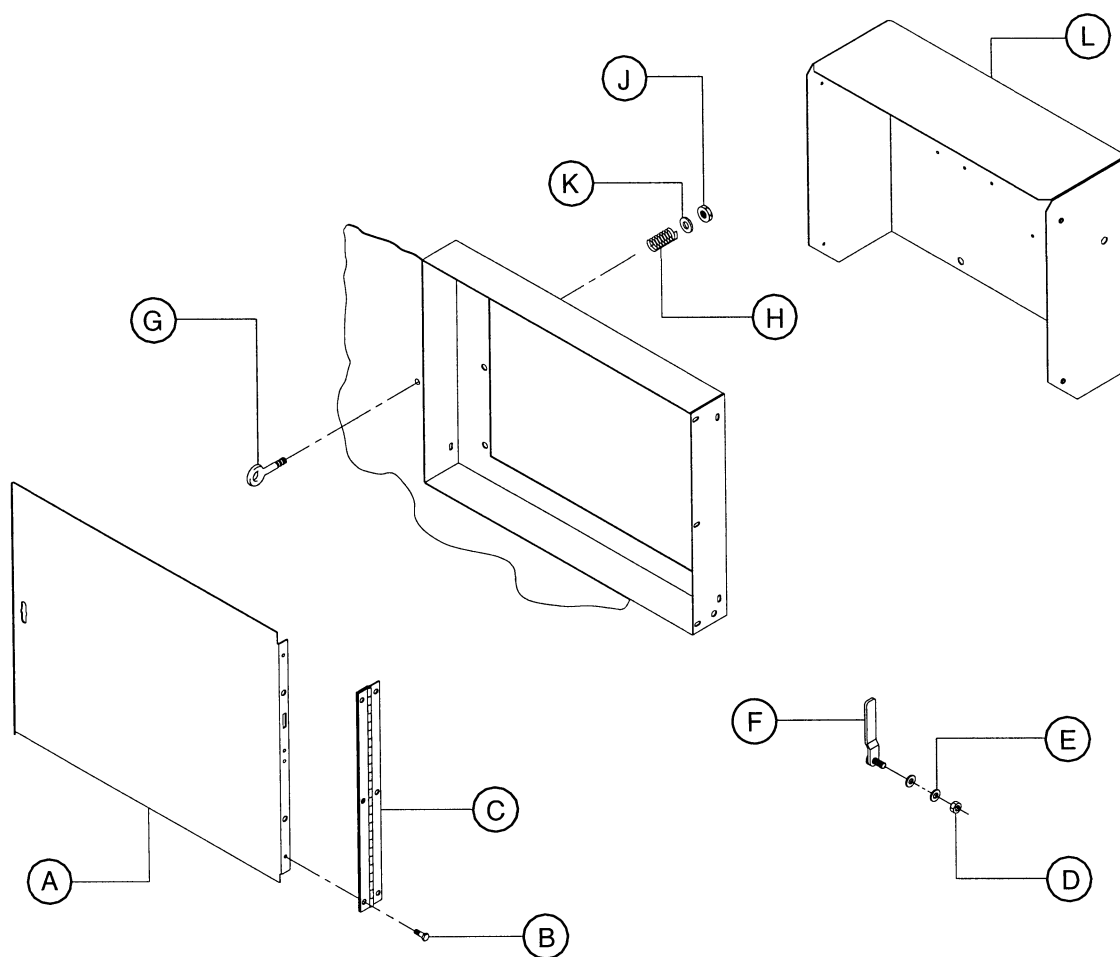
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	95942553	8	SCREW				
B	22298350	1	INSTRUMENT PANEL ASSEMBLY				
C	36898096	6	SCREW				
D	36898104	6	NUT				
E	36845725	1	HINGE				
F	95942637	8	NUT				
G	22299077	1	PANEL , MODULE INSTRUMENT				
H	36771434	1	MODULE , 7 LIGHT DIAGNOSTICS				
J	36775484	4	NUT , PLASTIC				
K	36844124	3	SCREW , 1/4 TURN				
L	35369180	3	RETAINER				
M	35314582	3	CLIP				

INSTRUMENT / CONTROL PANEL



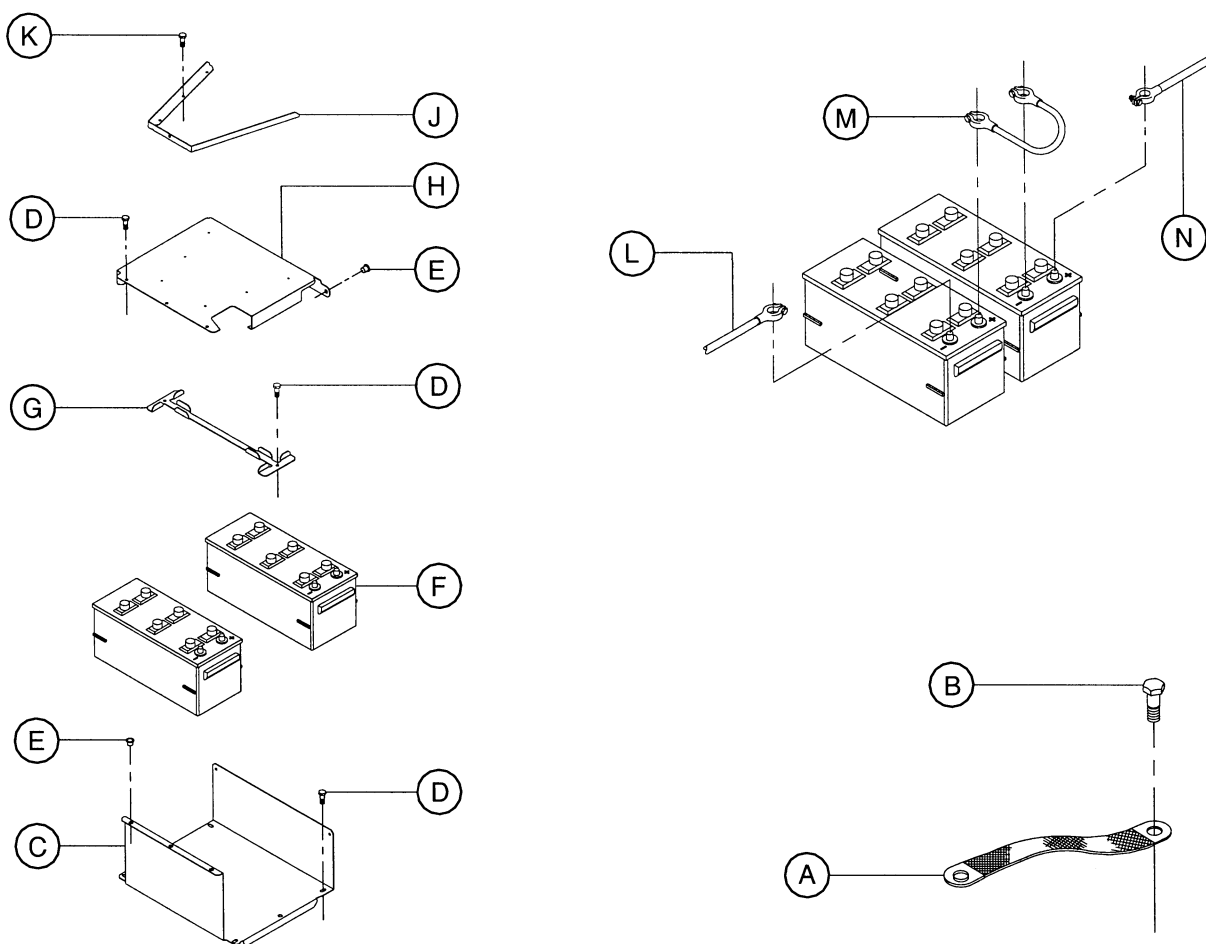
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22056394	1	GAGE , 4 IN 1				
B	22050991	1	GAGE , FUEL LEVEL				
C	22054175	1	METER , HOUR				
	22054159	2	NUT , PLASTIC				
D	22054092	1	SWITCH , WARM-UP				
E	22054068	1	SWITCH , ETHER				
F	22134118	1	KNOB ASSEMBLY				
G	22127385	1	SWITCH , START				
H	35306687	1	ELBOW				
J	95935599	1	COUPLING				
K	36891216	1	GAGE , 200 PSI PRESSURE				
L	22055883	1	TACHOMETER				
M	22171680	1	PANEL , INSTRUMENT				
—	22286348	1	PANEL HARNESS				

INSTRUMENT PANEL DOOR ASSEMBLY



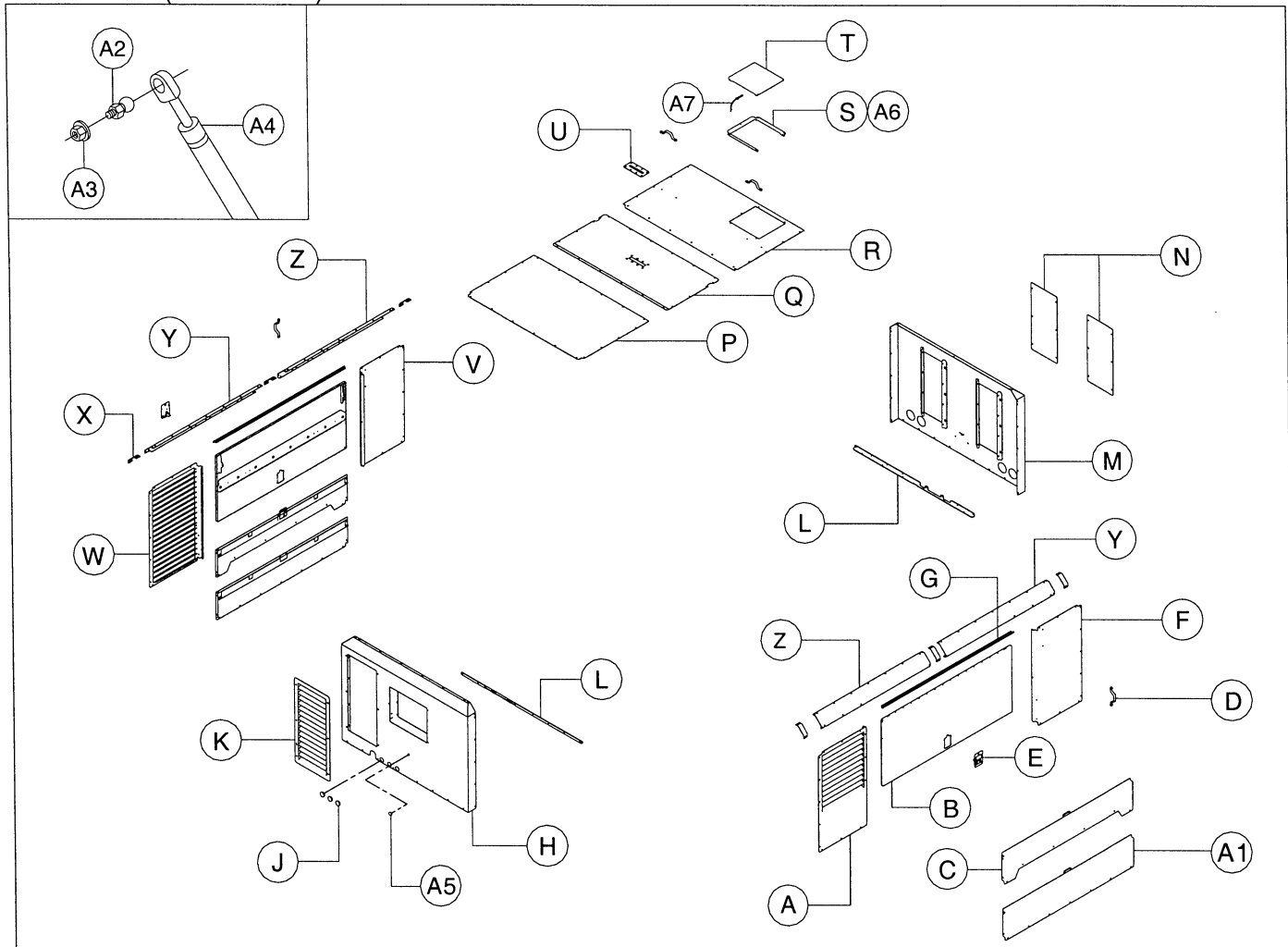
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22300230	1	DOOR , INSTRUMENT PANEL				
B	92368687	6	SCREW				
C	36845733	1	HINGE				
D	35273366	1	NUT				
E	95935037	2	WASHER				
F	35603349	1	STOP , DOOR				
G	35327303	1	EYEBOLT				
H	35327311	1	SPRING				
J	95923314	1	NUT				
K	95934998	1	WASHER				
L	22297865	1	BOX , INSTRUMENT PANEL				
	92368687	4	SCREW				

BATTERY AND MOUNTING



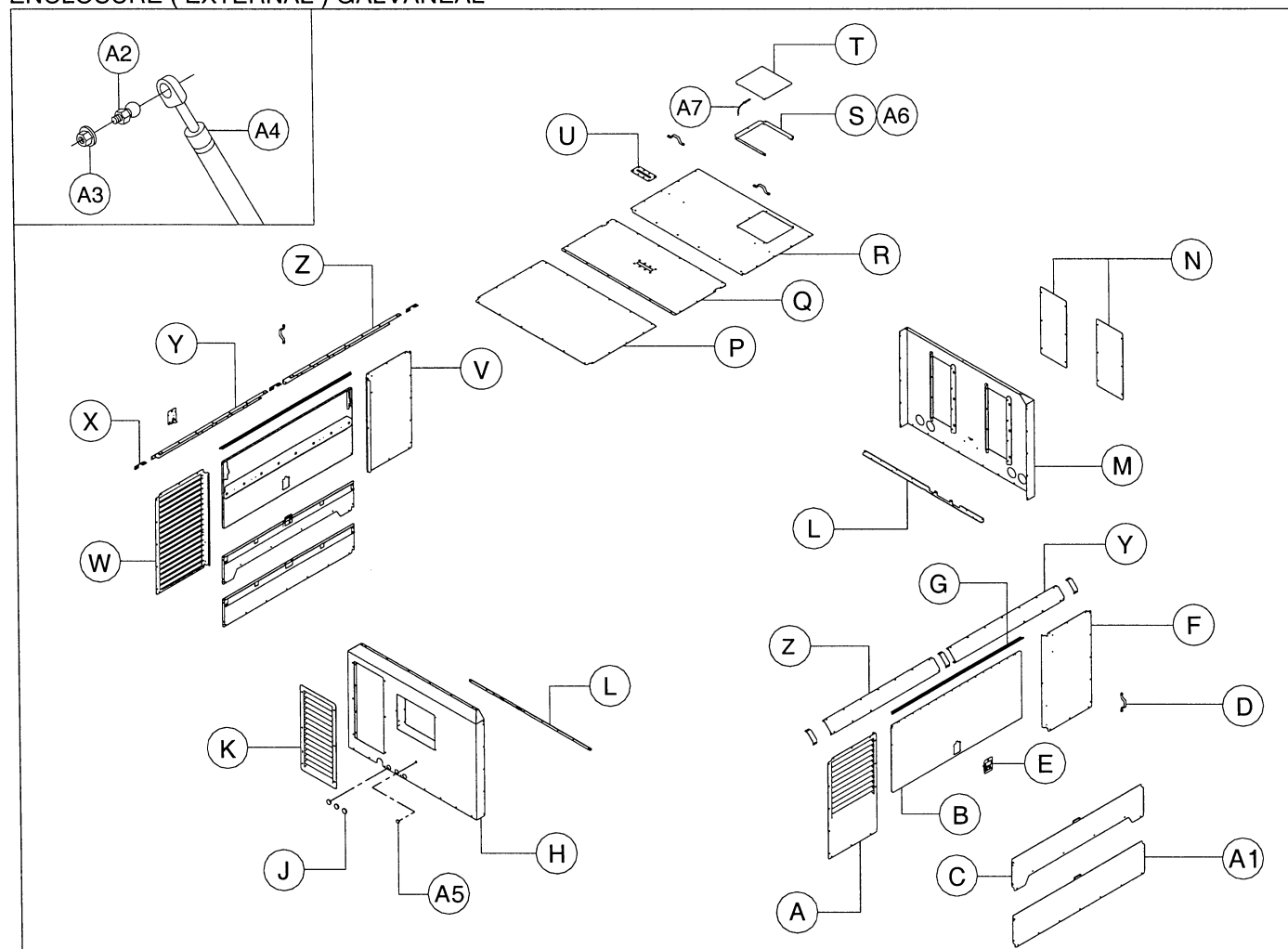
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35578194	1	14" STARTER TO ENG. GROUND STRAP				
	35293075	1	10" STARTER TO FRAME GROUND STRAP				
B	96719869	1	SCREW (TO ENGINE BLOCK)				
C	22252811	1	TRAY , BOTTOM BATTERY				
D	35279025	11	SCREW				
E	36895746	7	NUTSERT				
F	36793545	2	BATTERY				
G	22253892	1	SPACER , BATTERY				
H	22252829	1	TRAY , TOP				
J	22254981	1	BRACE , TOP TRAY				
K	36797652	6	SCREW				
L	36780609	1	CABLE , NEGATIVE				
M	35598986	1	CABLE , JUMPER				
N	35582410	1	CABLE , POSITIVE				

ENCLOSURE (EXTERNAL)



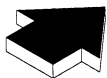
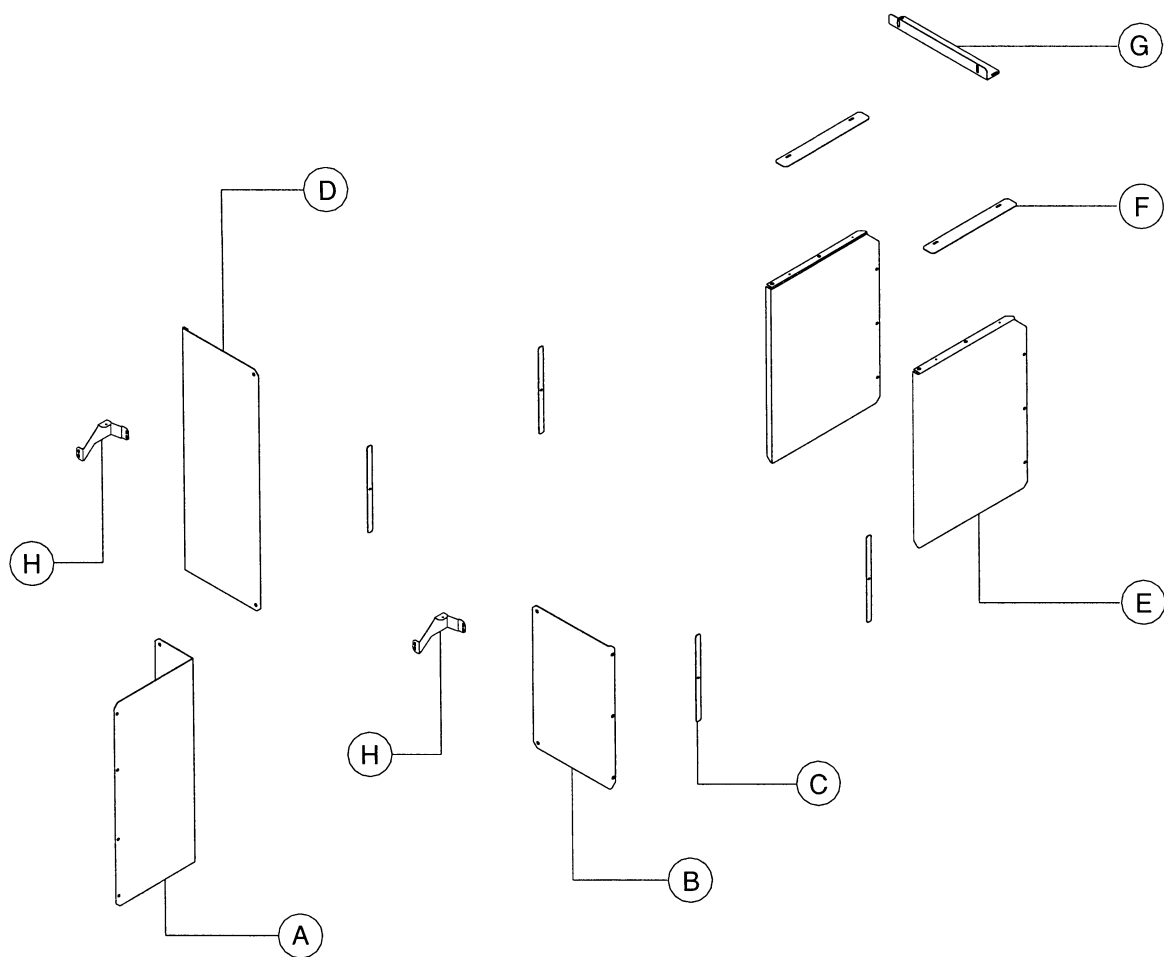
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22201578	1	GRILL , LEFT FRONT	S	22243307	1	FRAME , DOOR
B	22211163	2	DOOR , SIDE	T	22243273	1	DOOR
C	22208284	2	PANEL , HSRG ONLY	U	22208946	1	COVER , LIFT BAIL
D	35130707	4	HANDLE	V	22197495	1	PANEL , RIGHT REAR
	96702659	8	SCREW	W	22203681	1	GRILL , RIGHT FRONT
	36769743	8	NUT	X	36755742	6	FILLER , SIDE RAIL
E	36793602	2	LATCH ASSEMBLY	Y	22198188	2	RAIL , TOP SIDE
	36794816	8	RIVET	Z	22198444	2	RAIL , TOP SIDE
F	22197818	1	PANEL , LEFT REAR	A1	22244255	2	PANEL , STEER. ONLY
G	92912419	2	HINGE , DOOR	A2	35337328	8	STUD
H	22202048	1	PANEL , FRONT END	A3	36881886	8	NUT
J	35310622	3	PLUGS , HOLE	A4	36844355	4	SPRING , GAS
K	22202063	1	GRILL , FRONT END	—	22068373	2	SEAL , DOOR
L	22207930	2	BRACE , END PANEL	—	36895746	—	NUTSERT
M	22197479	1	PANEL , REAR END	—	35279025	—	SCREW , 8MM
N	22300248	2	COVER , END PANEL	—	36797652	—	SCREW , 6MM
P	22208300	1	PANEL , FRONT TOP	A5	22312599	1	PLUG
Q	22237564	1	PANEL , TOP MIDDLE	A6	95934873	2	SCREW , SHOULDER
R	22199020	1	PANEL , TOP REAR		95935029	2	WASHER
					95931564	2	NUT
				A7	35278720	1	PIN

ENCLOSURE (EXTERNAL) GALVANEAL



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22201578	1	GRILL , LEFT FRONT	S	22243299	1	FRAME , DOOR
B	22211171	2	DOOR , SIDE	T	22243281	1	DOOR
C	22208292	2	PANEL , HSRG ONLY	U	22208953	1	COVER , LIFT BAIL
D	35130707	4	HANDLE	V	22197503	1	PANEL , RIGHT REAR
	96702659	8	SCREW	W	22203681	1	GRILL , RIGHT FRONT
	36769743	8	NUT	X	36755742	6	FILLER , SIDE RAIL
E	36793602	2	LATCH ASSEMBLY	Y	22198196	2	RAIL , TOP SIDE
	36794816	8	RIVET	Z	22198451	2	RAIL , TOP SIDE
F	22197826	1	PANEL , LEFT REAR	A1	22244636	2	PANEL , STEER. ONLY
G	92912419	2	HINGE , DOOR	A2	35337328	8	STUD
H	22202055	1	PANEL , FRONT END	A3	36881886	8	NUT
J	35310622	3	PLUGS , HOLE	A4	36844355	4	SPRING , GAS
K	22202063	1	GRILL , FRONT END	—	22068373	2	SEAL , DOOR
L	22207930	2	BRACE , END PANEL	—	36895746	—	NUTSERT
M	22197487	1	PANEL , REAR END	—	35279025	—	SCREW , 8MM
N	22300644	2	COVER , END PANEL	—	36797652	—	SCREW , 6MM
P	22208318	1	PANEL , FRONT TOP	—	54413117	2	DECAL , GALVANEAL
Q	22237557	1	PANEL , TOP MIDDLE	A5	22312599	1	PLUG
R	22199038	1	PANEL , TOP REAR	A6	95934873	2	SCREW , SHOULDER
					95935029	2	WASHER
					95931564	2	NUT
				A7	35278720	1	PIN

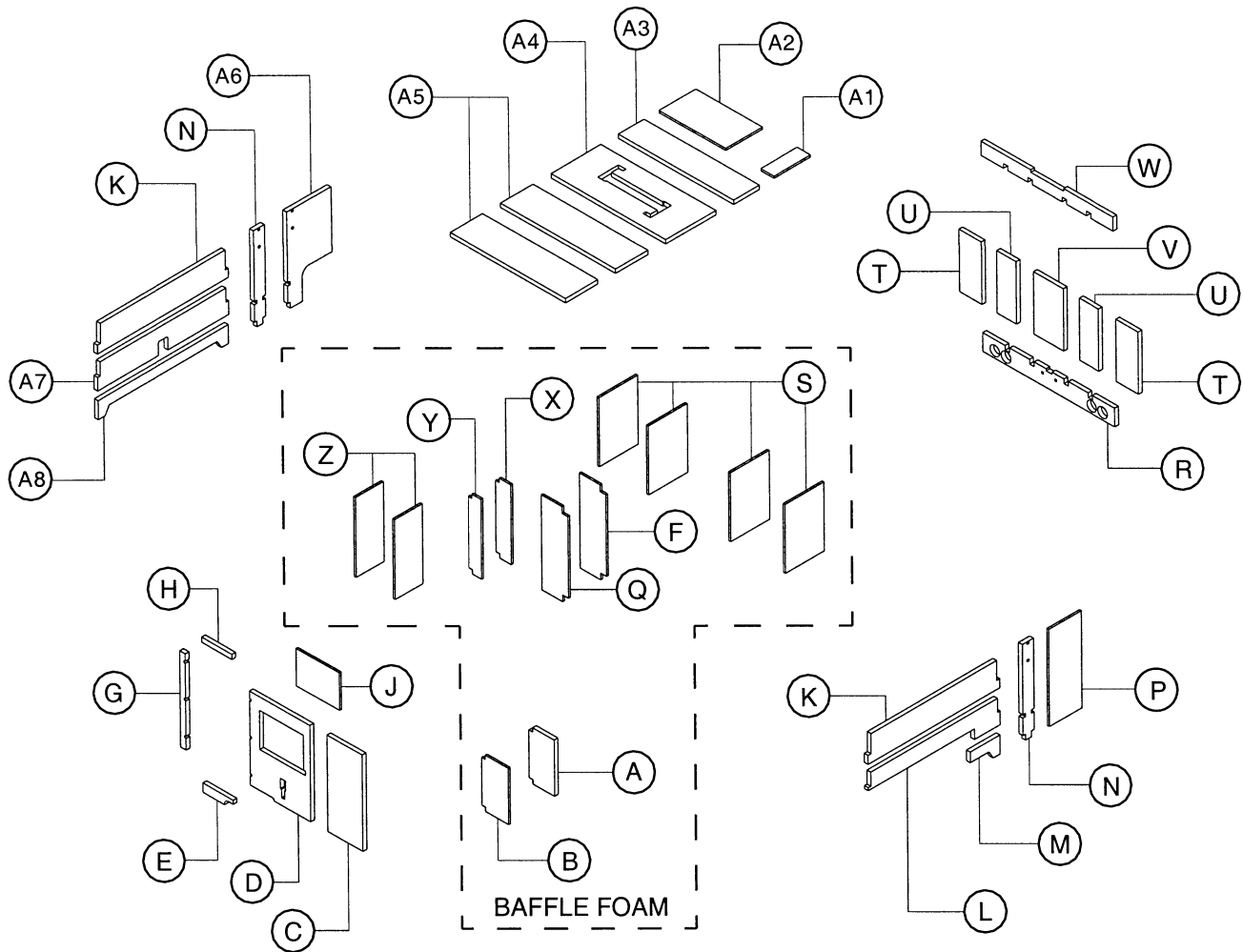
ENCLOSURE BAFFLES



FRONT

ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22301089	1	BAFFLE , FRONT AIR INTAKE				
B	22301097	1	BAFFLE , LEFT FRONT AIR INTAKE				
C	54718184	15	STRAP , FOAM RETENTION (DOORS AND ROOF)				
	54519202	15	SCREW				
D	22301048	1	BAFFLE , RIGHT FRONT AIR INTAKE				
E	22301105	2	BAFFLE , EXHAUST				
F	22301717	2	PLATE , BAFFLE				
G	22301113	1	BRACKET , BAFFLE				
—	36895746	—	NUTSERT				
—	35279025	—	SCREW , 8MM				
—	36797652	—	SCREW , 6MM				
H	22336184	2	BRACKET , INTAKE BAFFLE				

ACOUSTIC FOAM

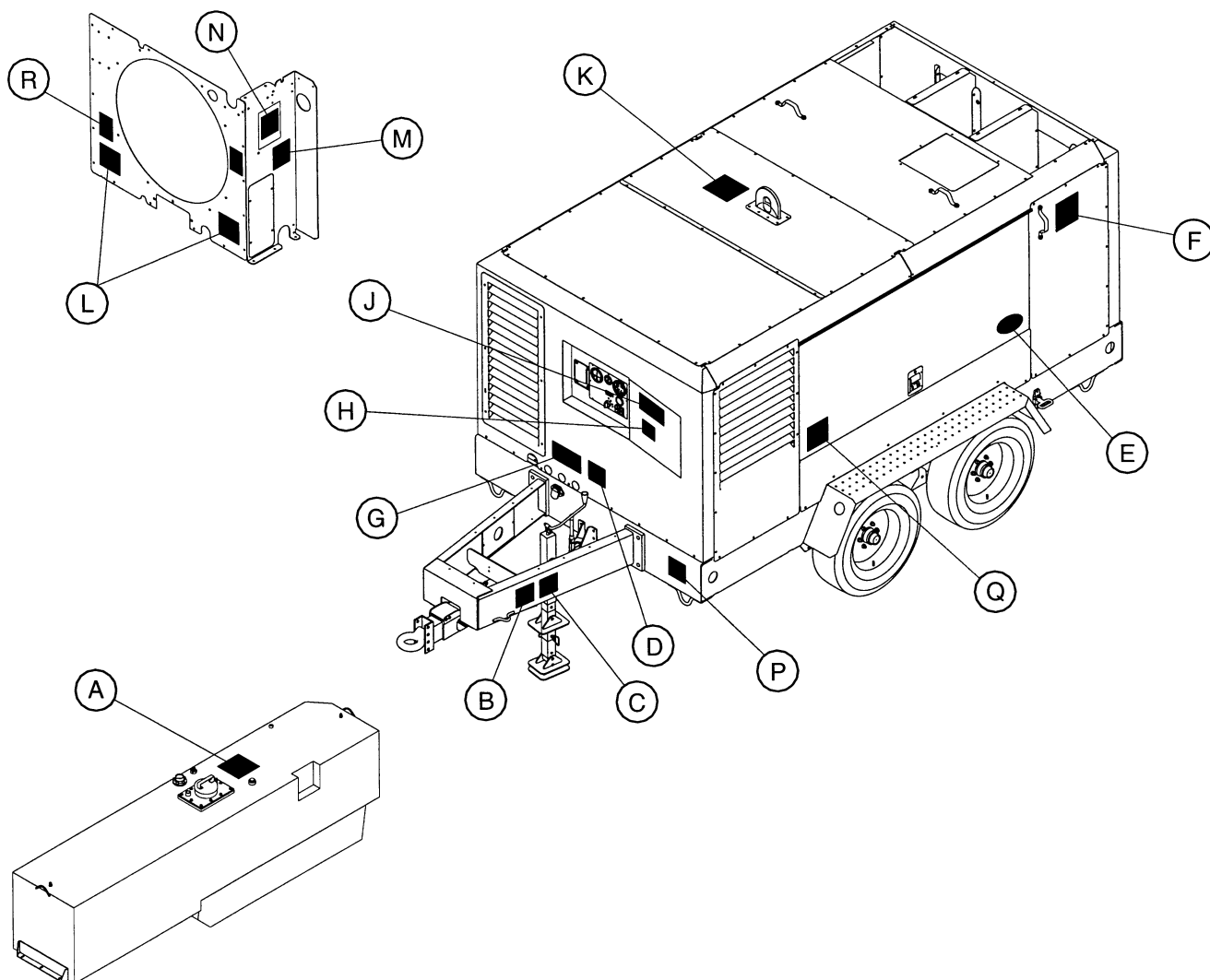


ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22305544	1	FOAM , FRONT	X	22306096	1	FOAM , BAFFLE
B	22306062	1	FOAM , FRONT	Y	22306104	1	FOAM , BAFFLE
C	22305536	1	FOAM , FRONT	Z	22306088	2	FOAM , BAFFLE
D	22252274	1	FOAM , FRONT	A1	22252225	1	FOAM , TOP
E	22252282	1	FOAM , FRONT	A2	22252217	1	FOAM , TOP
F	22306112	1	FOAM , BAFFLE	A3	22252241	1	FOAM , TOP
G	22252308	1	FOAM , FRONT	A4	22252233	1	FOAM , TOP
H	22252290	1	FOAM , FRONT	A5	22252258	2	FOAM , TOP
J	22305569	1	FOAM , INST. PANEL	A6	22252399	1	FOAM , RIGHT SIDE
K	22252191	2	FOAM , DOOR	A7	22252209	1	FOAM , RIGHT DOOR
L	22255707	1	FOAM , LEFT DOOR	A8	22252381	1	FOAM , RIGHT SIDE
M	22252373	1	FOAM , LEFT SIDE				
N	22305973	1	FOAM , LEFT SIDE				
P	22252365	1	FIBERGLASS , LEFT SIDE				
Q	22306120	1	FOAM , BAFFLE				
R	22252340	1	FOAM , REAR				
S	22305551	4	FOAM , BAFFLE				
T	22252316	2	FOAM ,REAR				
U	22305528	2	FOAM , REAR				
V	22252324	1	FOAM , REAR				
W	22252357	1	FOAM , REAR				

NOTE:

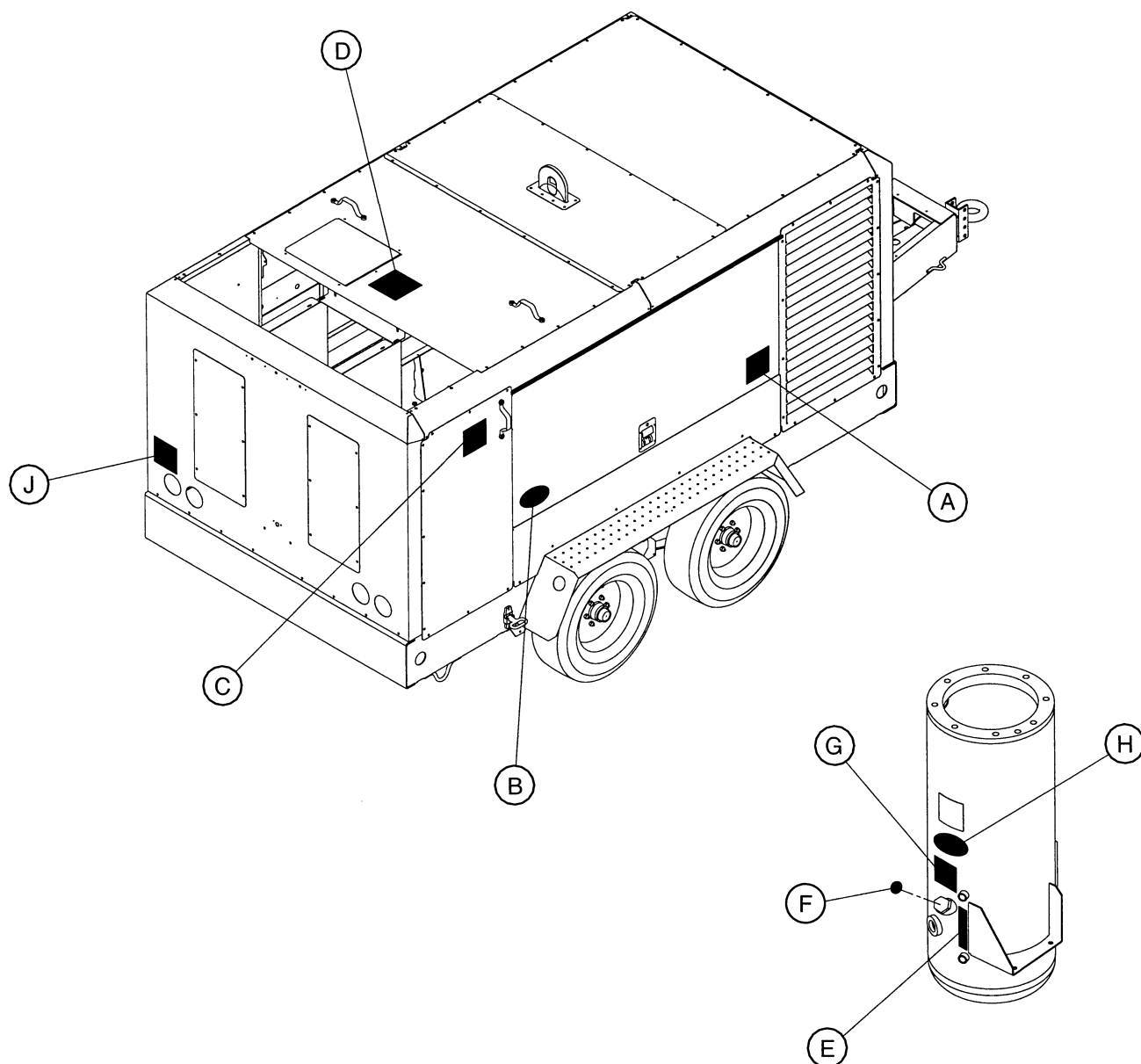
HIGH AMBIENT UNITS REQUIRE ITEM " N " ONLY. (2 REQD.)

DECAL LOCATION



ITEM	CPN	QTY.	DESCRIPTION
A	54625207	1	DIESEL FUEL DECAL
B	54604921	1	TOWING SPEED DECAL
C	54568803	1	COLLAPSING JACK DECAL
D	36514602	1	NOISE EMISSION DECAL
E	54640024	1	GENUINE PARTS DECAL
	54640024	1	GENUINE PARTS DECAL (LOCATE ON FRONT OF INSTRUMENT PANEL DOOR)
F	22298343	1	FALL OFF UNIT DECAL
G	54629902	1	3 - PART WARNING DECAL
H	54568787	1	IMPROPER OPERATION DECAL
J	22056378	1	OPERATING INSTRUCTIONS DECAL
K	54699400	1	LIFTING POINT DECAL
L	54568779	2	ROTATING FAN DECAL
M	36529691	2	CLEAN COOLERS DECAL (BOTH SIDES)
N	22334916	1	HOT SURFACE DECAL
P	36531176	1	VIN DECAL
	36533081	1	OVERLAY
Q	54413117	1	GALVANEAL DECAL (GALVANEAL OPTION)
R	54568753	1	BATTERY GAS DECAL

DECAL LOCATION



ITEM	CPN	QTY.	DESCRIPTION
A	54413177	1	GALVANEAL DECAL (GALVANEAL OPTION)
B	54640024	1	GENUINE PARTS DECAL
C	22298343	1	FALL OFF UNIT DECAL
D	54568761	1	HOT PRESSURIZED FLUID DECAL
E	22383319	1	OIL LEVEL DECAL
F	54604970	1	OIL FILL PLUG DECAL
G	54568795	1	HIGH PRESSURE AIR DECAL
H	54640164	1	AIR END WARRANTY DECAL

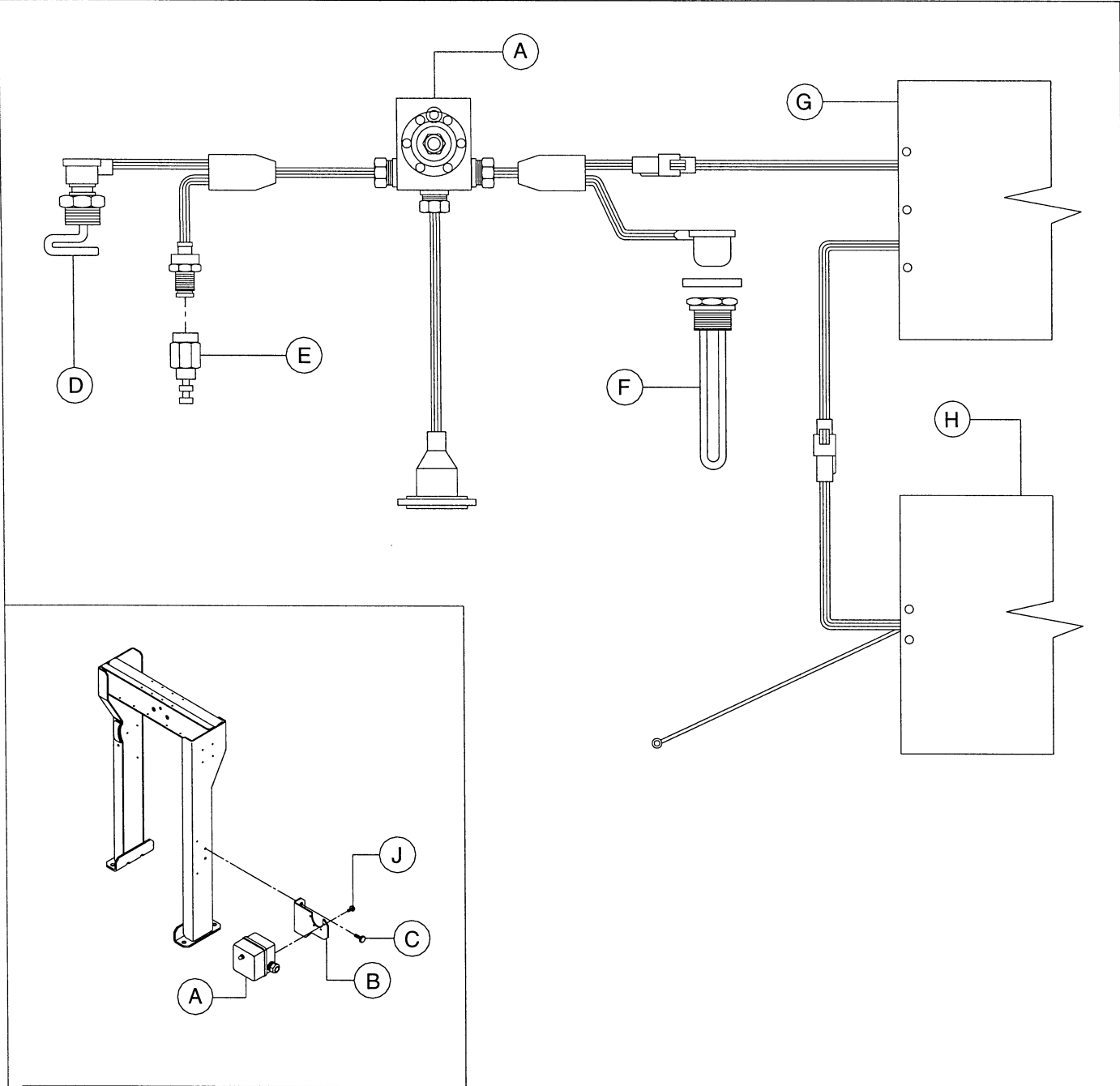
ELECTRICAL PARTS LIST

DESCRIPTION	PART NO.	DESIGNATION
INSTRUMENT PANEL		
4-IN-1 GAGE	22056394	M3
TACHOMETER	22055883	M6
FUEL LEVEL GAGE	22050991	M2
HOURLY METER	22054175	M1
LOAD SWITCH	22054092	S16
KEY SWITCH	22127385	S1
HEATERS	N / A	S11
ETHER INJECTION SWITCH	22054068	S10
INSTRUMENT PANEL HARNESS	22286348	N / A
ENGINE HARNESS		
DIAGNOSTIC LIGHT PANEL	36771434	U1
STARTER RELAY	35577873	K1
ALTERNATOR INDICATOR RELAY	36878361	K6
CRANK LATCH RELAY	36892362	K2
START / RUN LATCH RELAY	36892362	K3
SHUTDOWN LATCH RELAY	36892362	K4
FUEL SOLENOID RELAY	36892362	K5
BYPASS RELAY	36892362	K7
COOLANT LEVEL ALARM MODULE	36892370	U3
AIR END DISCHARGE TEMP. SWITCH	36865756	S3
COMPRESSOR TEMP. SENDER	35604180	RT1
ENGINE OIL PRESSURE SWITCH	36843423	S15
ENGINE OIL PRESSURE SWITCH	36757581	S4
ENGINE COOLANT TEMP. SWITCH	35327691	S5
ENGINE OIL PRESSURE SENDER	36870608	RP1
ENGINE TEMP. SENDER	35604180	RT2
COIL COMMANDER	22299127	L1
SEP. TANK SAFETY VALVE TEMP. SW.	36865756	S2
COOLANT LEVEL PROBE	35356799	PB1
ENGINE AIR FILTER RESTRICTION SW.	36847838	S8
COMPR. AIR FILTER RESTRICTION SW.	36847838	S9
CUMMINS ENGINE HARNESS	22286330	N / A
FUEL SENDER	22155451	U2
EMERGENCY STOP SWITCH	22162549	P3A , P3B (OPTION)
DIODE	35376169	D1
DIODE	35376169	D2
DIODE	35376169	D3
DIODE	35376169	D4
DIODE	35376169	D5
DISCHARGE AIR PRESSURE SW.	36757573	S7
REGULATOR HEATER	N / A	HR1
UNLOADER VALVE SOLENOID	36881944	L2
START / RUN VALVE SOLENOID	36840841	L3
ETHER SOLENOID	35357052	L4
STARTER MOTOR	22345755	B1
ALTERNATOR	22178115	G1

OPTIONS

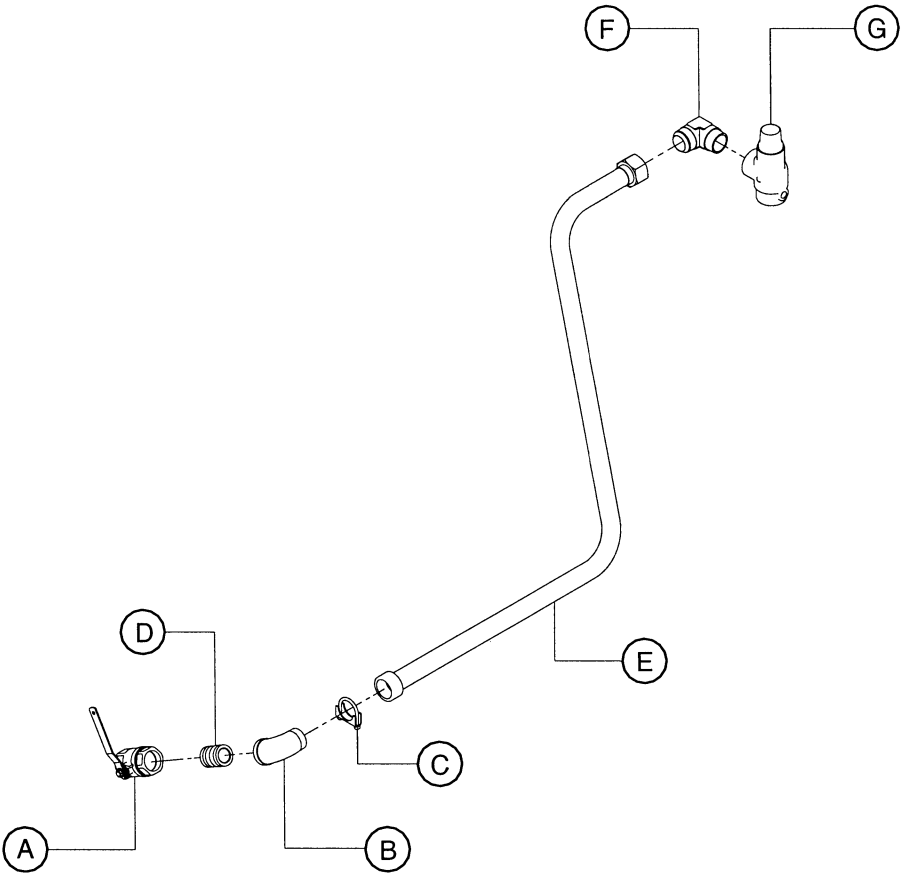
STARTER AID (AC KIT)
SERVICE MANIFOLD
IQ COOLER AND PIPING
AFTERCOOLER AND PIPING
CENTRAL DRAINS
SECURE LIFT BAIL

STARTER AID (AC KIT)



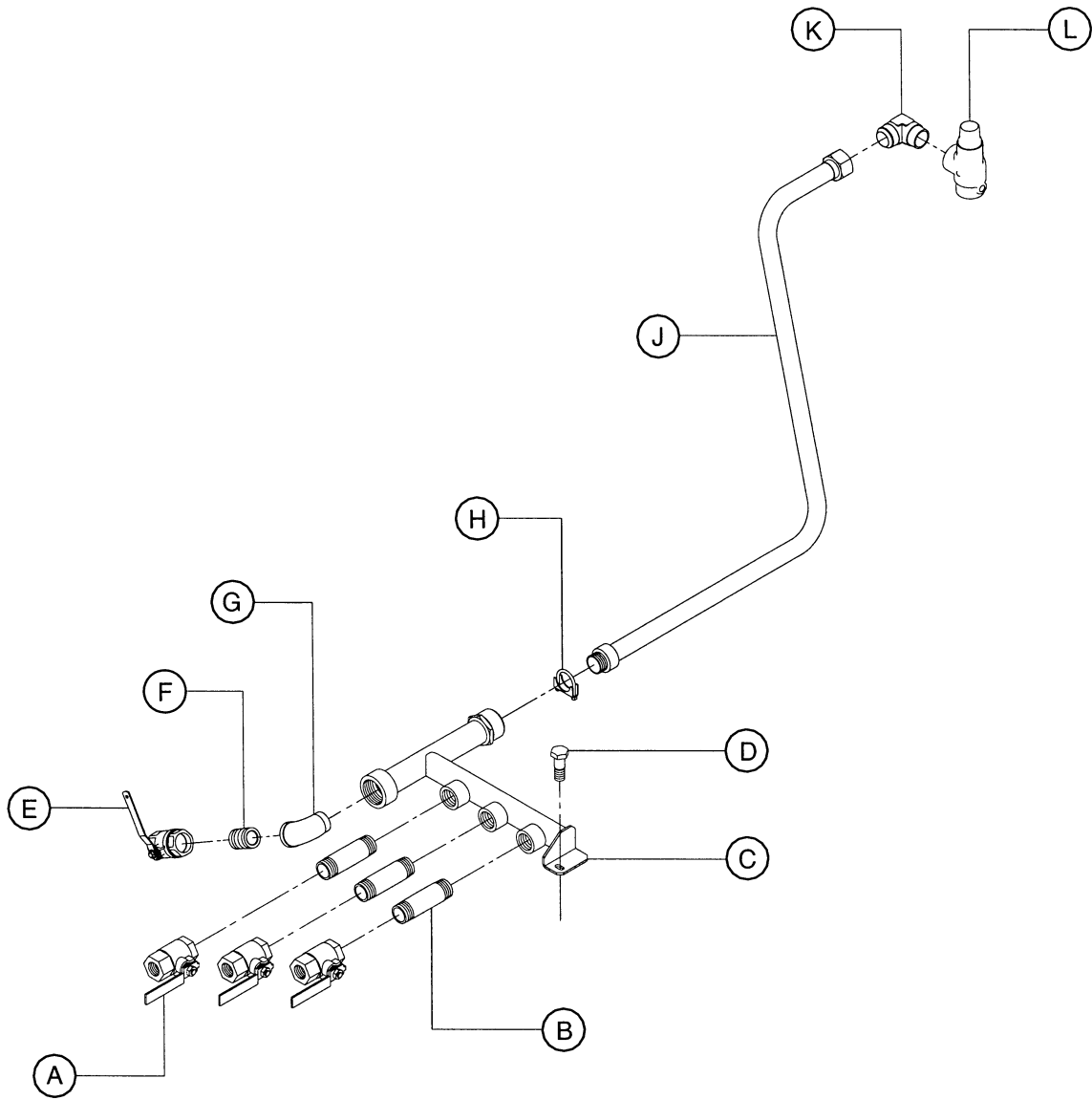
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22298541	1	PRESSURE SWITCH AND HARNESS				
B	22360242	1	BRACKET				
C	35279025	2	SCREW				
D	22298558	1	HEATER , ENGINE BLOCK				
E	22298566	1	PLUG , THERMOSTAT				
F	36874675	1	HEATER , OIL PAN				
G	36920338	1	HEATER , BATTERY				
H	36920346	1	HEATER , BATTERY				
—	22298533	1	COLD START ASSEMBLY (INCLUDES ITEMS A, D, E, F, G AND H.)				
J	95942553	4	SCREW				

SERVICE PIPING (ONE 2" BSP VALVE)



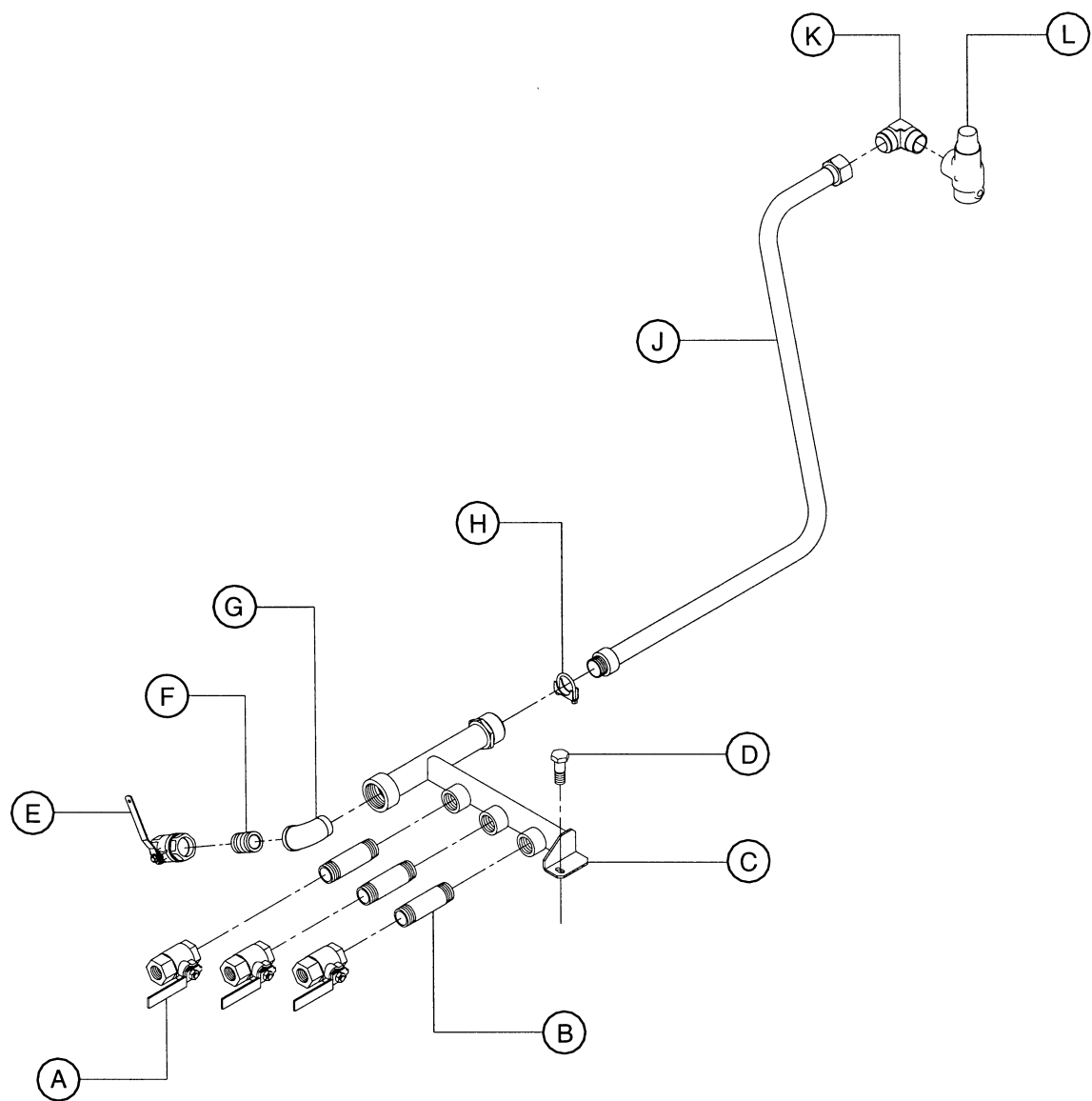
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	92530047	1	VALVE , BALL				
B	95944674	1	ELBOW				
C	35192178	1	CLAMP , SADDLE				
D	22208334	1	ADAPTOR				
E	22223846	1	PIPE , SERVICE				
F	36786127	1	ELBOW				
G	22217848	1	VALVE , MINIMUM PRESSURE				

SERVICE MANIFOLD PIPING (NPT)



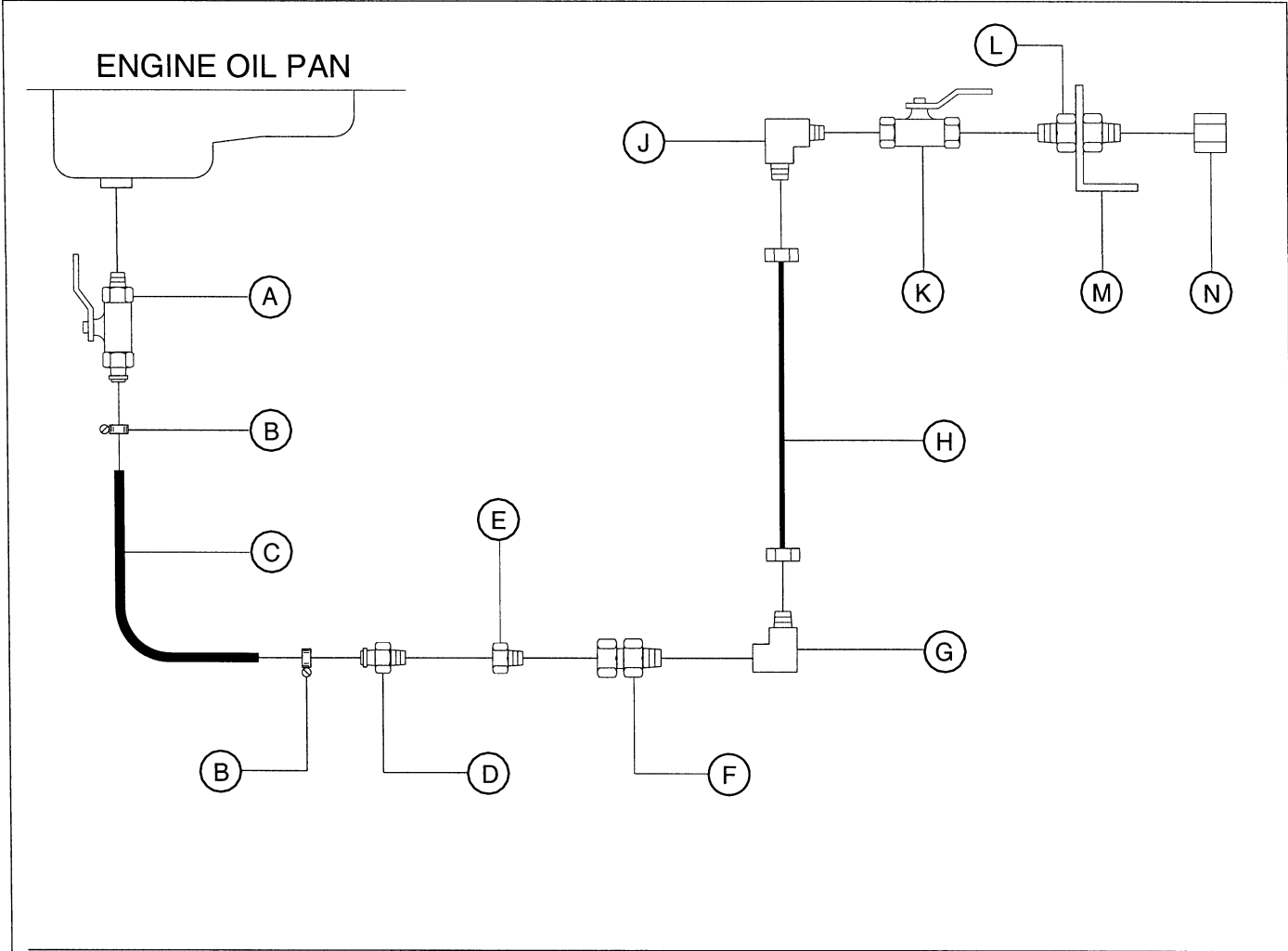
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35612126	3	VALVE , BALL				
B	95953519	3	NIPPLE				
C	22224232	1	MANIFOLD , SERVICE AIR				
D	35279025	1	SCREW				
E	35602473	1	VALVE , BALL				
F	95097291	1	NIPPLE				
G	95944674	1	ELBOW				
H	35192178	1	CLAMP , SADDLE				
J	22354815	1	PIPE , SERVICE				
K	36786127	1	ELBOW				
L	22217848	1	VALVE , MINIMUM PRESSURE				

SERVICE MANIFOLD PIPING (METRIC)



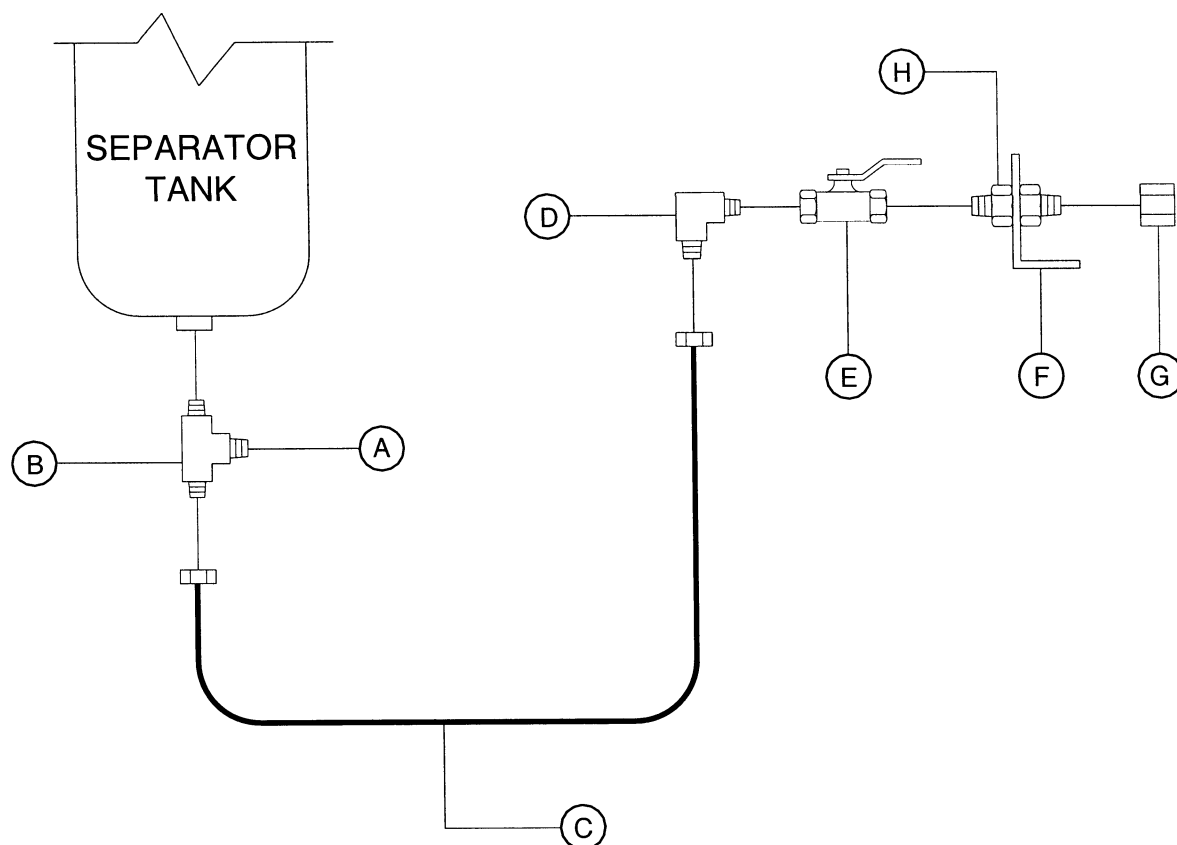
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	92111228	3	VALVE , BALL				
B	92076454	3	NIPPLE				
C	22224232	1	MANIFOLD , SERVICE AIR				
D	35279025	1	SCREW				
E	92530047	1	VALVE , BALL				
F	22208334	1	ADAPTOR				
G	95944674	1	ELBOW				
H	35192178	1	CLAMP , SADDLE				
J	22354815	1	PIPE , SERVICE				
K	36786127	1	ELBOW				
L	22217848	1	VALVE , MINIMUM PRESSURE				

ENGINE OIL DRAIN PIPING



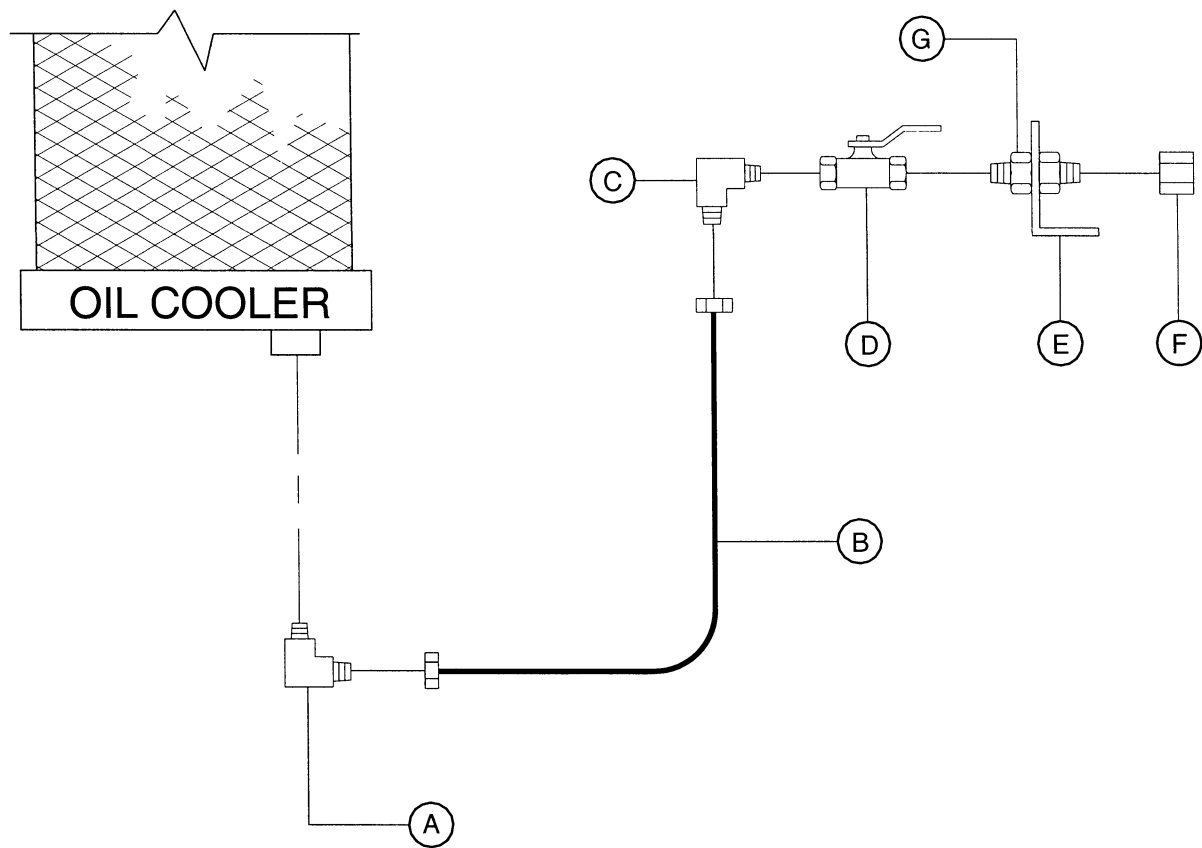
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	22363584	1	VALVE , BALL				
B	95220844	2	CLAMP , HOSE				
C	35326578	1	HOSE (22 INCHES)				
D	35326560	1	ADAPTER				
E	95953949	1	BUSHING				
F	35287747	1	FITTING , BULKHEAD				
G	35301506	1	ELBOW				
H	35376110	1	HOSE ASSEMBLY				
J	35294735	1	ELBOW				
K	36777399	1	VALVE , BALL				
L	35321173	1	FITTING , BULKHEAD				
M	22138515	1	BRACKET , CENTRAL DRAINS				
N	35608694	1	CAP				

SEPARATOR TANK DRAIN



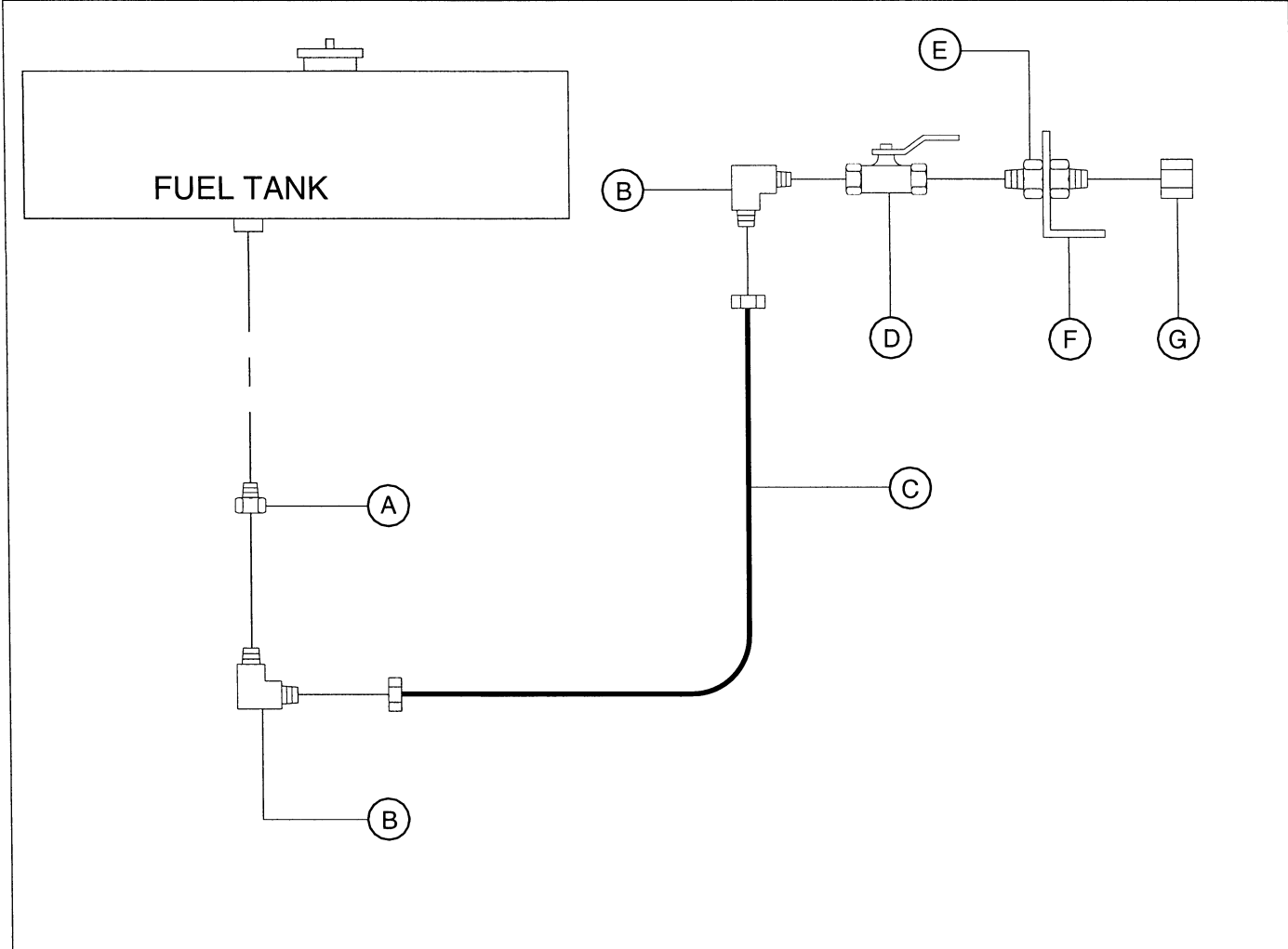
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A			TO OIL TEMP. BY-PASS VALVE				
B	XXXXXXX	1	TEE (HSRG ONLY)				
	35295880	1	CONNECTOR (ALL UNITS EXCEPT HSRG)				
C	36881936	1	HOSE ASSEMBLY				
D	35294735	1	ELBOW				
E	36777399	1	VALVE , BALL				
F	22138515	1	BRACKET , CENTRAL DRAINS				
G	35608694	1	CAP				
H	35321173	1	FITTING , BULKHEAD				

OIL COOLER DRAIN



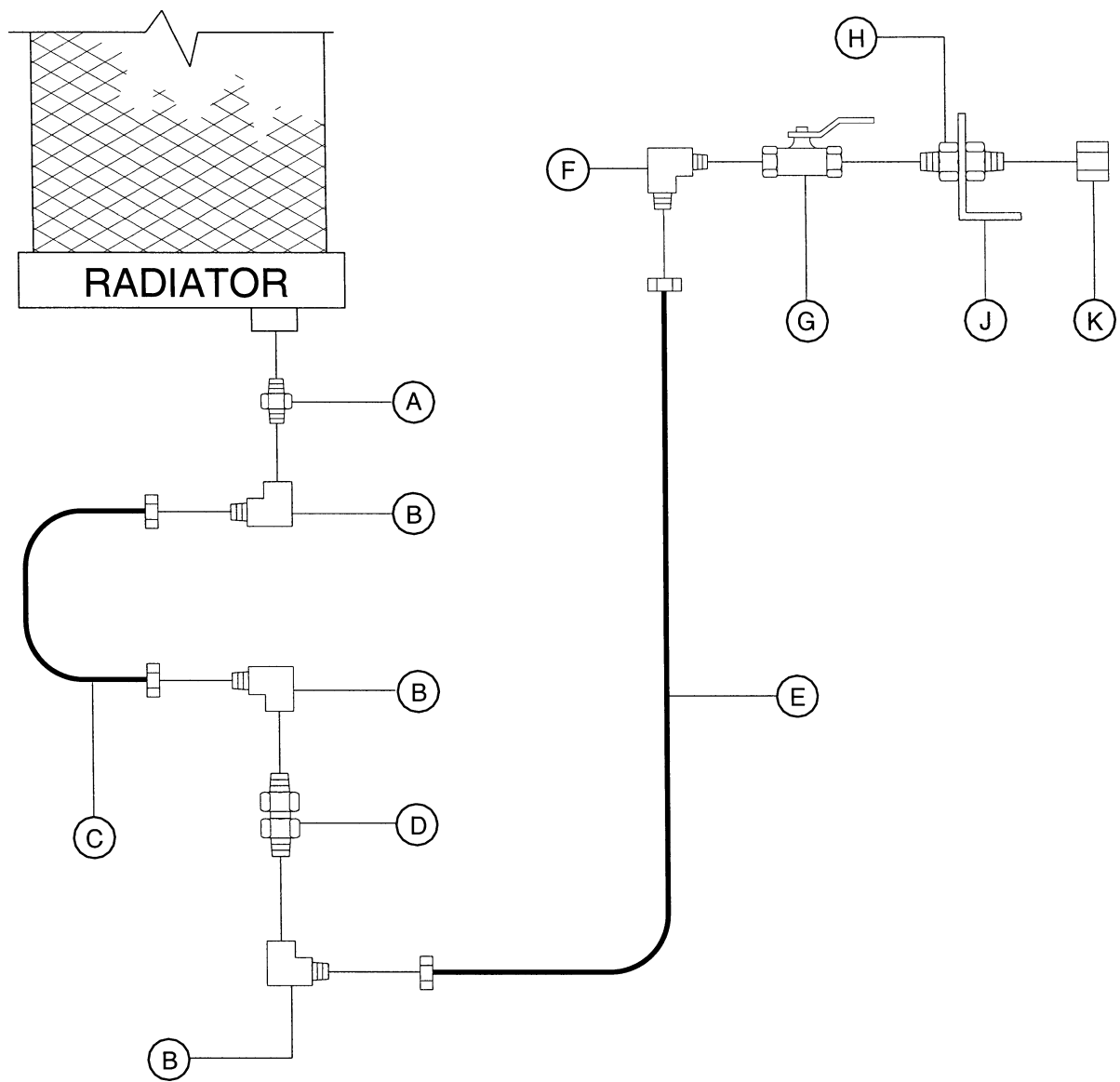
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35287937	1	ELBOW				
B	35283506	1	HOSE ASSEMBLY				
C	35287044	1	ELBOW				
D	36777399	1	VALVE , BALL				
E	22138515	1	BRACKET , CENTRAL DRAINS				
F	35608694	1	CAP				
G	35321173	1	FITTING , BULKHEAD				

FUEL TANK DRAIN



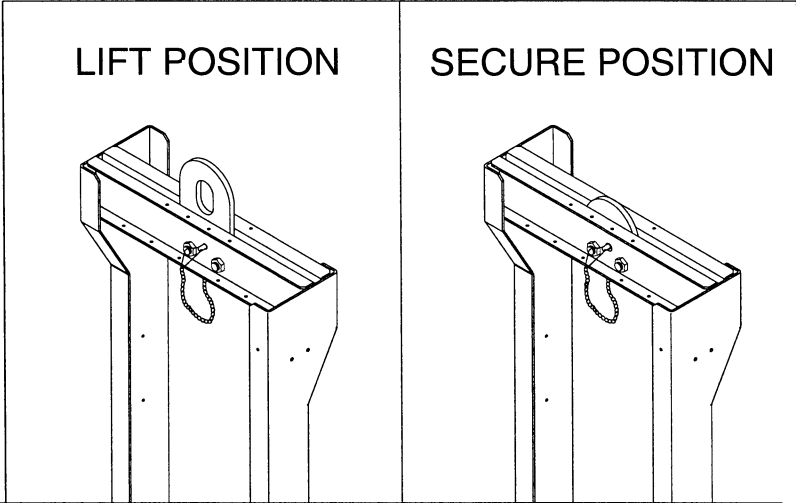
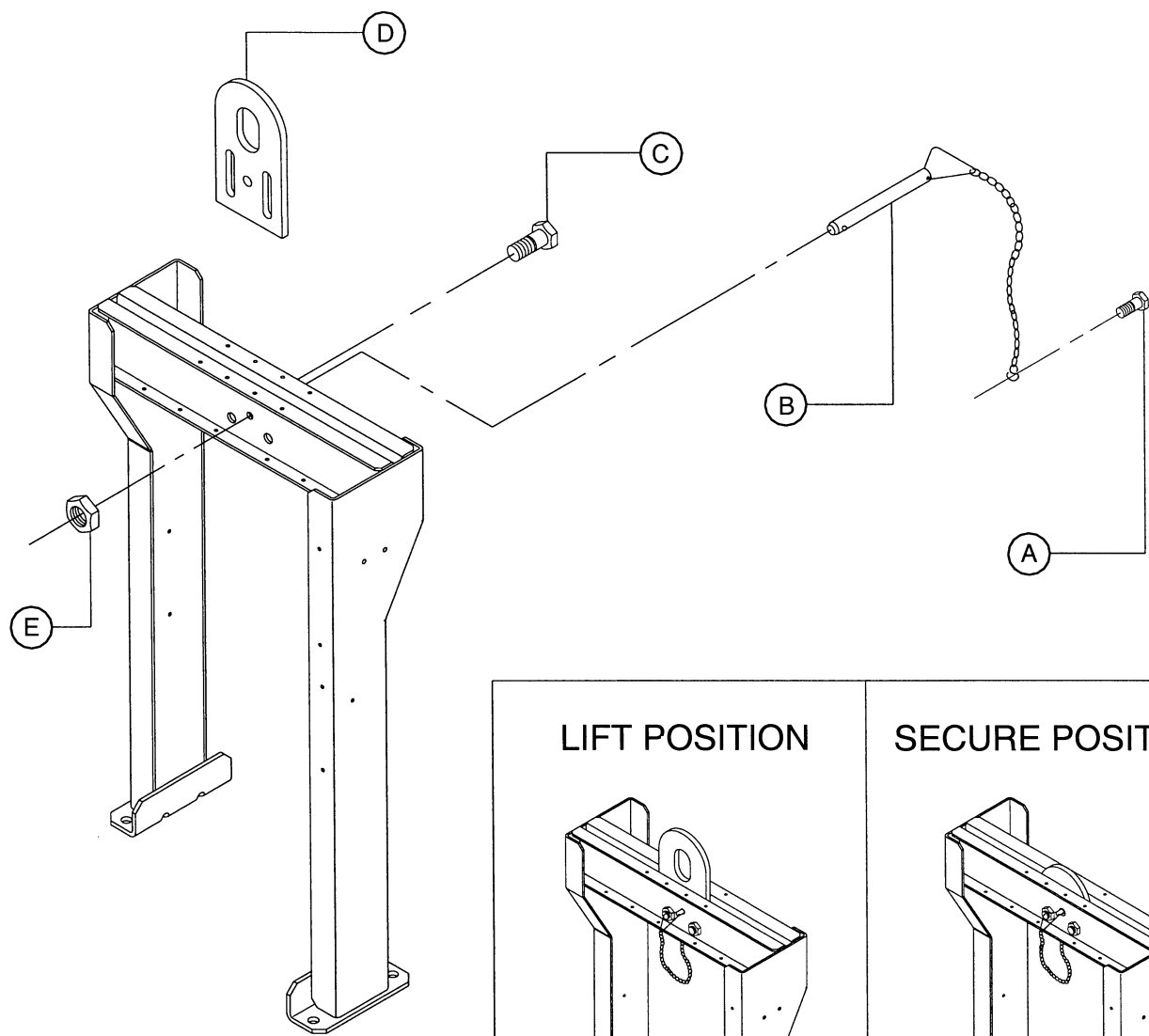
ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	95947487	1	BUSHING				
B	35294735	2	ELBOW				
C	35323682	1	HOSE ASSEMBLY				
D	36777399	1	VALVE , BALL				
E	35321173	1	FITTING , BULKHEAD				
F	22138515	1	BRACKET , CENTRAL DRAINS				
G	35608694	1	CAP				

RADIATOR DRAIN



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35283134	1	CONNECTOR				
B	35287911	3	ELBOW				
C	35252782	1	HOSE ASSEMBLY				
D	35285451	1	FITTING , BULKHEAD				
E	35307719	1	HOSE ASSEMBLY				
F	35287044	1	ELBOW				
G	36777399	1	VALVE , BALL				
H	35321173	1	FITTING , BULKHEAD				
J	22138515	1	BRACKET , CENTRAL DRAINS				
K	35608694	1	CAP				

SECURABLE LIFT EYE



ITEM	CPN	QTY	DESCRIPTION	ITEM	CPN	QTY	DESCRIPTION
A	35279025	1	SCREW				
B	36848224	1	PIN				
C	36763670	2	SCREW				
D	22183685	1	EYE , SECURE LIFT				
E	96702741	2	NUT				

