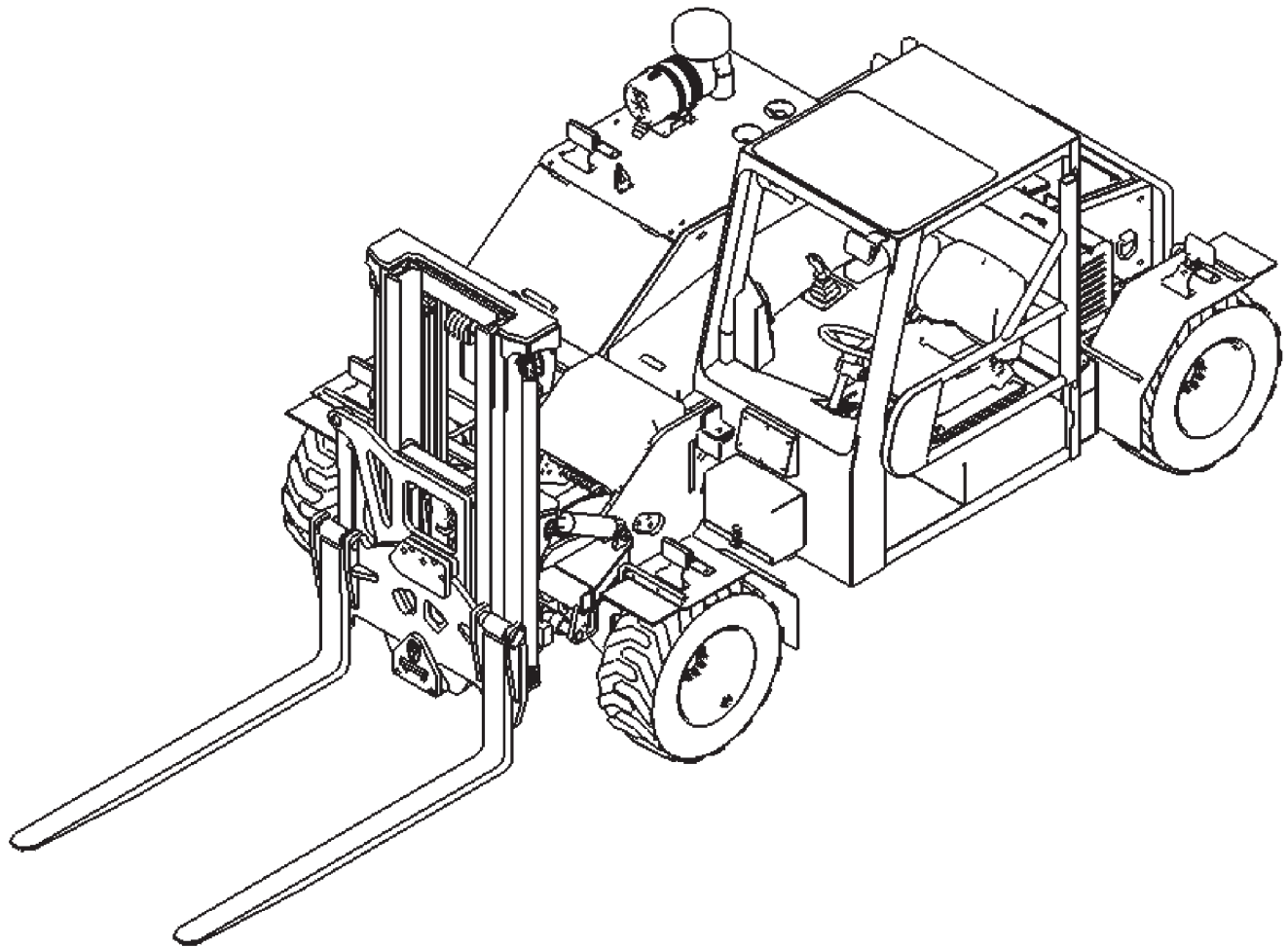




Bright Forklift Montacargas Bright

PATRIOT



Parts Catalog

Bright Coop Inc.

803 W. Seale St.

Nacogdoches, TX 75964

Phone: (936) 564-8378 • Fax: (936) 564-3281

Info@brightcoop.com

BCI# 098-20211

DATED: 01/2023



Bright Forklift

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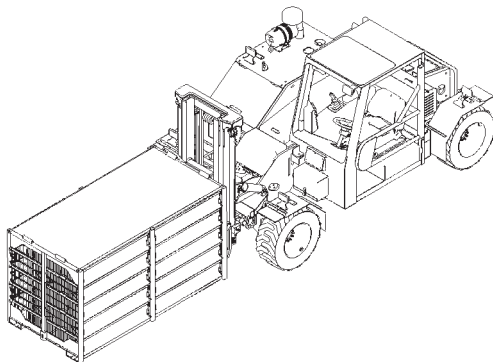


Bright Forklift

PATRIOT

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2. **SECTION 2
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Bright Forklift

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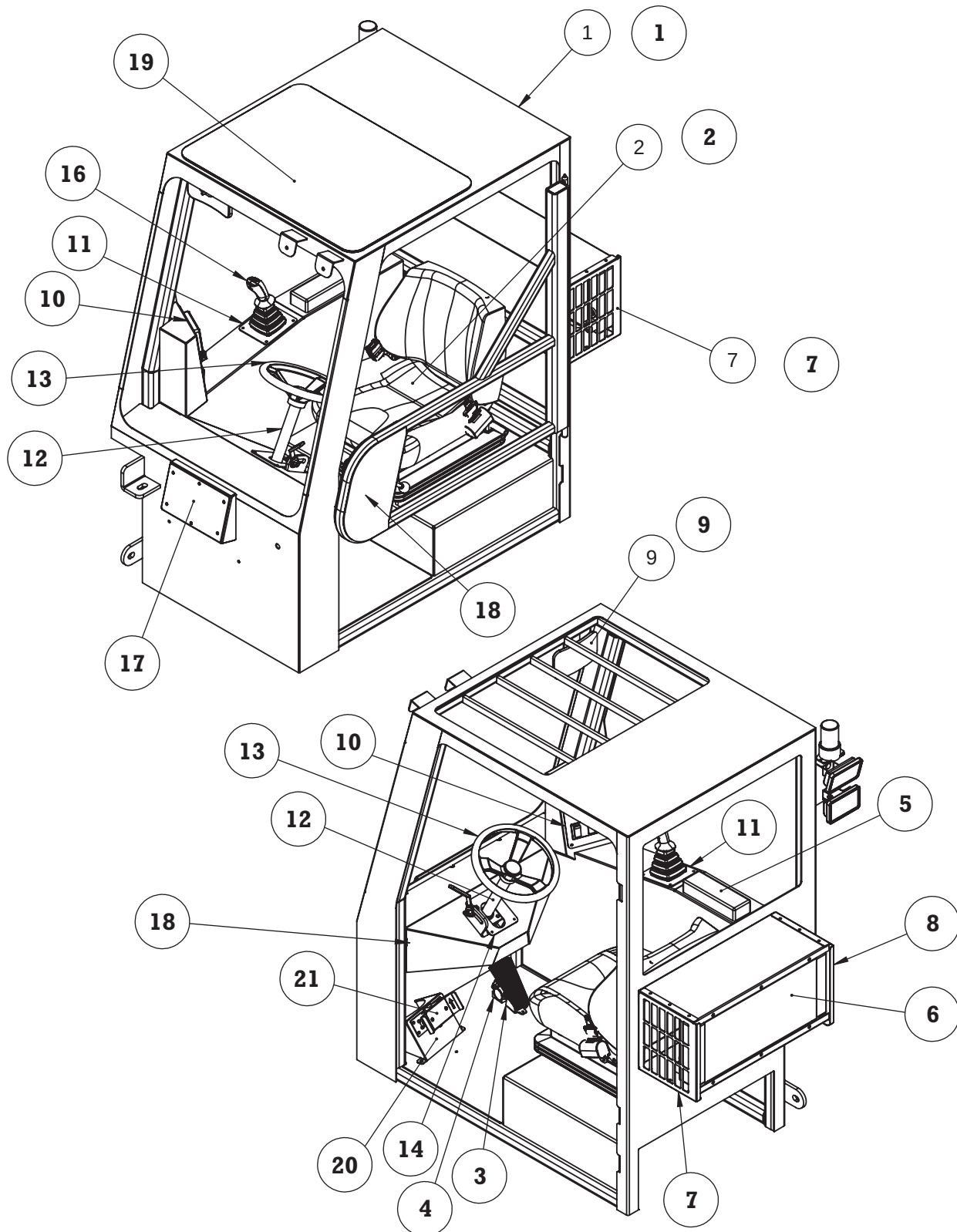
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CAB ASSEMBLY

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CAB FRAME ASSEMBLY WITH HYDRAULIC FOOT PEDAL (098-21200H)





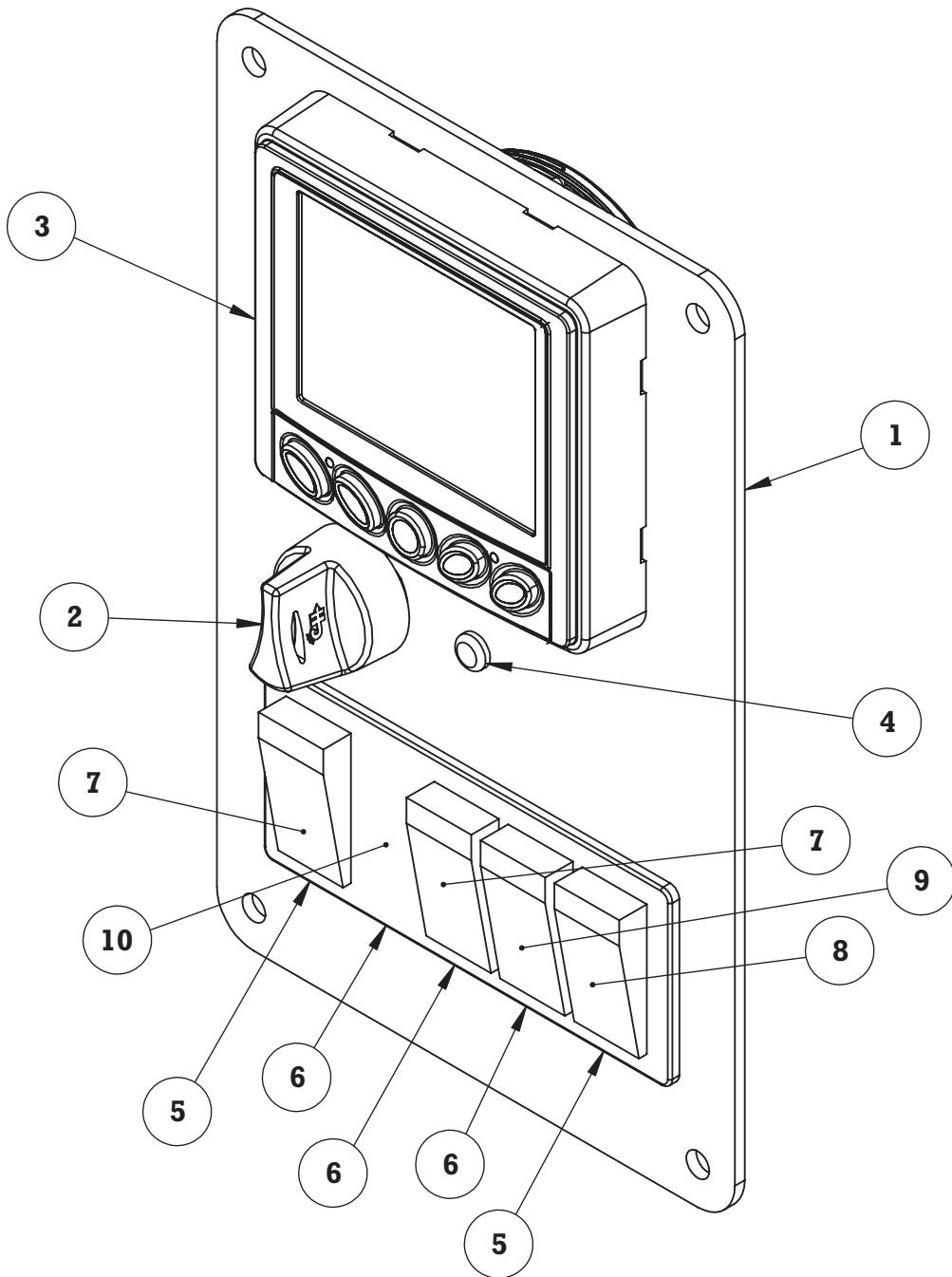
Bright Forklift

PATRIOT

CAB FRAME ASSEMBLY WITH HYDRAULIC FOOT PEDAL (098-21200H)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21210	CAB FRAME ASSEMBLY
2	1	097-24245	SUSPENSION SEAT (HEAVY DUTY)
3	1	097-20833	FUEL PEDAL ASSEMBLY
4	1	097-24319	PLASTIC WEDGE FOR THROTTLE
5	1	430-00137	ARMREST
6	1	097-20575	OIL COOLER WITH 2 12V FANS
7	1	098-20231AL	OIL COOLER GUARD PLATE
8	1	091-20231AR	OIL COOLER GUARD PLATE
9	1	097-20714	FORKLIFT MIRROR (CAB)
10	1	098-21201H	DASH ASSEMBLY WITH HYDRAULIC FOOT PEDAL
11	1	097-24150	JOYSTICK MOUNTING PLATE
12	1	097-00008	STEERING COLUMN
13	1	097-00009	STEERING WHEEL
14	1	098-01446	DASHBOARD (CENTER)
15	1	098-01497	STEERING CONTROL UNIT
16	1	098-20143	JOYSTICK - 4TH5E061X/YU03M05
17	1	098-20148	WIPER BOX COVER
18	1	097-25222	CAB SUMMER DOOR ASSEMBLY
19	1	097-24069	ROOF WINDOW
20	1	098-21202	HYDRAULIC FOOT PEDAL HOUSING ASSEMBLY
21	1	098-21204H	HYDRAULIC FOOT PEDAL ASSEMBLY - HYDRECO VALVE

DASH ASSEMBLY WITH HYDRAULIC FOOT PEDAL (098-21201H)



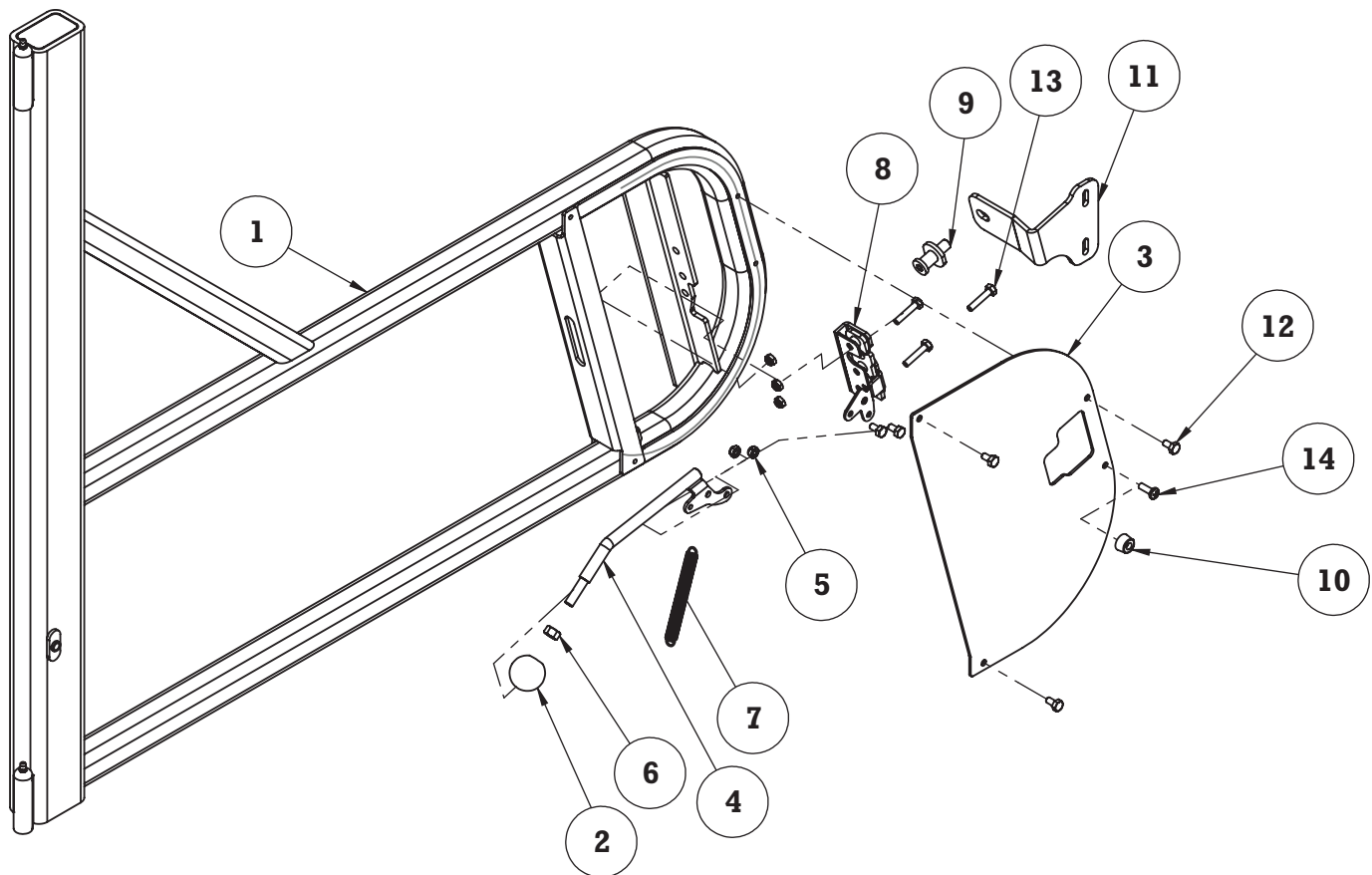


Bright Forklift

PATRIOT

DASH ASSEMBLY WITH HYDRAULIC FOOT PEDAL (098-21201H)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-20195	DASH MOUNTING PLATE
2	1	190-00747	SEALED KEY IGNITION SWITCH - 3 POSITION
3	1	190-00743	MURPHY POWERVIEW PV380-R2
4	1	097-20828	LED INDICATOR LIGHT - YELLOW
5	2	097-20345	END ROCKER PANEL
6	3	097-20344	MIDDLE ROCKER PANEL
7	2	097-20341	SEALED ROCKER SWITCH (ON-OFF)
8	1	190-00836	SEALED ROCKER SWITCH (ON-OFF) DPDT
9	1	097-20342	SEALED ROCKER SWITCH ((ON)-OFF)
10	1	097-20345-01	BLANKING PLATE





Bright Forklift

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CAB SUMMER DOOR ASSEMBLY (097-25222)

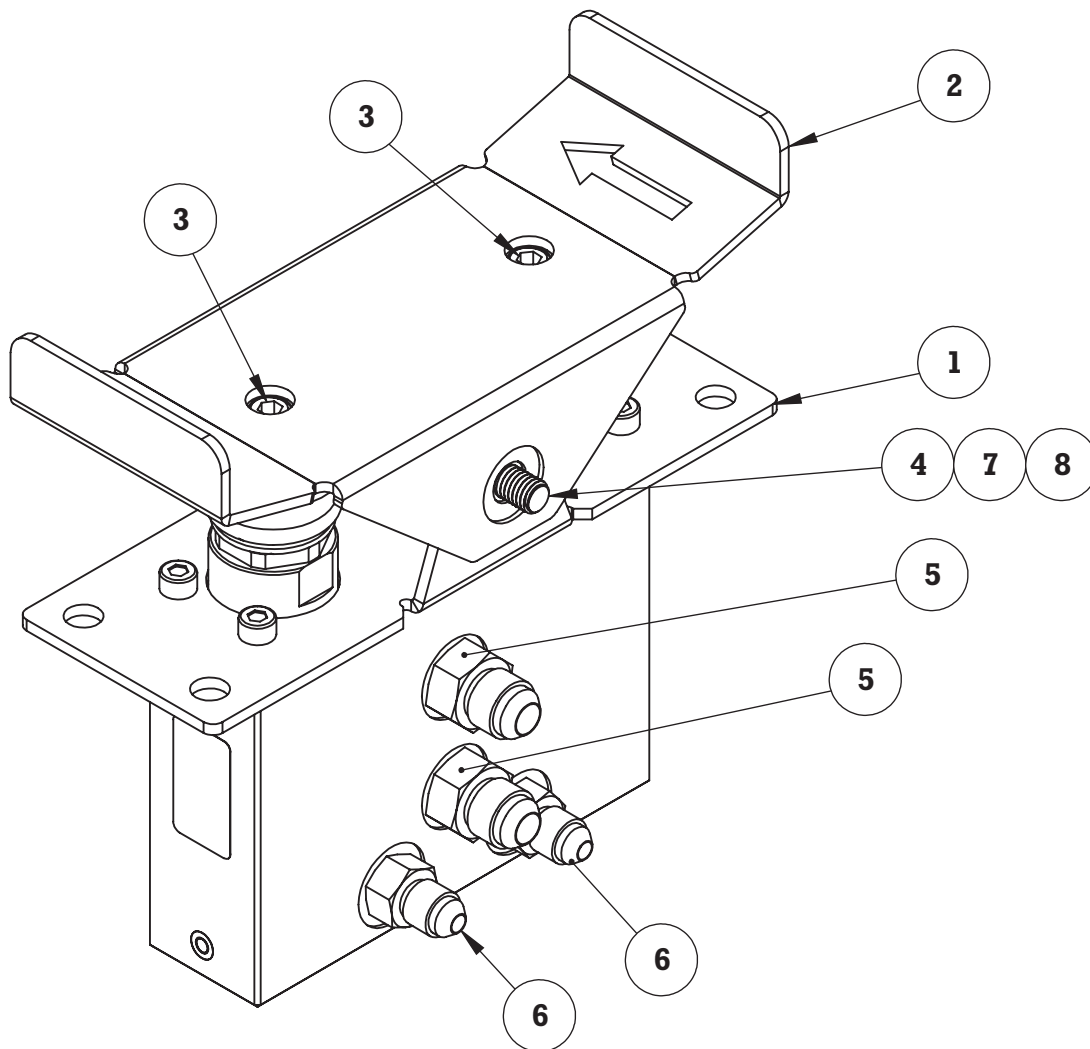
ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	097-25223	CAB SUMMER DOOR WELDMENT
2	1	097-20319	DELUXE BALL KNOB WITH 3/8-16 THREAD
3	1	097-20943	INNER COVER
4	1	097-21230	DOOR LATCH HANDLE WELDMENT
5	5	REF.	1/4-20 NYLOC HEX NUT
6	1	210-00173	3/8-16 HEX NUT
7	1	KD-B1074	THROTTLE SPRING
8	1	097-20659	ROTARY LATCH
9	1	097-20660	STRIKER
10	1	098-01170	RUBBER BUMPER
11	1	097-24269	STRIKER BRACKET, SUMMER DOOR - (BOLT ON)
12	5	REF.	1/4-20 X 1/2 LG HEX BOLT
13	3	REF.	1/4-20 X 1-1/4 LG HEX BOLT
14	1	REF.	SCREW, PAN HEAD 1/4-20 NC X 3/4 LG



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HYDRAULIC FOOT PEDAL ASSEMBLY - HYDRECO VALVE (098-21204H)





Bright Forklift

PATRIOT

HYDRAULIC FOOT PEDAL ASSEMBLY - HYDRECO VALVE (098-21204H)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	097-24312H	HYDRCO FNR FOOT VALVE (5-21 BAR) HPVP01W038SGS
2	1	098-21203	FOOT PEDDLE ASSEMBLY FOR HYDRECO VALVE
3	2	REF	THREADED BOSS
4	1	210-00911	M10 X 70MM SHOULDER-SHOULDER BOLT
5	REF	330-00564	FITTING - #6 JIC X #4 SAE
6	REF	330-00042	FITTING - #4 JIC X #4 SAE
7	1	210-00551	M8 X 1.25 NYLOC NUT
8	1	210-00739	5/16 WASHER

* ITEM #3 INCLUDED WITH HYDRECO VALVE



Bright Forklift

PATRIOT

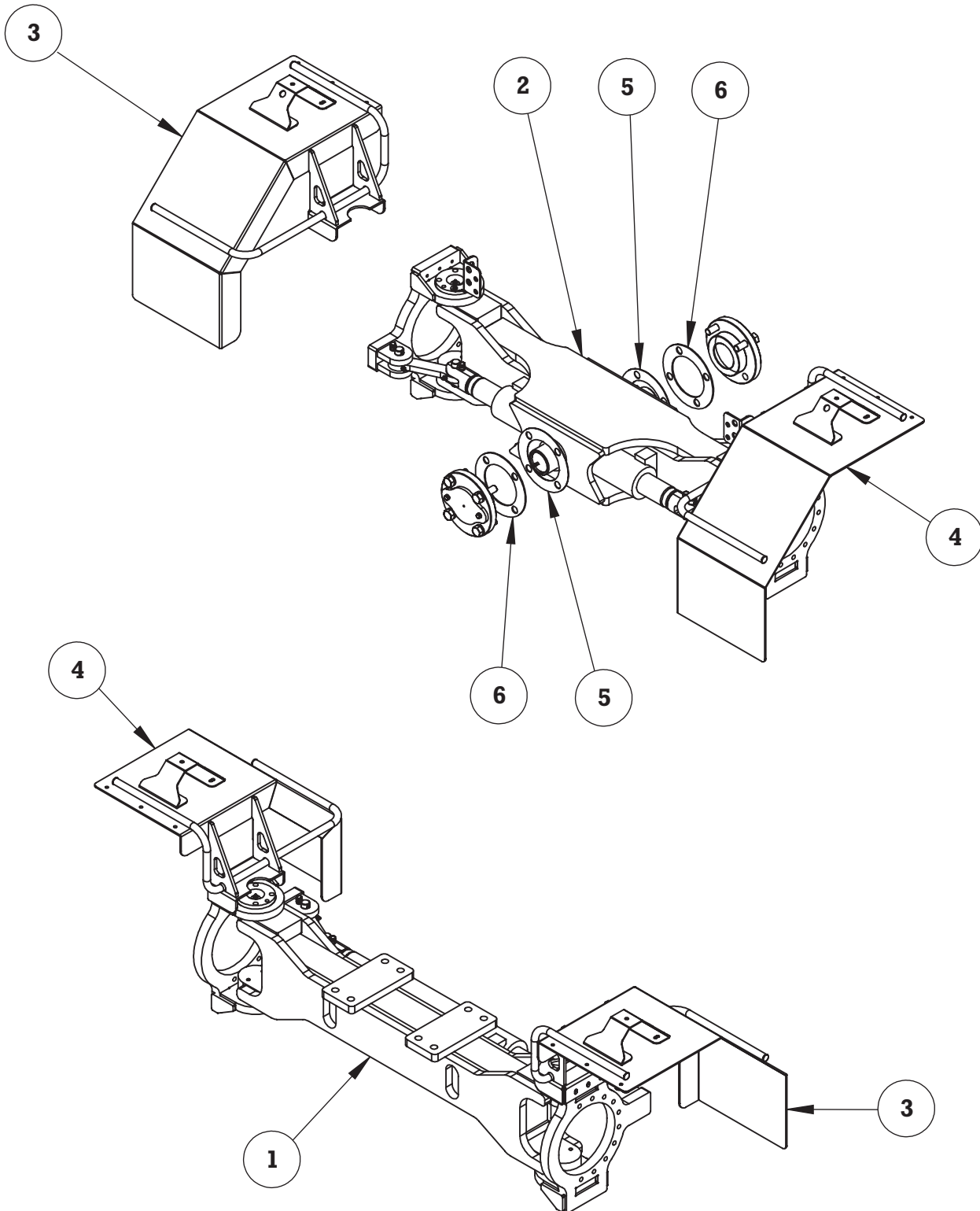
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STEERING AXLE

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STEER AXLE ASSEMBLY (098-21300)





Bright Forklift

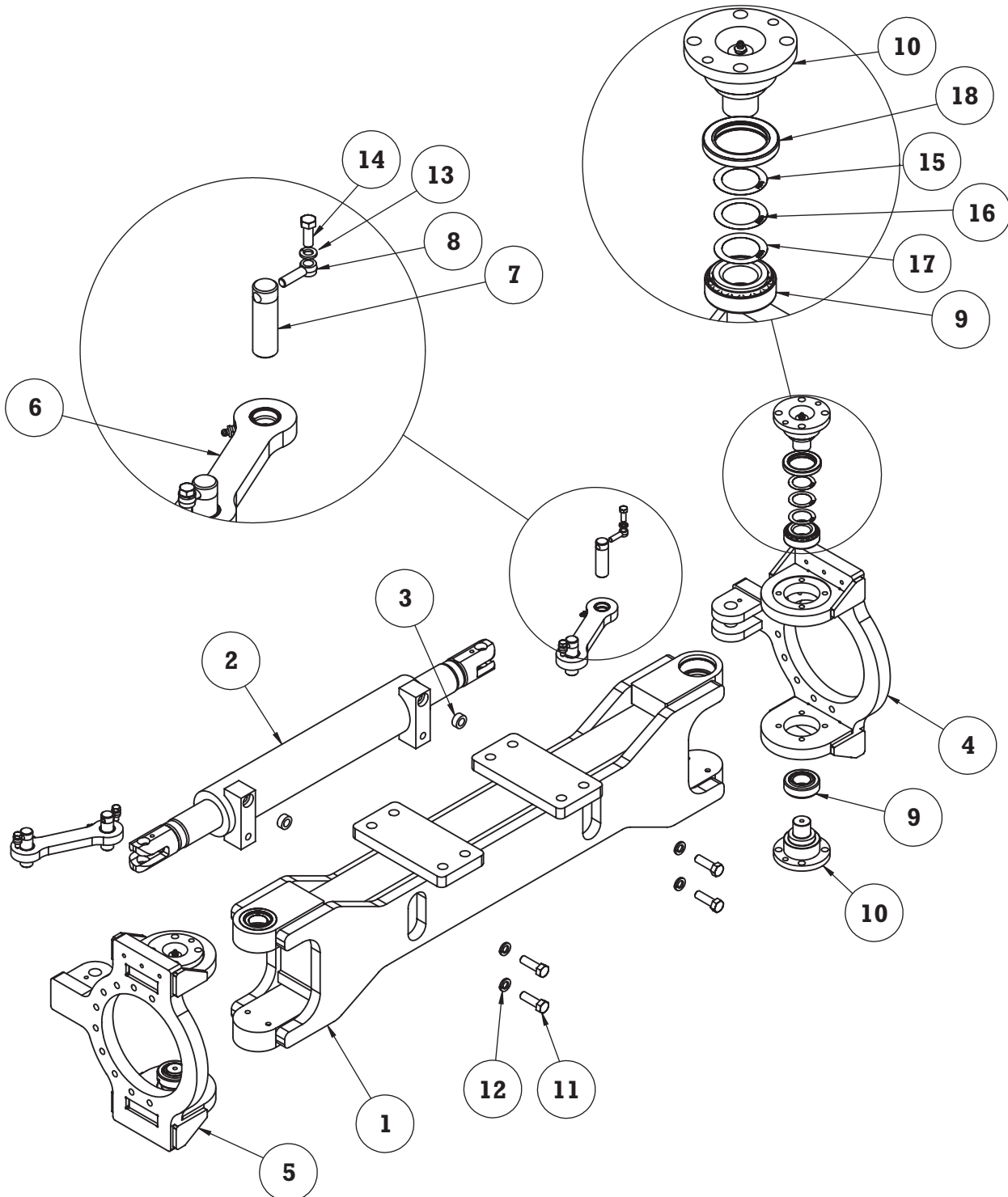
PATRIOT

STEER AXLE ASSEMBLY (098-21300)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21301	FRONT STEER AXLE ASSEMBLY
2	1	098-21302	REAR STEER AXLE ASSEMBLY
3	2	098-21315-O	LEFT FRONT/RIGHT REAR FENDER ASSEMBLY
4	2	098-21315	RIGHT FRONT/LEFT REAR FENDER ASSEMBLY
5	2	098-20168	PIVOT AXLE BUSHING HOUSING SHIM
6	2	098-20168.1	PIVOT AXLE BUSHING HOUSING SHIM

FRONT STEER AXLE ASSEMBLY (098-21301)

**ADD SHIMS (15,16,17) AS NEEDED TO
ACHIEVE THE NECESSARY
BEARING PRELOAD (0.008-0.012")**





Bright Forklift

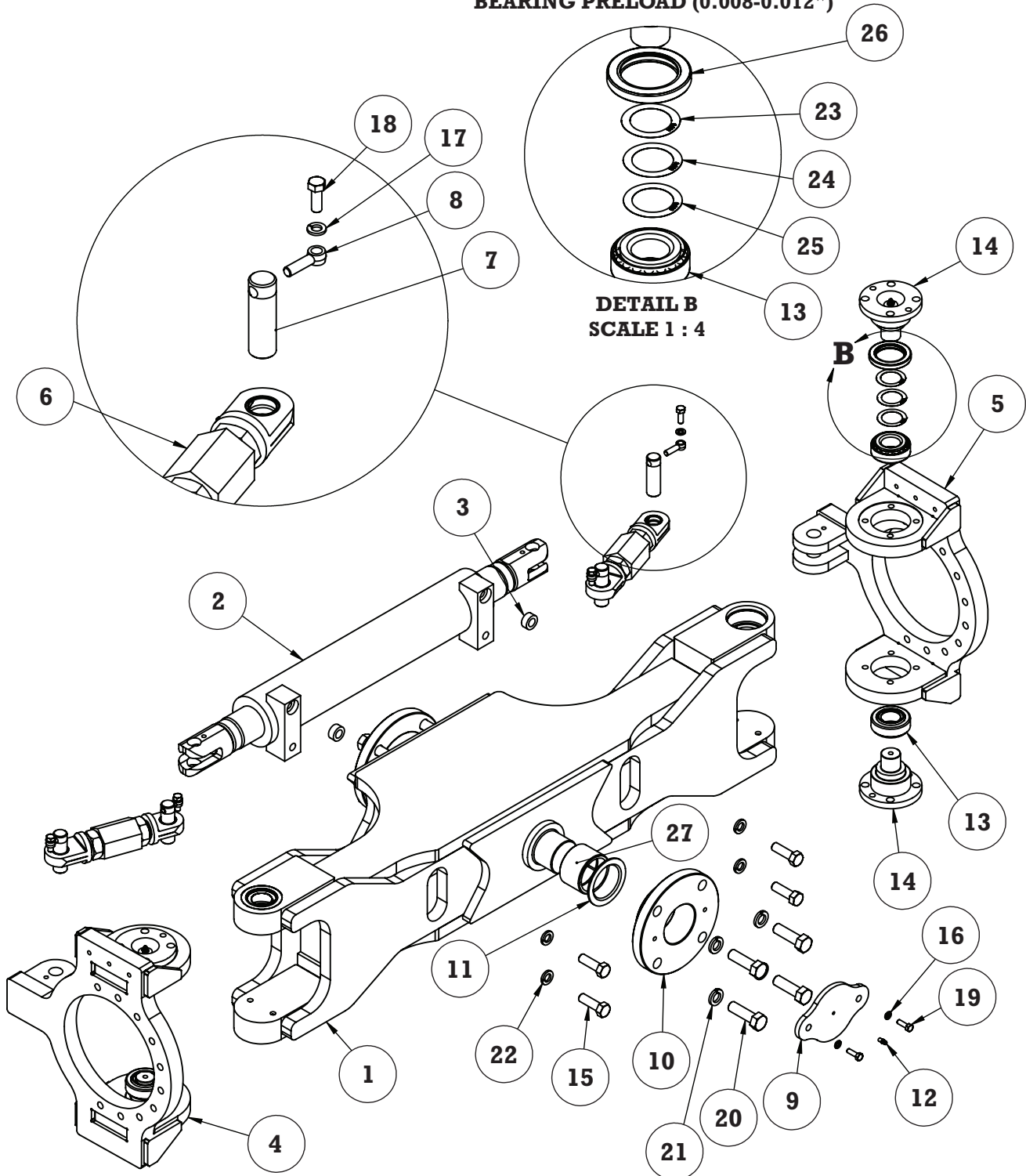
PATRIOT

FRONT STEER AXLE ASSEMBLY (098-21301)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21310	FRONT STEER AXLE WELDMENT
2	1	098-20099	STEER CYLINDER
3	2	098-01337	STEER CYLINDER LOCATING BUSHING
4	1	098-21312 L-F	LEFT FRONT YOKE WELDMENT
5	1	098-21312 R-F	RIGHT FRONT YOKE WELDMENT
6	2	098-21313	CONNECTING LINK ASSEMBLY
7	4	098-01483	STEER CYLINDER PIN
8	4	098-01482	ROD END 3/8
9	4	098-20098	TAPERED BEARING ASSEMBLY
10	4	098-21314	TRUNION ASSEMBLY
11	4	REF	SCREW CAP HEX HD NF GR 5
12	4	REF	LOCKWASHER
13	4	REF	LOCKWASHER
14	4	REF	SCREW CAP HEX HD NC GR 8
15	4	098-20090	SHIM, SST-.001" THICK - 2-1/8" OD X 1-1/2" (PKG OF 5)
16	4	098-20091	SHIM, SST-.002" THICK - 2-1/8" OD X 1-1/2" (PKG OF 5)
17	4	098-20092	SHIM, SST-.005" THICK - 2-1/8" OD X 1-1/2" (PKG OF 5)
18	4	098-20093	SEAL - BEARING

REAR STEER AXLE ASSEMBLY (098-21302)

ADD SHIMS (23,24,25) AS NEEDED TO
ACHIEVE THE NECESSARY
BEARING PRELOAD (0.008-0.012")





Bright Forklift

PATRIOT

REAR STEER AXLE ASSEMBLY (098-21302)

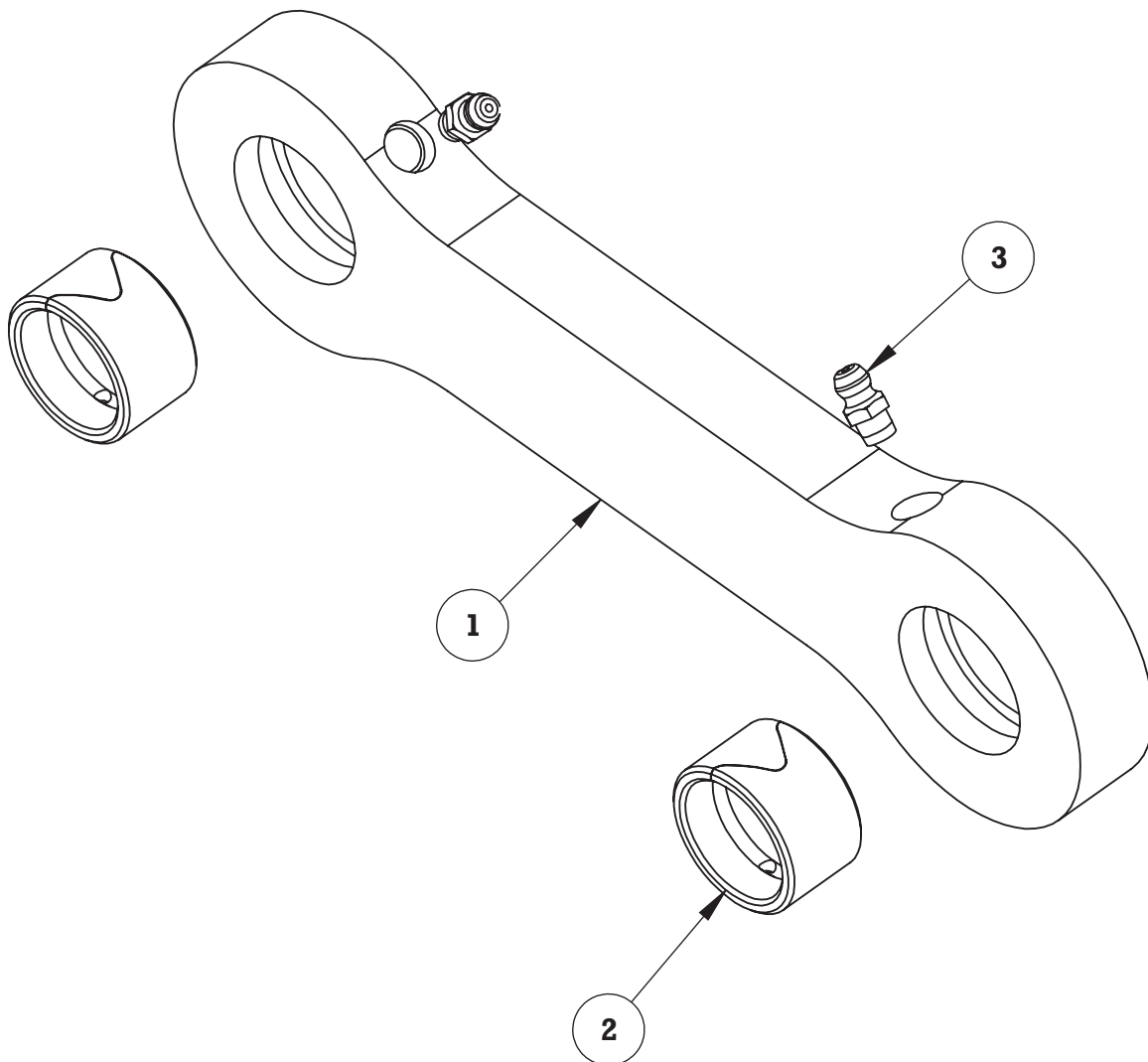
ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21311	REAR STEER AXLE WELDMENT
2	1	098-20099	STEER CYLINDER
3	2	098-01337	STEER CYLINDER LOCATING BUSHING
4	1	098-21312 L-R	LEFT REAR YOKE WELDMENT
5	1	098-21312 R-R	RIGHT REAR YOKE WELDMENT
6	2	098-21316	ADJUSTABLE TIE ROD ASSEMBLY
7	4	098-01483	STEER CYLINDER PIN
8	4	098-01482	ROD END 3/8
9	2	098-00296	CRADLE BEARING COVER
10	2	410-00159	STEER AXLE BUSHING HOUSING
11	2	098-00680	THRUST WASHER
12	2	210-00534	GREASE FITTING 1/4UNF "ALEMITE" C1641B
13	4	098-20098	TAPERED BEARING ASSEMBLY
14	4	098-21314	TRUNION ASSEMBLY
15	4	REF	SCREW CAP HEX HD NF GR 5
16	4	REF	LOCKWASHER
17	4	REF	LOCKWASHER
18	4	REF	SCREW CAP HEX HD NC GR 8
19	4	REF	SCREW CAP HEX HD NC GR 5
20	8	REF	SCREW CAP HEX HD NF GR 8
21	8	REF	LOCKWASHER
22	4	REF	LOCKWASHER
23	4	098-20090	SHIM, SST-.001" THK - 2-1/8" OD X 1-1/2" (PKG OF 5)
24	4	098-20091	SHIM, SST-.002" THK - 2-1/8" OD X 1-1/2" (PKG OF 5)
25	4	098-20092	SHIM, SST-.005" THK - 2-1/8" OD X 1-1/2" (PKG OF 5)
26	4	098-20093	SEAL - BEARING
27	2	410-00118	STEER AXLE MAIN PIVOT BUSHING



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PATRIOT

CONNECTING LINK ASSEMBLY (098-21313)





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CONNECTING LINK ASSEMBLY (098-21313)

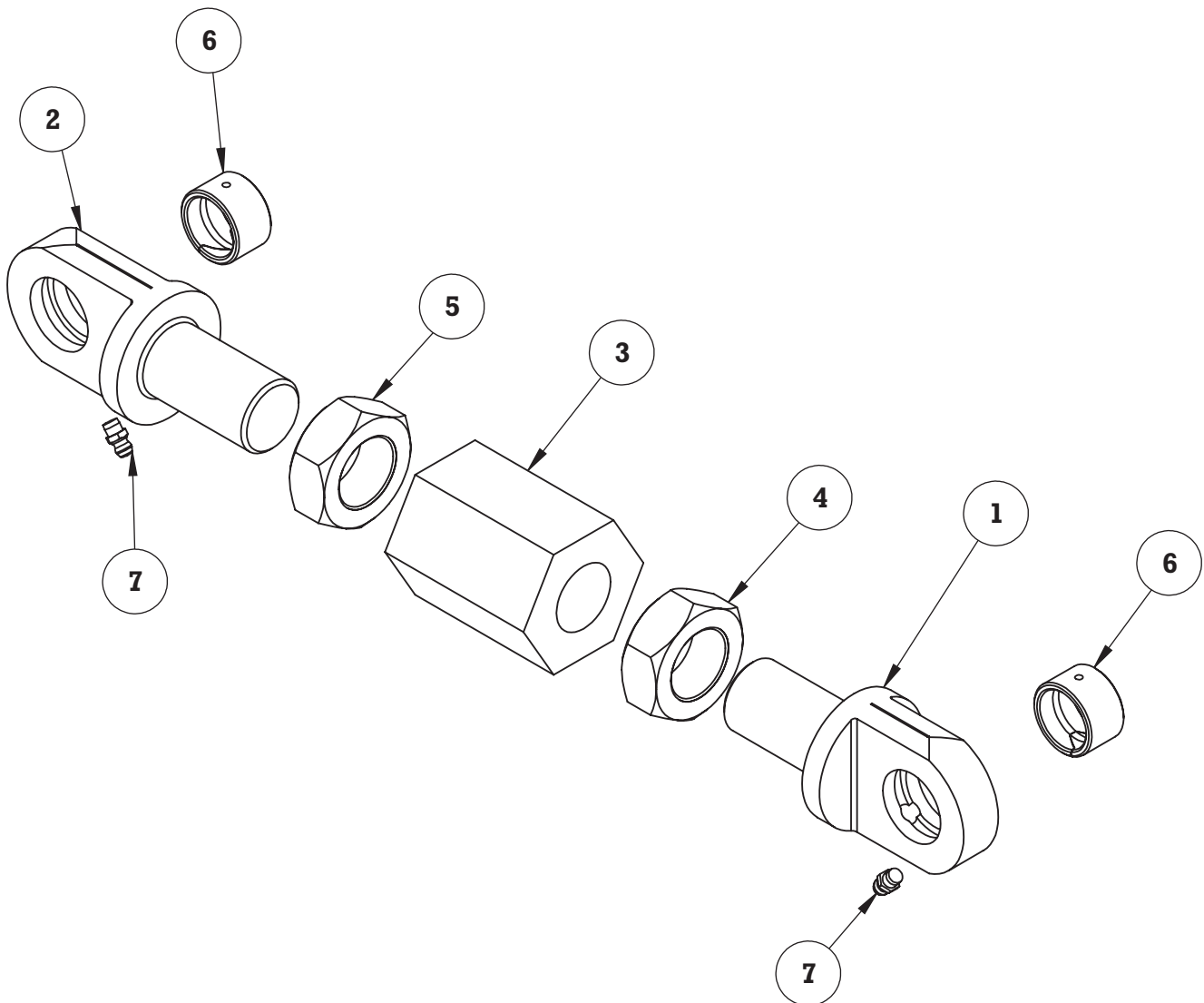
ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-20053	STEERING CONNECTING LINK
2	2	030-00096	SPRING BUSHING WITH ID GROOVE
3	2	210-00734	GREASE FITTING 1/4 - 28



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PATRIOT

ADJUSTABLE TIE ROD ASSEMBLY (098-21316)





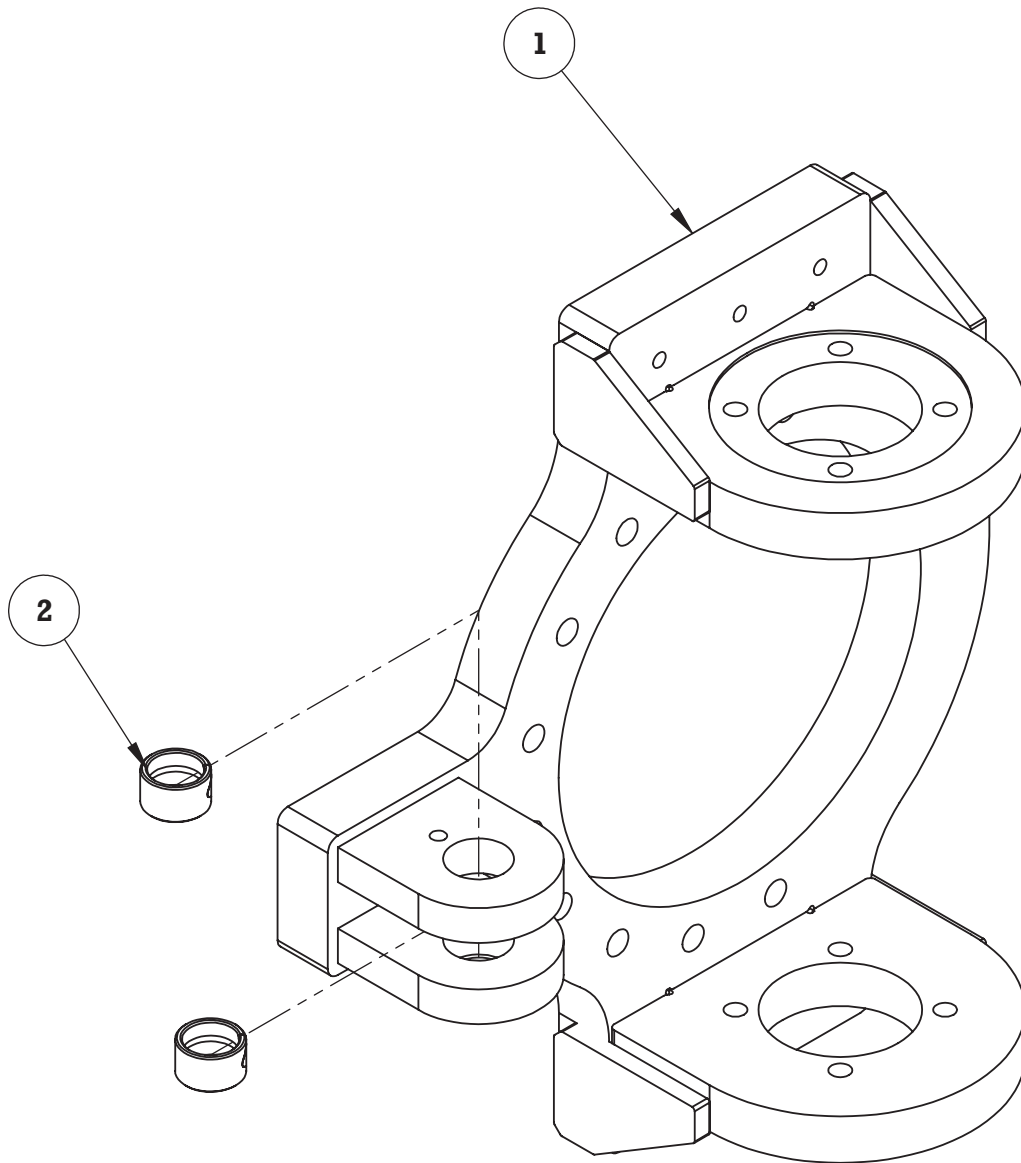
Bright Forklift

PATRIOT

ADJUSTABLE TIE ROD ASSEMBLY (098-21316)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-20218	ADJUSTABLE TIE ROD - MALE RH THREADS
2	1	098-20219	ADJUSTABLE TIE ROD - MALE LH THREADS
3	1	098-20220	ADJUSTABLE TIE ROD COUPLING
4	1	210-00901	1-1/4-12 HEX JAM NUT NF - RH THREADS
5	1	210-00902	1-1/4-12 HEX JAM NUT NF - LH THREADS
6	2	030-00096	SPRING BUSHING WITH ID GROOVE
7	2	210-00734	GREASE FITTING 1/4-28

YOKE ASSEMBLY (098-21312)





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PATRIOT

YOKE ASSEMBLY (098-21312)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	-	YOKE ASSEMBLY
2	2	030-00096	SPRING BUSHING



Bright Forklift

PATRIOT

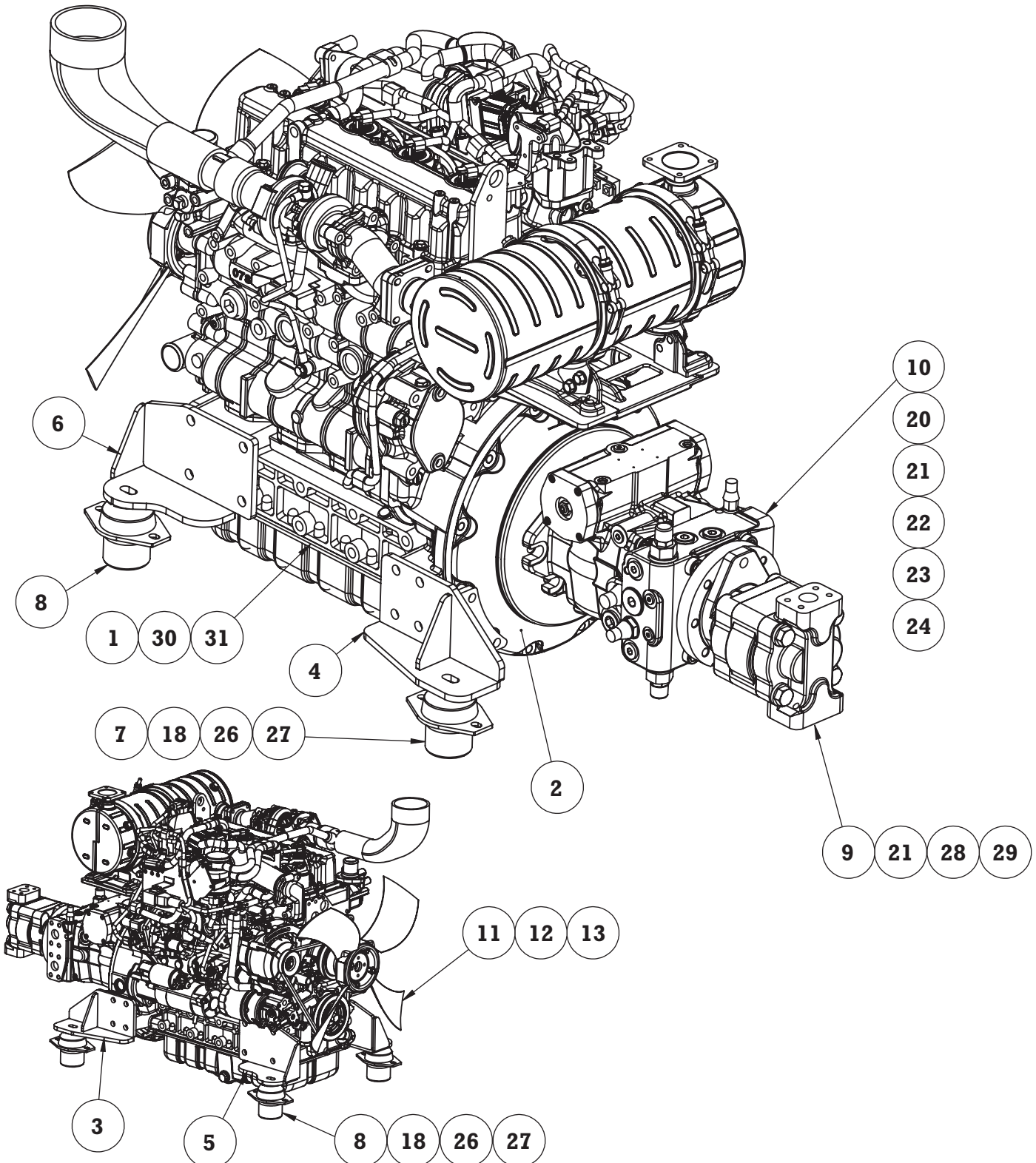
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POWERTRAIN ASSEMBLY - FOR HYDRAULIC FOOT PEDAL (098-21410H)





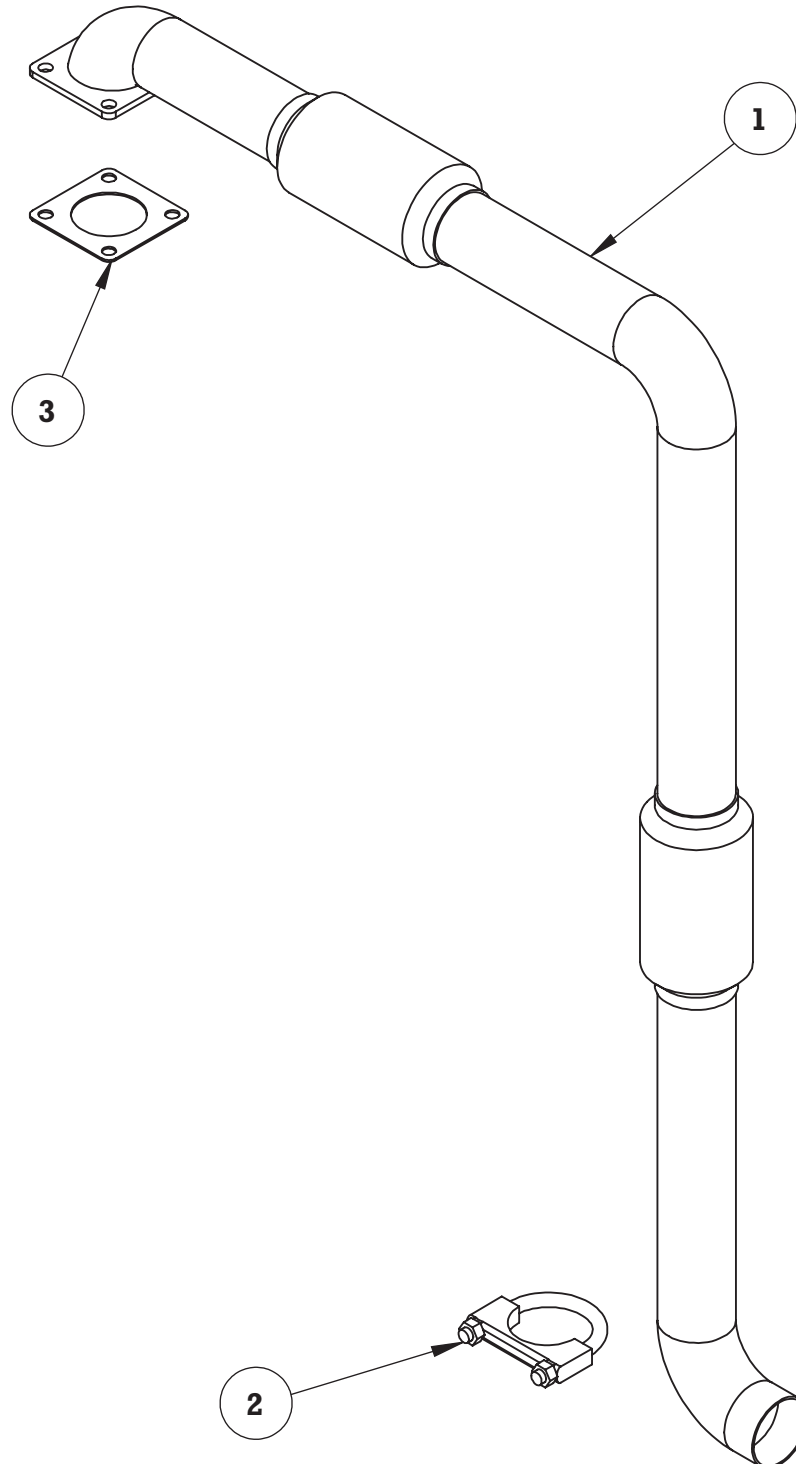
Bright Forklift

PATRIOT

POWERTRAIN ASSEMBLY - FOR HYDRAULIC FOOT PEDAL (098-21410H)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	097-24229	KUBOTA V3307-CR-TIE4B ENGINE
2	REF	097-24305	HAYES COUPLING
3	1	098-21411	REAR ENGINE SUPPORT WELDMENT - LEFT
4	1	097-25412	REAR ENGINE SUPPORT WELDMENT - RH (BD3-7570)
5	1	097-25413R	FRONT ENGINE SUPPORT WELDMENT (BD3-7570)
6	1	097-25413L	FRONT ENGINE SUPPORT WELDMENT (BD3-7570)
7	2	097-24262	HYDRO MOUNT (ANTI-VIBRATION ENGINE MOUNT - 60SH)
8	2	097-20841	HYDRO MOUNT (ANTI-VIBRATION ENGINE MOUNT - 50SH)
9	1	097-24102	HYDRAULIC GEAR PUMP
10	1	098-20100H	HYDROSTATIC PUMP - HYD FOOT PEDAL
11	1	097-24230	FAN - MULTI-WING, 20", 4 BLADE
12	1	097-20820	ENGINE FAN SPACER - 1-1/2"
13	4	850-01050	BOLT, HEX HEAD - M6 X 60, GR 10.9
14	5	097-20569	BOLT, HEX HEAD - M10 X 1.25 X 55
15	8	210-00712	BOLT, HEX HEAD - M12 X 1.25 X 25
16	8	210-00790	BOLT, HEX HEAD - M14 X 1.5 X 35
17	5	210-00345	LOCK WASHER, M10
18	12	210-00346	LOCK WASHER, M12
19	8	210-00820	LOCK WASHER, M14
20	4	210-00853	BOLT, HEX HEAD - ALL THREADED 1/2-13 X 2-1/2
21	8	210-00282-8	WASHER, FLAT - 1/2" SAE, GR 8
22	4	210-00195.1	NUT, HEX - 1/2" NYLOCK, GR 8
23	2	210-00888	BOLT, HEX HEAD - ALL THREADED 5/8-11 X 2-1/2
24	4	210-00367	WASHER, FLAT - 5/8" SAE, GR 8
25	2	210-00201-8	NUT, HEX - 5/8" NYLOCK, GR 8
26	4	210-00606	BOLT, HEX HEAD - M12 X 1.75 X 35
27	4	210-00372	WASHER, FLAT - M12
28	2	210-00018	BOLT, HEX HEAD - 1/2"-13NC X 1-1/2, GR 8
29	2	210-00311	WASHER, LOCK - 1/2" GR 8
30	1	098-20138	DIP STICK MOUNT
31	1	098-20139	DIP STICK

EXHAUST CIRCUIT ASSEMBLY (098-21412)





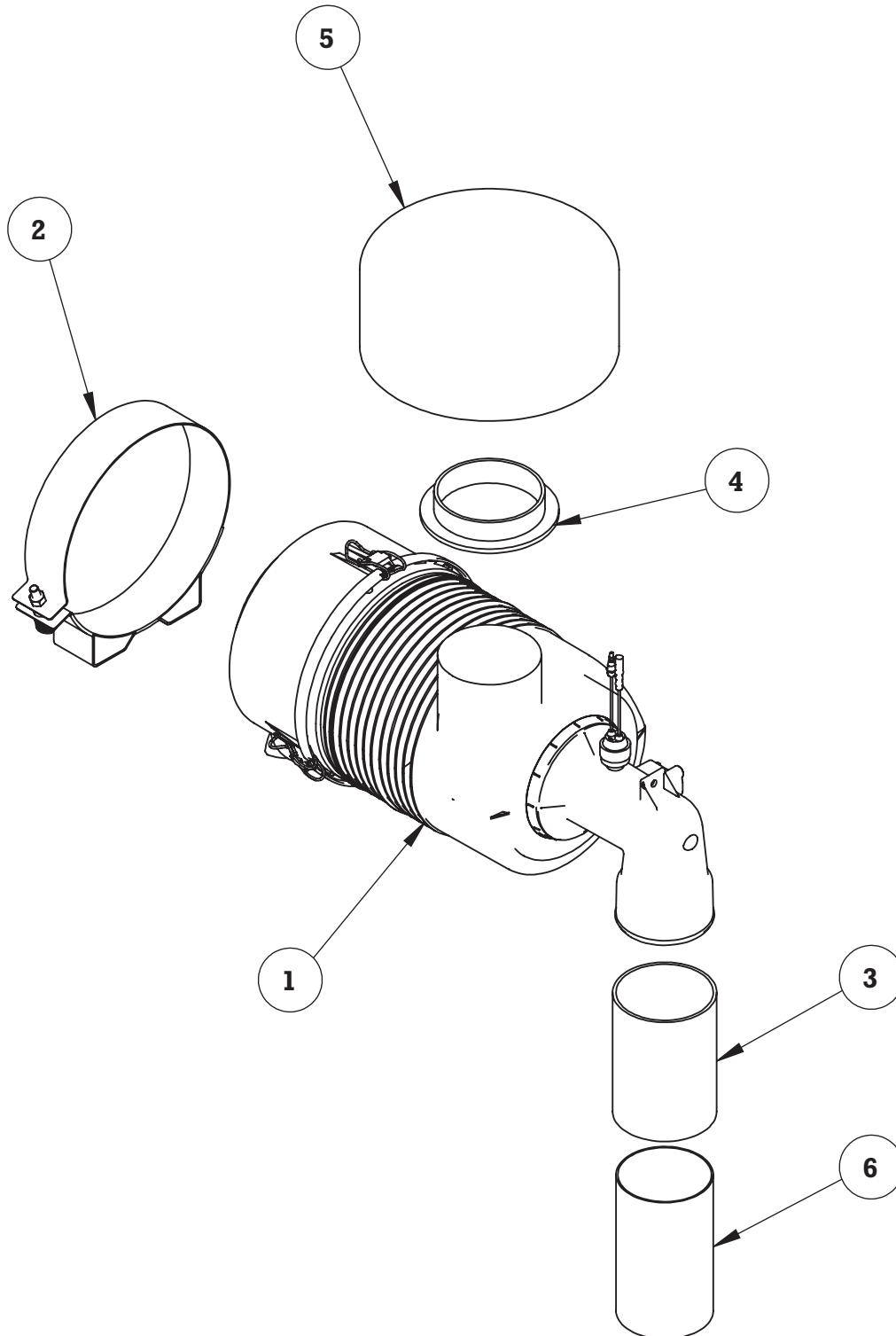
Bright Forklift

PATRIOT

EXHAUST CIRCUIT ASSEMBLY (098-21412)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21412W	EXHAUST WELDMENT
2	1	430-00370	2" MUFFLER CLAMP
3	1	097-00489	MUFFLER GASKET

AIR CLEANER CIRCUIT (098-21413)



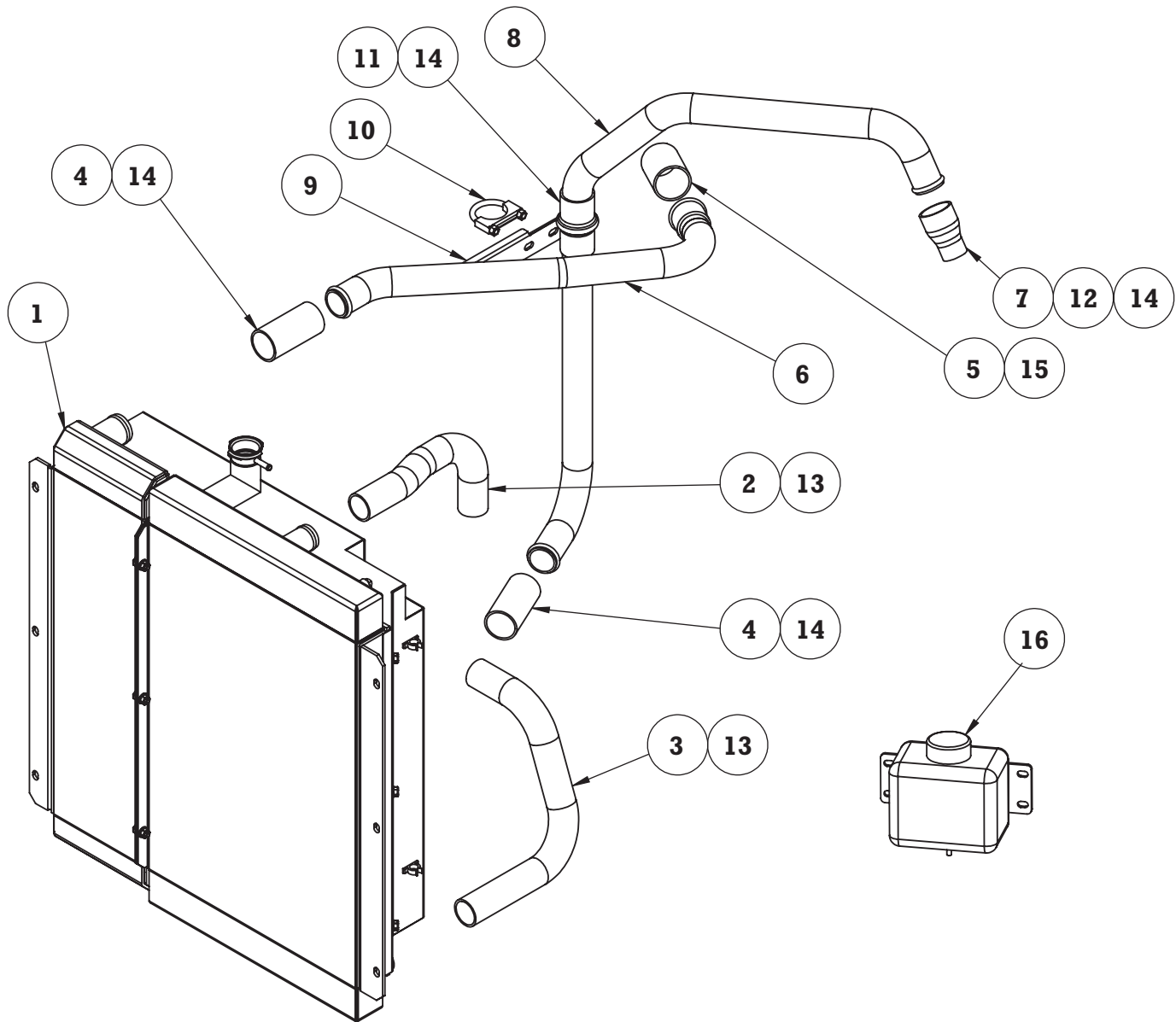


Bright Forklift

PATRIOT

AIR CLEANER CIRCUIT (098-21413)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	REF	097-24902	AIR CLEANER
2	REF	097-20964	AIR CLEANER CLAMP
	REF	097-20965	AIR CLEANER OUTER ELEMENT
	REF	097-20966	AIR CLEANER INNER ELEMENT
	REF	097-20967	VACUATOR VALVE
	REF	097-20968	END COVER ASSEMBLY
	REF	097-20969	END COVER CLAMP ONLY
3	REF	097-20822	RUBBER STRAIGHT COUPLING
4	1	098-01167	INSERT SLEEVE REDUCER - 4" TO 3-3/4"
5	1	098-00824	PRE-CLEANER
6	1	097-20824	INTAKE TUBE





Bright Forklift

PATRIOT

COOLING CIRCUIT ASSEMBLY (098-21414)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	097-24228	RADIATOR W/ CAC - BD3-7570
2	1	097-24263	UPPER RADIATOR HOSE (1-1/2 DIAMETER X 15-3/4")
3	1	098-20169	LOWER RADIATOR HOSE (1-1/2 DIAMETER X 22")
4	2	097-24265-01	CAC RUBBER END - RADIATOR SIDE
5	1	097-24265-02	UPPER CAC RUBBER END - ENGINE SIDE
6	1	097-24265-03	UPPER CAC CENTER PIPE
7	1	097-24266-02	LOWER CAC RUBBER END - ENGINE SIDE
8	1	097-24266-03	LOWER CAC CENTER PIPE
9	1	097-24267	CAC CLAMP BRACKET
10	1	097-20370	1-3/4" ZINC PLATED MUFFLER CLAMP
11	1	097-24316	HUMP COUPLER - 4"
12	1	330-00325	T-BOLT CLAMP 1-3/8 X 1-9/16
13	4	850-00563	HOSE CLAMP 13/16 X 1-3/4
14	7	370-00026	T-BOLT CLAMP 1-7/8 X 2-3/16
15	1	210-00453	T-BOLT CLAMP 2-1/8 X 2-3/8
16	1	097-20805	COOLANT TANK

NOTE: CUT ITEM #8 (LOWER CAC PIPE) TO REMOVE 1" TO INSTALL ITEM #11 (HUMP COUPLER) ABOVE MUFFLER CLAMP



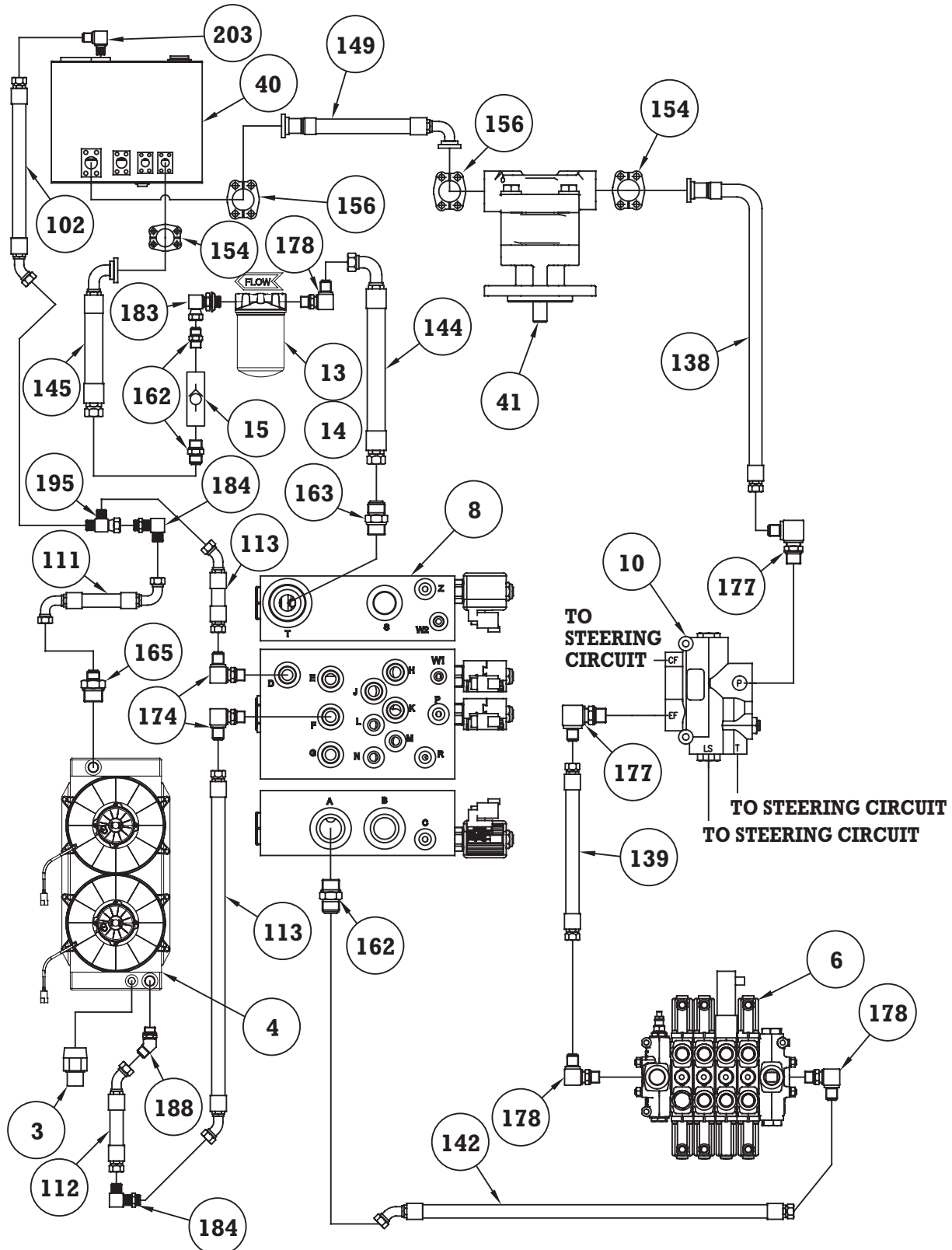
SECTION 4

FORKLIFT CIRCUITS

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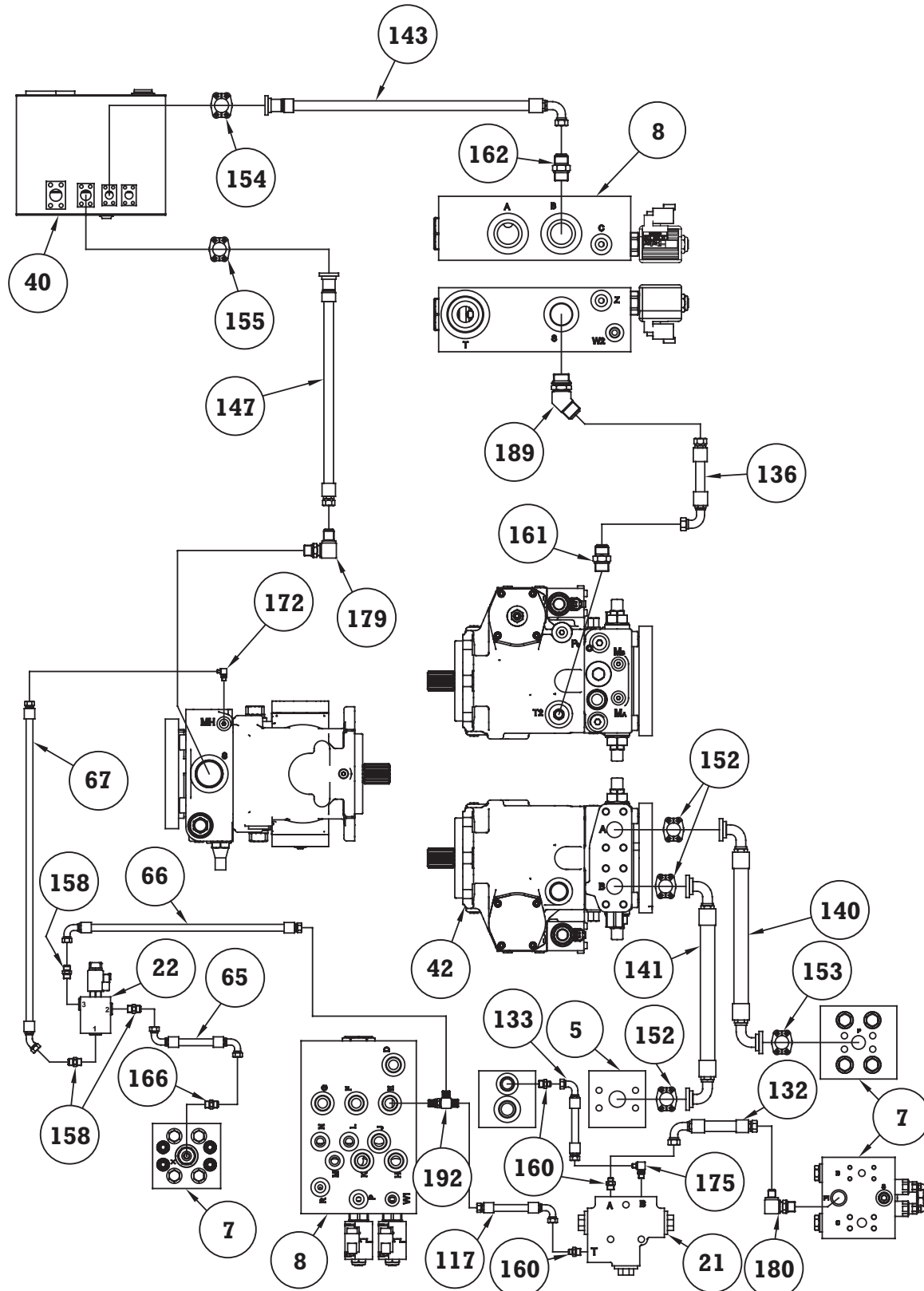
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MAIN CIRCUIT

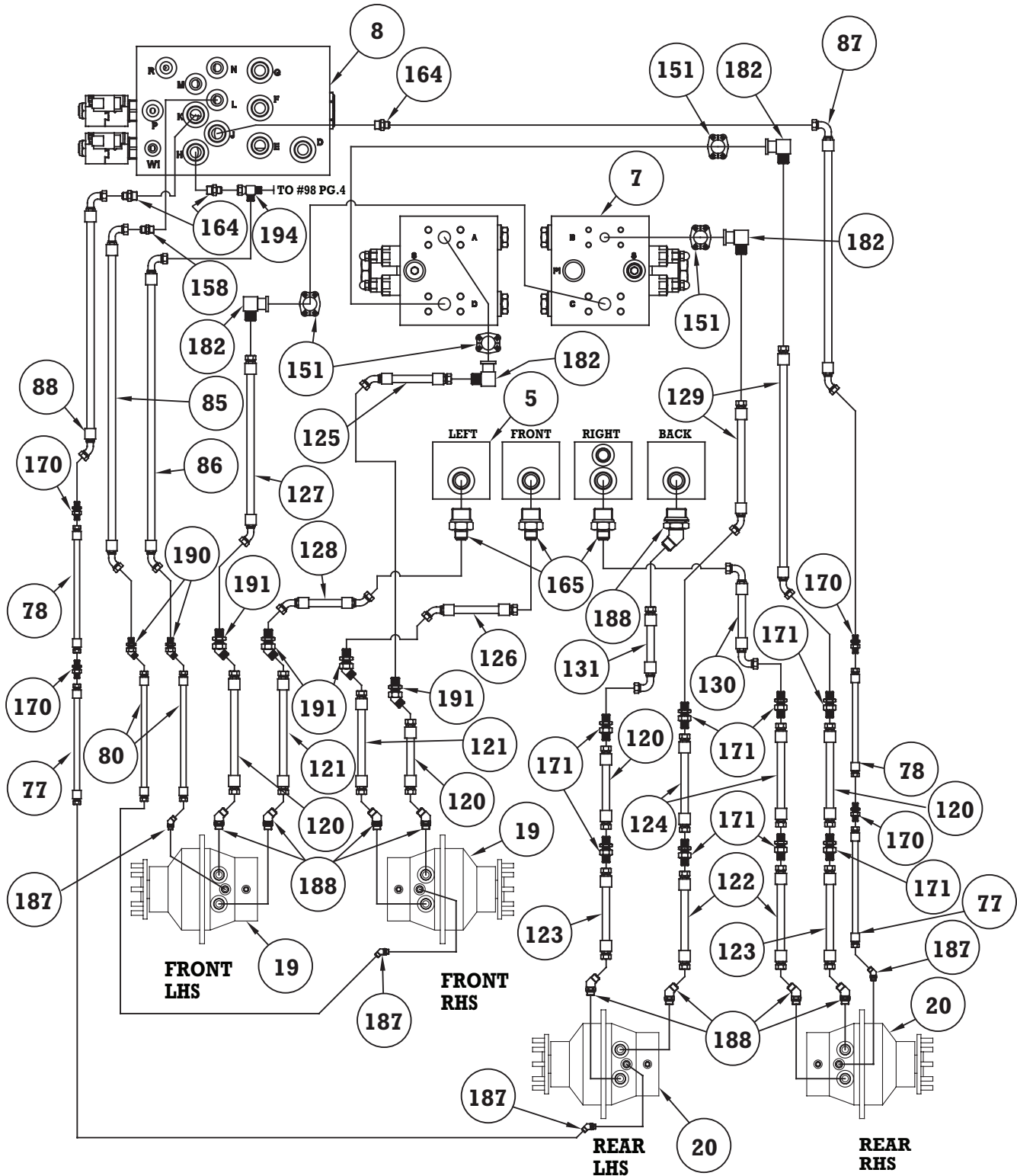


PATRIOT

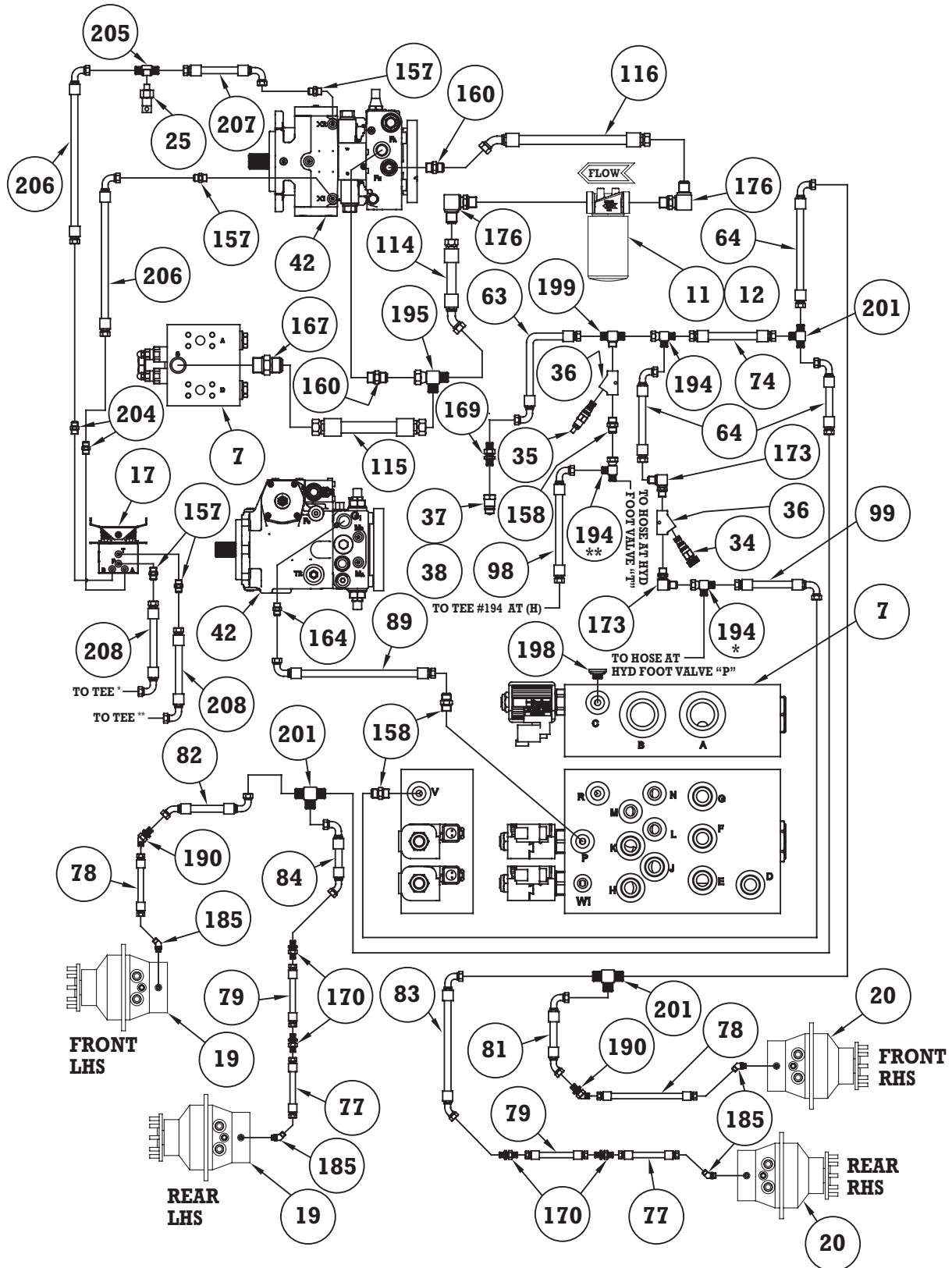
DRIVE CIRCUIT 1 OF 2 - (PUMP)



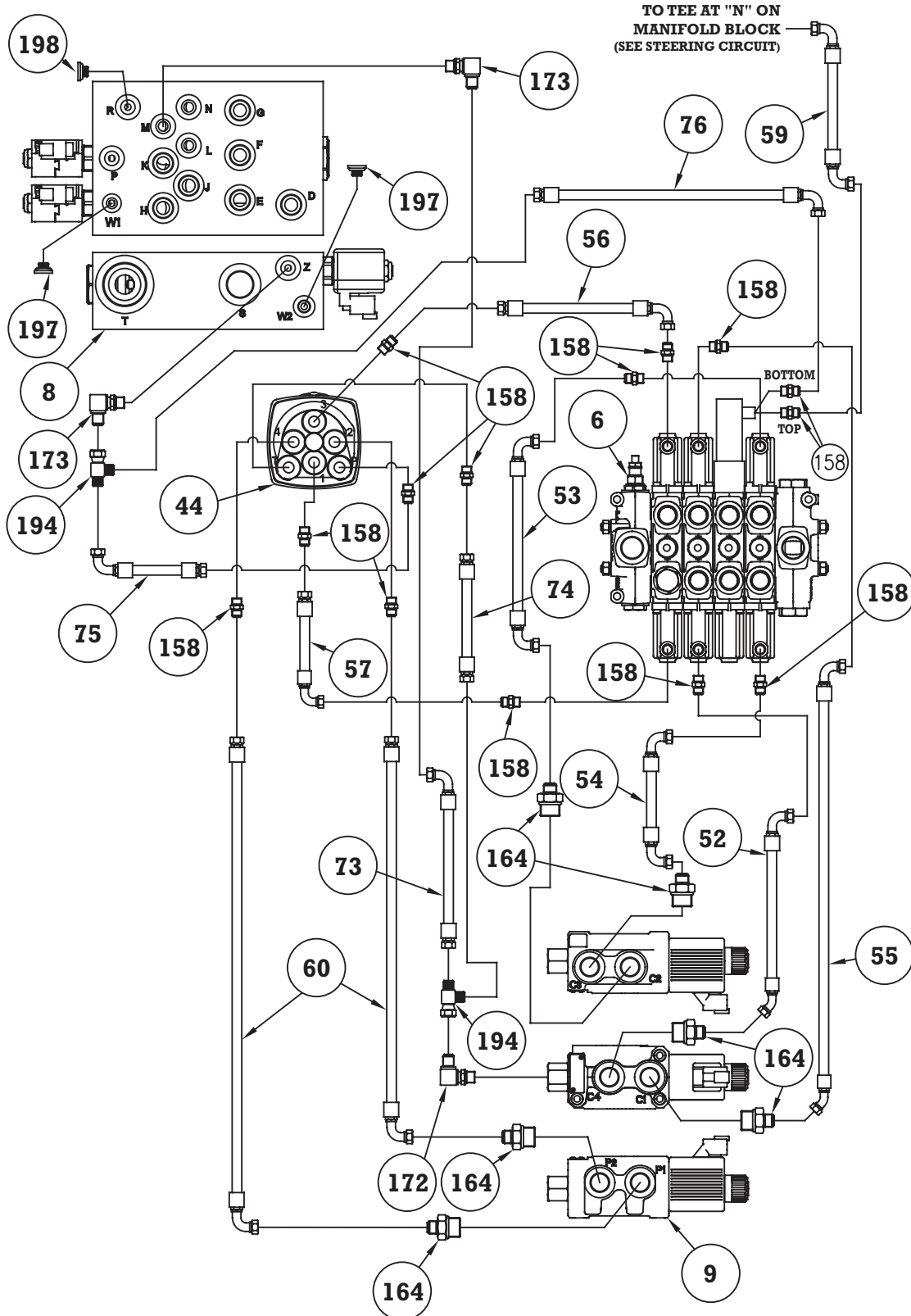
DRIVE CIRCUIT 2 OF 2 - (MOTORS)



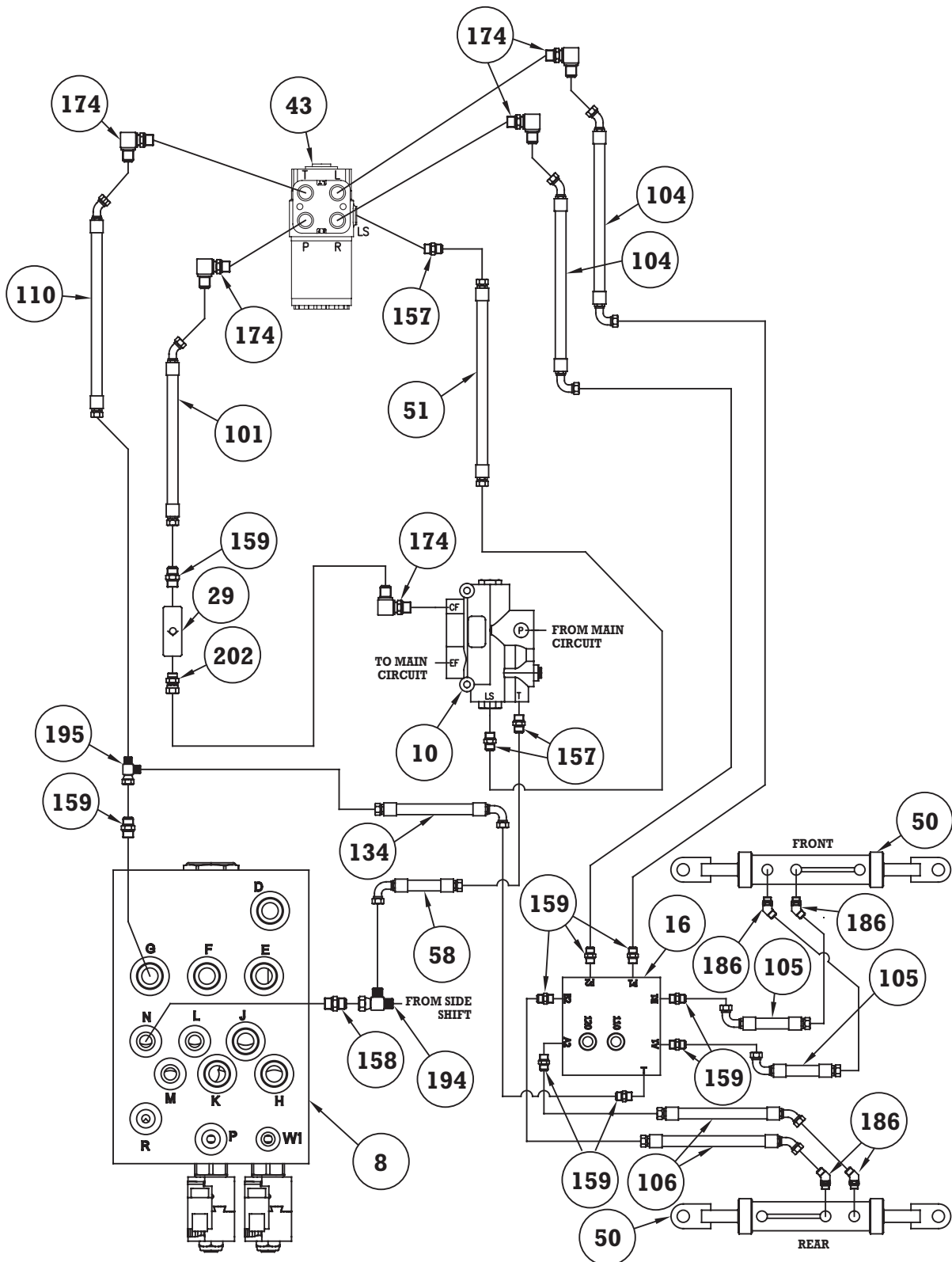
PARKING BRAKE CIRCUIT



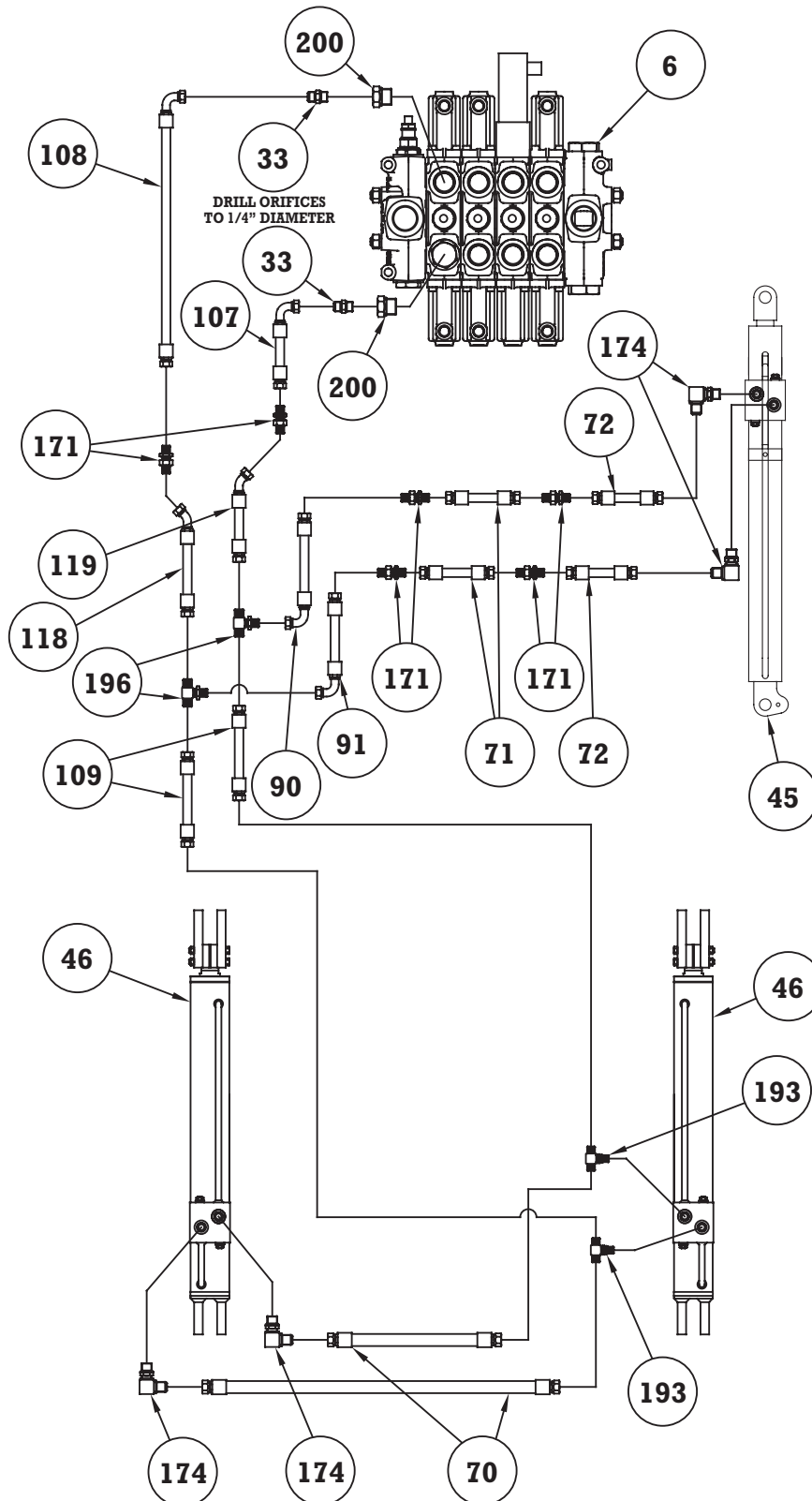
JOYSTICK & DIVERTER VALVE CIRCUITS



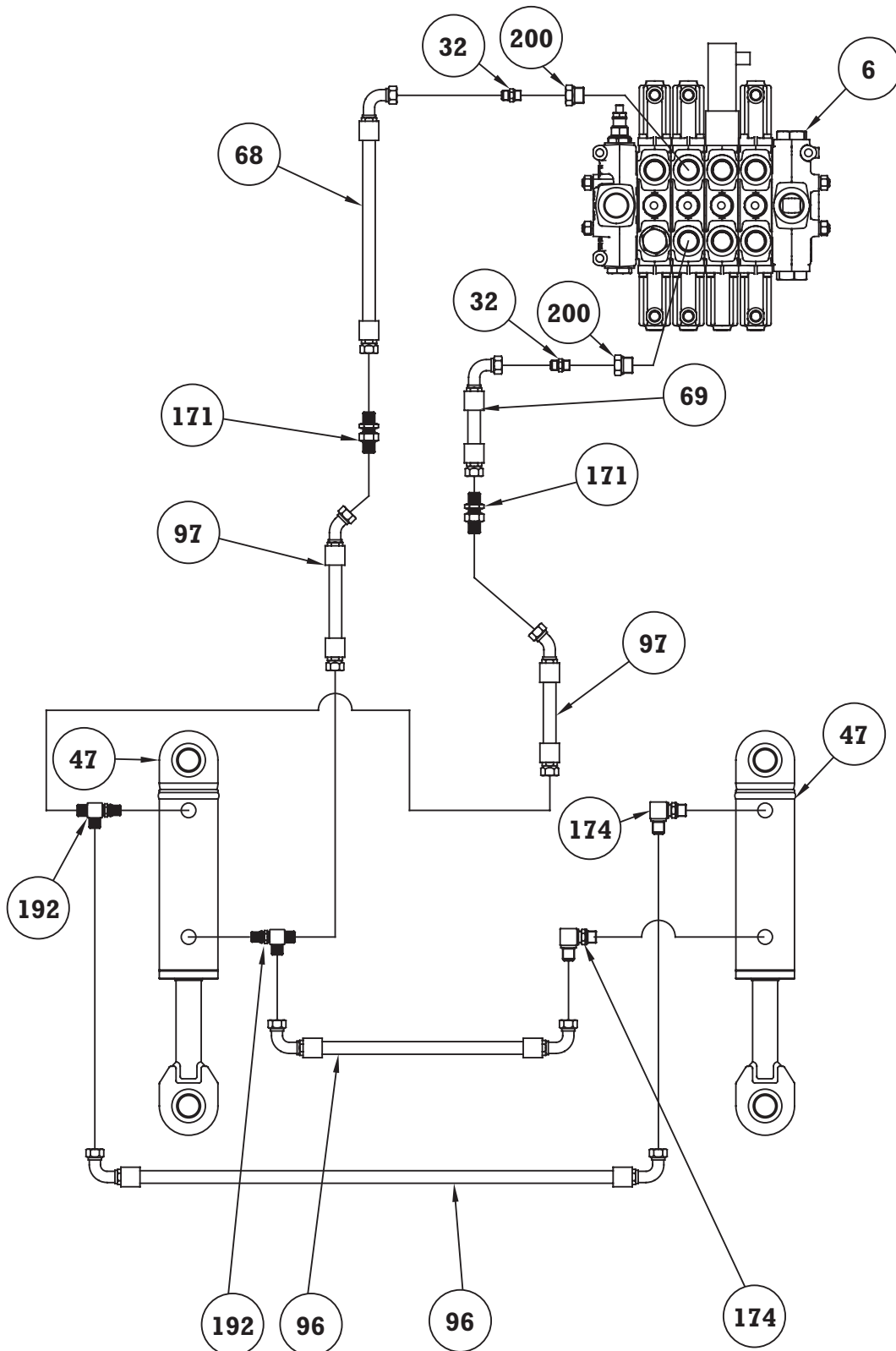
STEERING CIRCUIT



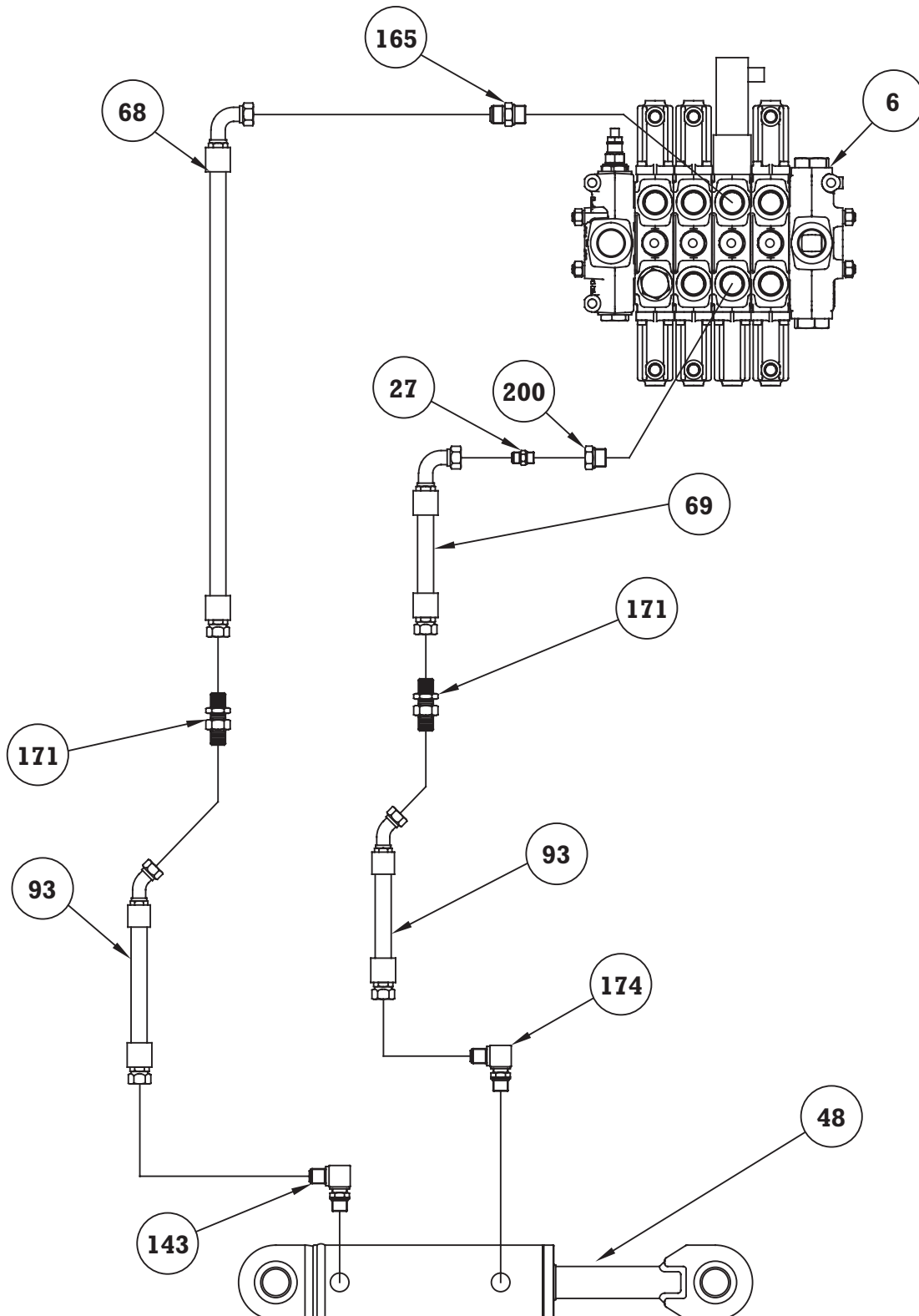
LIFT CIRCUIT



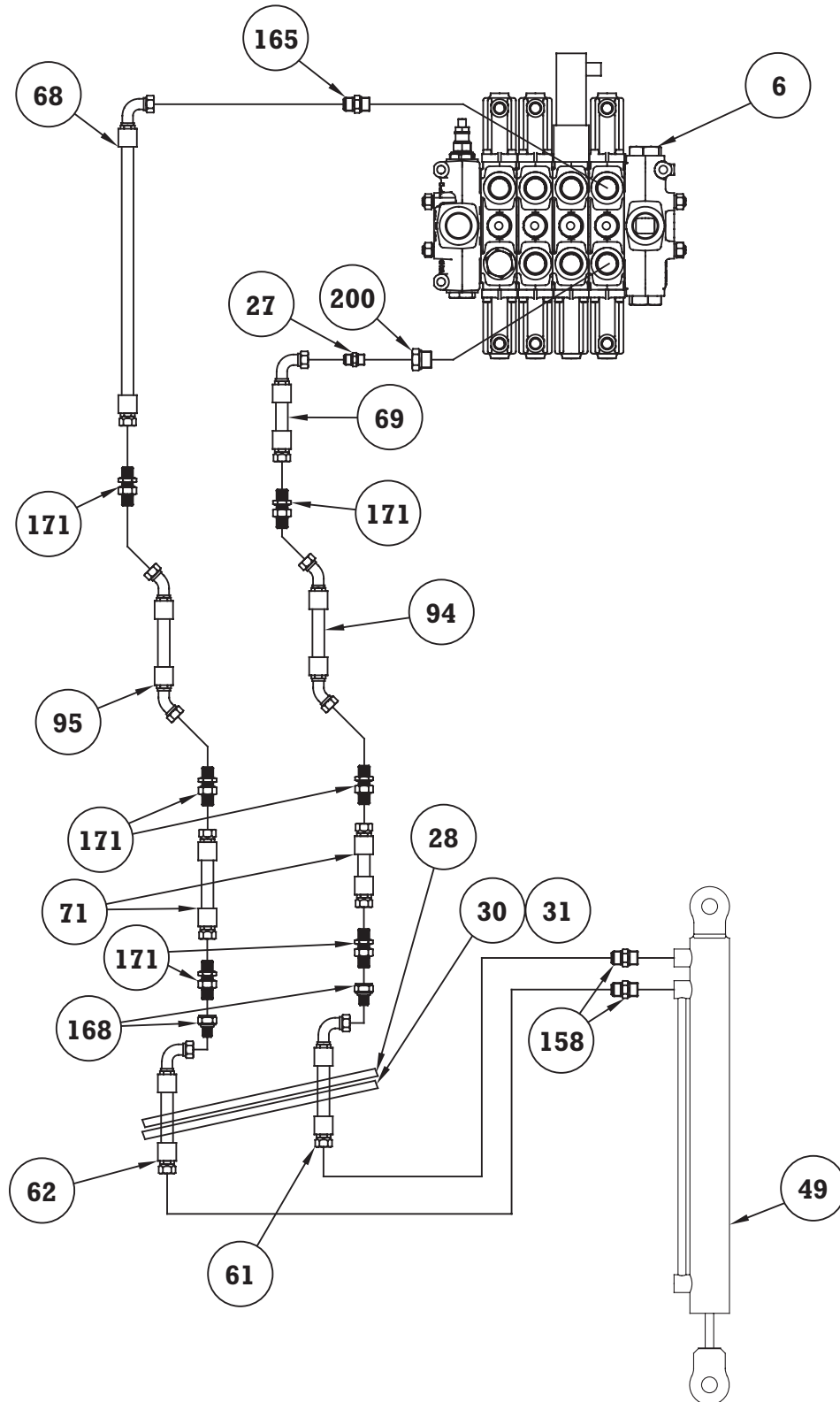
TILT CIRCUIT



SIDESHIFT CIRCUIT



ROTATOR CIRCUIT





Bright Forklift

PATRIOT

HYDRAULIC CIRCUIT PARTS DESCRIPTIONS BY ITEM NUMBER

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-20070H	HOSE KIT
2	1	098-20071H	ADAPTER KIT
3	1	097-20289	TEMPERATURE SWITCH
4	1	097-21519	OIL COOLER WITH CONNECTOR
5	1	098-20163	HEADER BLOCK SPLITTER - REVERSE CIRCUIT
6	1	098-20150	4-SECTION CONTROL VALVE
7	1	098-20078	TRACTION BLOCK
8	1	098-21513	MANIFOLD BLOCK ASSEMBLY (EXCLUDING TRACTION)
9	1	097-24105	DIVERTER VALVE
10	1	098-01496	PRIORITY VALVE
11	1	097-20286	PRESSURE FILTER HEAD
12	1	097-20287	PRESSURE FILTER ELEMENT
13	1	097-20194	RETURN FILTER HEAD
14	1	230-00060	RETURN FILTER ELEMENT
15	1	097-20368	RETURN CHECK VALVE
16	1	098-20212	STEERING SYNC VALVE
17	1	098-21204H	HYDRAULIC FOOT PEDAL VALVE ASSEMBLY
18			
19	2	098-20075	DRIVE MOTOR - FRONT
20	2	098-20073	DRIVE MOTOR - REAR
21	1	098-20080	FLUSHING VALVE
22	1	098-20079	TRACTION ENGAGE VALVE (DIFFERENTIAL LOCK)
23			
24			
25	1	097-20364	BACKUP ALARM SWITCH
26			
27	2	330-00633	ORIFICE FITTING - 1/16"
28	1	330-00174	3/8 CLAMPING DEVICE
29	1	810-00272	CHECK VALVE
30	1	097-20326	HYDRAULIC HOSE GUIDE
31	1	097-20327	HYDRAULIC HOSE GUIDE MOUNTING KIT
32	2	330-00837	ORIFICE FITTING - 3/32"
33	2	330-00854	ORIFICE FITTING - 5/32"
34	1	098-20223	ADJUSTABLE NEEDLE VALVE TO ACI



Bright Forklift

PATRIOT

HYDRAULIC CIRCUIT PARTS DESCRIPTIONS BY ITEM NUMBER

ITEM	QTY.	PART NUMBER	DESCRIPTION
35	1	098-20224	DIRECT-ACTING RELIEF VALVE TO ACI
36	2	098-20225	ACI INLINE CAVITY
37	1	330-00183	QUICK COUPLER FOR DTC
38	1	330-00857	DUST CAP FOR 330-00183
39			
40	1	098-21512	HYDRAULIC TANK ASSEMBLY
41	1	097-24102	HYDRAULIC GEAR PUMP
42	1	098-20100H	HYDROSTATIC PUMP
43	1	098-01497	STEERING UNIT
44	1	098-20143	JOYSTICK WITH PUSH BUTTON
45	1	097-20871	FREE LIFT CYLINDER
46	2	097-20442	LIFT CYLINDER
47	2	097-20180	TILT CYLINDER
48	1	097-20176	SIDE SHIFT CYLINDER
49	1	097-20444	ROTATE CYLINDER
50	2	098-20099	STEERING CYLINDER
51	1	098-20070-01	1/4" HOSE (STEERING VALVE "LS" TO PRIORITY VALVE "LS")
52	1	098-20070-02	1/4" HOSE (CONTROL VALVE TO DIVERTER VALVE "C1")
53	1	098-20070-03	1/4" HOSE (CONTROL VALVE TO DIVERTER VALVE "C2")
54	1	098-20070-04	1/4" HOSE (CONTROL VALVE TO DIVERTER VALVE "C3")
55	1	098-20070-05	1/4" HOSE (CONTROL VALVE TO DIVERTER VALVE "C4")
56	1	098-20070-06	1/4" HOSE (JOYSTICK TO CONTROL VALVE - LIFT)
57	1	098-20070-07	1/4" HOSE (JOYSTICK TO CONTROL VALVE - LIFT)
58	1	098-20070-08	1/4" HOSE (PRIORITY VALVE "T" TO MANIFOLD BLOCK "N")
59	1	098-20070-09	1/4" HOSE (SIDE SHIFT PILOT "T" TO MANIFOLD BLOCK "N")
60	2	098-20070-10	1/4" HOSE (JOYSTICK TO DIVERTER VALVE "P1", "P2")
61	1	097-20564	1/4" HOSE (INNER MAST BULKHEAD TO ROTATE CYLINDER BORE)
62	1	097-20565	1/4" HOSE (INNER MAST BULKHEAD TO ROTATE CYLINDER ROD)
63	1	098-20070-18	3/8" HOSE (ACI/RELIEF VALVE TO QUICK COUPLER)
64	3	098-20070-19	3/8" HOSE (ACI/ADJUSTER VALVE TO RHS/LHS WHEEL MOTORS)
65	1	098-20070-13	3/8" HOSE (TRACTION ON/OFF VALVE "2/A" TO TRACTION BLOCK "X")
66	1	098-20070-14	3/8" HOSE (TRACTION ON/OFF VALVE "3/T" TO MANIFOLD BLOCK "E")
67	1	098-20070-15	3/8" HOSE (TRACTION ON/OFF VALVE "1/P" TO PUMP "MH")
68	3	098-20070-16	3/8" HOSE (BULKHEAD TO SECTIONAL VALVE)



Bright Forklift

PATRIOT

HYDRAULIC CIRCUIT PARTS DESCRIPTIONS BY ITEM NUMBER

ITEM	QTY.	PART NUMBER	DESCRIPTION
69	3	098-20070-17	3/8" HOSE (BULKHEAD TO SECTIONAL VALVE)
70	2	097-20517	3/8" HOSE (RIGHT HAND SIDE LIFT CYLINDER TO LEFT HAND SIDE LIFT CYLINDER)
71	4	097-20519	3/8" HOSE (OUTER MAST BULKHEAD TO INNER MAST BULKHEAD)
72	2	097-20872	3/8" HOSE (INNER MAST BULKHEAD TO FREE LIFT CYLINDER)
73	1	098-20070-20	3/8" HOSE (TEE FROM DIVERTER VALVE TO MANIFOLD BLOCK "M")
74	2	098-20070-21	3/8" HOSE (JOYSTICK TO TEE AT DIVERTER VALVE)
75	1	098-20070-22	3/8" HOSE (JOYSTICK TO MANIFOLD BLOCK "Z")
76	1	098-20070-23	3/8" HOSE (SIDE SHIFT PILOT "P" TO MANIFOLD BLOCK "Z")
77	4	098-20070-24	3/8" HOSE (REAR MOTOR DRAIN & PARKING BRAKE TO BULKHEAD)
78	4	098-20070-25	3/8" HOSE (REAR MOTOR DRAIN BULKHEAD TO BULKHEAD & FRONT MOTOR TO BULKHEAD FOR PARKING BRAKE)
79	2	098-20070-26	3/8" HOSE (REAR MOTOR BULKHEAD TO BULKHEAD FOR PARKING BRAKE)
80	2	098-20070-27	3/8" HOSE (FRONT MOTOR DRAIN TO BULKHEAD)
81	1	098-20070-28	3/8" HOSE (RIGHT HAND FRONT PARKING BRAKE BULKHEAD TO MANIFOLD BLOCK "C")
82	1	098-20070-29	3/8" HOSE (LEFT HAND FRONT PARKING BRAKE TO MANIFOLD BLOCK "V")
83	1	098-20070-30	3/8" HOSE (RIGHT HAND REAR PARKING BRAKE BULKHEAD TO MANIFOLD BLOCK "C")
84	1	098-20070-31	3/8" HOSE (LEFT HAND REAR PARKING BRAKE TO MANIFOLD BLOCK "V")
85	1	098-20070-32	3/8" HOSE (RIGHT HAND FRONT MOTOR DRAIN BULKHEAD TO MANIFOLD BLOCK "L")
86	1	098-20070-33	3/8" HOSE (LEFT HAND FRONT MOTOR DRAIN BULKHEAD TO MANIFOLD BLOCK "H")
87	1	098-20070-34	3/8" HOSE (RIGHT HAND REAR MOTOR DRAIN BULKHEAD TO MANIFOLD BLOCK "J")
88	1	098-20070-35	3/8" HOSE (LEFT HAND REAR MOTOR DRAIN BULKHEAD TO MANIFOLD BLOCK "K")
89	1	098-20070-36	3/8" HOSE (HYDROSTATIC PUMP "PS" TO MANIFOLD BLOCK "P")
90	1	098-20070-39	3/8" HOSE (TOP TEE BULKHEAD TO OUTER MAST BULKHEAD (FLIFT))
91	1	098-20070-40	3/8" HOSE (BOTTOM TEE BULKHEAD TO OUTER MAST BULKHEAD (FLIFT))
92			
93	2	098-20070-42	3/8" HOSE (BULKHEAD TO SIDE SHIFT CYLINDER)
94	1	098-20070-43	3/8" HOSE (TOP BULKHEAD TO RIGHT HAND SIDE MAST BULKHEAD (ROTATOR))
95	1	098-20070-44	3/8" HOSE (BOTTOM BULKHEAD TO LEFT HAND SIDE MAST BULKHEAD (ROTATOR))
96	2	097-20692	3/8" HOSE (RIGHT HAND SIDE TILT CYLINDER TO LEFT HAND SIDE TILT CYLINDER)
97	2	097-20693	3/8" HOSE (TOP BULKHEAD TO TILT CYLINDER BORE SIDE)
98	1	098-20070-37	3/8" HOSE (ACI/ADJUSTER VALVE TO LEFT HAND STEER WHEEL MOTORS (DTC))
99	1	098-20070-38	3/8" HOSE (DTC ACI/RELIEF VALVE TO TEE ON "H")
100			
101	1	098-20070-47	1/2" HOSE (STEERING VALVE "P" TO CHECK VALVE)
102	1	098-20070-66	1/2" HOSE (COOLER OUTLET TEE TO HYDRAULIC TANK)
103			



Bright Forklift

PATRIOT

HYDRAULIC CIRCUIT PARTS DESCRIPTIONS BY ITEM NUMBER

ITEM	QTY.	PART NUMBER	DESCRIPTION
104	2	098-20070-50	1/2" HOSE (STEER VALVE "R/L" TO SYNC VALVE)
105	2	098-20070-51	1/2" HOSE (FRONT STEER CYLINDER TO SYNC VALVE)
106	2	098-20070-52	1/2" HOSE (REAR STEER CYLINDER TO SYNC VALVE)
107	1	098-20070-53	1/2" HOSE (LIFT CYLINDER UP BULKHEAD TO SECTIONAL VALVE)
108	1	098-20070-54	1/2" HOSE (LIFT CYLINDER DOWN BULKHEAD TO SECTIONAL VALVE)
109	2	098-20070-55	1/2" HOSE (TEE BULKHEAD TO RIGHT HAND SIDE LIFT CYLINDER BORE SIDE)
110	1	098-20070-58	1/2" HOSE (STEERING VALVE "T" TO MANIFOLD BLOCK "G")
111	1	098-20070-59	1/2" HOSE (COOLER TO BULKHEAD FOR MANIFOLD BLOCK "D")
112	1	098-20070-60	1/2" HOSE (COOLER TO BULKHEAD FOR MANIFOLD BLOCK "F")
113	2	098-20070-61	1/2" HOSE (COOLER BULKHEAD FOR MANIFOLD BLOCK "D" & "F")
114	1	098-20070-62	1/2" HOSE (HYDROSTATIC PUMP "Fa" TO HP FILTER)
115	1	098-20070-63	1/2" HOSE (HYDROSTATIC PUMP "Fa" TRACTION BLOCK "S")
116	1	098-20070-64	1/2" HOSE (HYDROSTATIC PUMP "Fe" TO HP FILTER)
117	1	098-20070-65	1/2" HOSE (FLUSHING VALVE "T" TO MANIFOLD BLOCK "E")
118	1	098-20070-68	1/2" HOSE (TOP BULKHEAD TO TEE BULKHEAD (LIFT))
119	1	098-20070-69	1/2" HOSE (BOTTOM BULKHEAD TO TEE BULKHEAD (LIFT))
120	4	098-20070-72	1/2" HOSE (FRONT MOTOR TOP TO BULKHEAD & REAR MOTOR BULKHEAD TO BULKHEAD - MOTOR BOTTOM CONNECTION)
121	2	098-20070-73	1/2" HOSE (FRONT MOTOR BOTTOM TO BULKHEAD)
122	2	098-20070-74	1/2" HOSE (REAR MOTOR TOP TO BULKHEAD)
123	2	098-20070-75	1/2" HOSE (REAR MOTOR BOTTOM TO BULKHEAD)
124	2	098-20070-76	1/2" HOSE (REAR MOTOR BULKHEAD TO BULKHEAD - MOTOR TOP CONNECTION)
125	1	098-20070-77	1/2" HOSE (RIGHT HAND FRONT MOTOR FORWARD TO TRACTION BLOCK "A")
126	1	098-20070-78	1/2" HOSE (RIGHT HAND FRONT MOTOR REVERSE TO SPLITTER BLOCK)
127	1	098-20070-79	1/2" HOSE (LEFT HAND FRONT MOTOR FORWARD TO TRACTION BLOCK "C")
128	1	098-20070-80	1/2" HOSE (LEFT HAND FRONT MOTOR REVERSE TO SPLITTER BLOCK)
129	2	098-20070-81	1/2" HOSE (RIGHT HAND REAR MOTOR FORWARD TO TRACTION BLOCK "D" & LEFT HAND REAR MOTOR FORWARD TO TRACTION BLOCK "B")
130	1	098-20070-82	1/2" HOSE (RIGHT HAND REAR MOTOR REVERSE TO SPLITTER BLOCK)
131	1	098-20070-83	1/2" HOSE (LEFT HAND REAR MOTOR REVERSE TO SPLITTER BLOCK)
132	1	098-20070-84	1/2" HOSE (FLUSHING VALVE "A" TO TRACTION BLOCK "P1")
133	1	098-20070-85	1/2" HOSE (FLUSHING VALVE "B" TO SPLITTER BLOCK)
134	1	098-20070-56	1/2" HOSE (SYNC VALVE "T" TO TEE AT MANIFOLD BLOCK "G")
135			
136	1	097-20739	3/4"HOSE (HYDROSTATIC PUMP TO MANIFOLD BLOCK "S")
137			



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PATRIOT

HYDRAULIC CIRCUIT PARTS DESCRIPTIONS BY ITEM NUMBER

ITEM	QTY.	PART NUMBER	DESCRIPTION
138	1	098-20070-89	1" HOSE (HYDRAULIC GEAR PUMP TO PRIORITY VALVE "P")
139	1	098-20070-90	1" HOSE (PRIORITY VALVE "EF" TO CONTROL VALVE)
140	1	098-20070-92	1" HOSE (HYDROSTATIC PUMP "A" TO TRACTION BLOCK "P")
141	1	098-20070-93	1" HOSE (HYDROSTATIC PUMP "B" TO REVERSE SPLITTER BLOCK TOP)
142	1	098-20070-95	1" HOSE (CONTROL VALVE TO MANIFOLD BLOCK "A")
143	1	098-20070-96	1" HOSE (HYDRAULIC TANK TO MANIFOLD BLOCK "B")
144	1	098-20070-97	1" HOSE (HYDRAULIC RETURN FILTER TO MANIFOLD BLOCK "T")
145	1	098-20070-98	1" HOSE (HYDRAULIC RETURN FILTER TO HYDRAULIC TANK)
146			
147	1	098-20070-100	1-1/4" HOSE (HYDRAULIC TANK TO HYDROSTATIC PUMP)
148			
149	1	098-20070-102	1-1/2" HOSE (HYDRAULIC TANK TO HYDRAULIC GEAR PUMP)
150			
151	4	330-00841	SPLIT FLANGE KIT - 3/4" (CODE 62)
152	3	330-00339	SPLIT FLANGE KIT - 1" (CODE 62)
153	1	330-00840	SPLIT FLANGE KIT - 1-1/4" (CODE 62)
154	3	330-00672	SPLIT FLANGE KIT - 1" (CODE 61)
155	1	330-00820	SPLIT FLANGE KIT - 1-1/4" (CODE 61)
156	2	330-00673	SPLIT FLANGE KIT - 1-1/2" (CODE 61)
157	7	330-00042	STRAIGHT THREAD CONNECTION (#4 ORB - #4 JIC)
158	24	330-00043	STRAIGHT THREAD CONNECTION (#6 ORB - #6 JIC)
159	14	330-00046	STRAIGHT THREAD CONNECTION (#8 ORB - #8 JIC)
160	5	330-00036	STRAIGHT THREAD CONNECTION (#10 ORB - #8 JIC)
161	1	330-00037	STRAIGHT THREAD CONNECTION (#12 ORB - #12 JIC)
162	4	330-00237	STRAIGHT THREAD CONNECTION (#16 ORB - #16 JIC)
163	1	330-00810	STRAIGHT THREAD CONNECTION (#20 ORB - #16 JIC)
164	10	330-00045	STRAIGHT THREAD CONNECTION (#8 ORB - #6 JIC)
165	6	330-00039	STRAIGHT THREAD CONNECTION (#12 ORB - #8 JIC)
166	1	330-00714	STRAIGHT THREAD CONNECTION (M14 X 1.5 - #6 JIC)
167	1	330-00839	STRAIGHT THREAD CONNECTION (M22 X 1.5 - #12 JIC)
168	2	330-00103	STRAIGHT THREAD REDUCER (#6 JICM - #6 JICF)
169	1	330-00767	MALE BULKHEAD CONNECTOR (#8 NPT - #8 JIC)
170	8	330-00658	BULKHEAD UNION CONNECTION (#6 ORB - #6 JIC)
171	24	330-00659	BULKHEAD UNION CONNECTION (#8 ORB - #8 JIC)
172	2	330-00363	STRAIGHT THREAD ELBOW (#4 ORB - #6 JIC)
173	4	330-00114	STRAIGHT THREAD ELBOW (#6 ORB - #6 JIC)

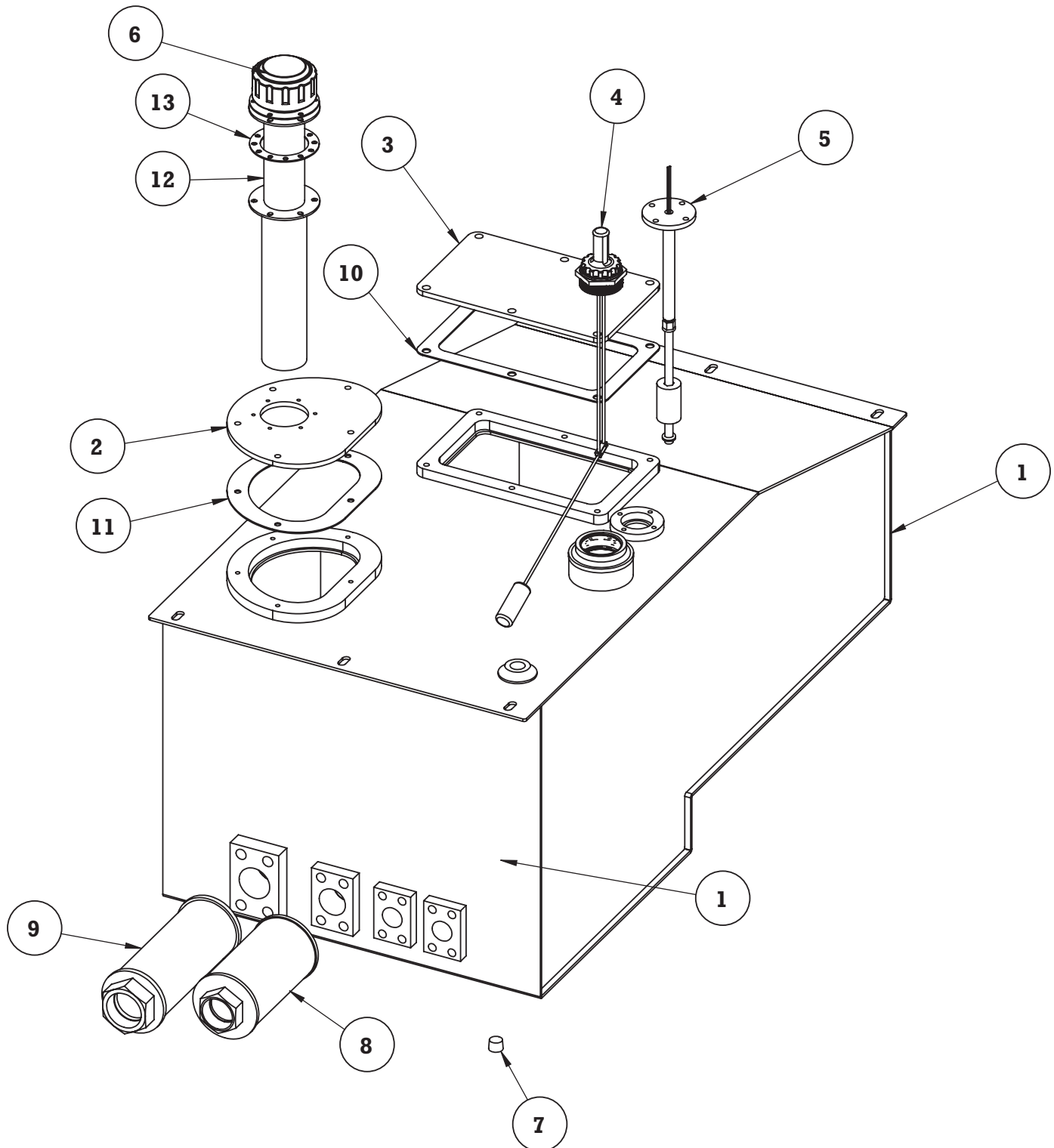


Bright Forklift

PATRIOT

HYDRAULIC CIRCUIT PARTS DESCRIPTIONS BY ITEM NUMBER

ITEM	QTY.	PART NUMBER	DESCRIPTION
174	15	330-00115	STRAIGHT THREAD ELBOW (#8 ORB - #8 JIC)
175	1	330-00107	STRAIGHT THREAD ELBOW (#10 ORB - #8 JIC)
176	2	330-00662	STRAIGHT THREAD ELBOW (#12 ORB - #8 JIC)
177	2	330-00109	STRAIGHT THREAD ELBOW (#12 ORB - #16 JIC)
178	3	330-00111	STRAIGHT THREAD ELBOW (#16 ORB - #16 JIC)
179	1	330-00112	STRAIGHT THREAD ELBOW (#20 ORB - #20 JIC)
180	1	330-00715	STRAIGHT THREAD ELBOW (M22 X 1.5 - #12 JIC)
181			
182	4	330-00852	ELBOW (3/4" CODE 62 FLANGE - #12 JIC)
183	1	330-00663	SWIVEL STRAIGHT THREAD ELBOW (#16 ORB - #16 JIC)
184	2	330-00105	BULKHEAD UNION ELBOW (#8 ORB - #8 JIC)
185	4	330-00842	STRAIGHT THREAD 45° ELBOW (#6 ORB - #6 JIC)
186	4	330-00562	STRAIGHT THREAD 45° ELBOW (#8 ORB - #8 JIC)
187	4	330-00843	STRAIGHT THREAD 45° ELBOW (#8 ORB - #6 JIC)
188	10	330-00661	STRAIGHT THREAD 45° ELBOW (#12 ORB - #8 JIC)
189	1	330-00851	STRAIGHT THREAD 45° ELBOW (#12 ORB - #12 JIC)
190	4	330-00844	BULKHEAD UNION 45° ELBOW (#6 ORB - #6 JIC)
191	4	330-00660	BULKHEAD UNION 45° ELBOW (#8 ORB - #8 JIC)
192	3	330-00667	STRAIGHT THREAD RUN TEE (#8 ORB - #8 JIC - #8 JIC)
193	2	330-00117	STRAIGHT THREAD BRANCH TEE (#8 ORB - #8 JIC - #8 JIC)
194	5	330-00731	SWIVEL NUT RUN TEE (#6 JICF - #6 JICM - #6 JICM)
195	3	330-00243	SWIVEL NUT RUN TEE (#8 JICF - #8 JICM - #8 JICM)
196	2	330-00131	BULKHEAD UNION BRANCH TEE (#8 JICM - #8 JICM - #8 JICM)
197	2	330-00669-1	HOLLOW HEX PLUG (#4 ORB)
198	2	330-00669	HOLLOW HEX PLUG (#6 ORB)
199	1	330-00116	STRAIGHT THREAD BRANCH TEE (#6 JIC - #6 JIC - #6 ORB)
200	6	330-00311	STRAIGHT ADAPTER (#12 ORB(M) - #8 ORB(F))
201	3	330-00241	"TEE" UNION MALE (#6 JICM - #6 JICM - #6 JICM)
202	1	330-00631	SWIVEL STRAIGHT THREAD (#8 JIC - #8 ORB)
203	1	330-00095	STRAIGHT THREAD ELBOW (#8 NPT - #8 JIC)
204	2	330-00564	STRAIGHT THREAD CONNECTOR (#4 ORB - #6 JIC)
205	1	330-00657	FEMALE THREAD BRANCH TEE (#4 JIC - #4 JIC - #4 NPT)
206	2	098-20070-104	1/4" HOSE (FNR VALVE CONTROL TO PUMP)
207	1	098-20070-105	1/4" HOSE (PUMP TO B/UP PRESSURE SWITCH)
208	2	098-20070-106	3/8" HOSE (FNR VALVE TO P & T)



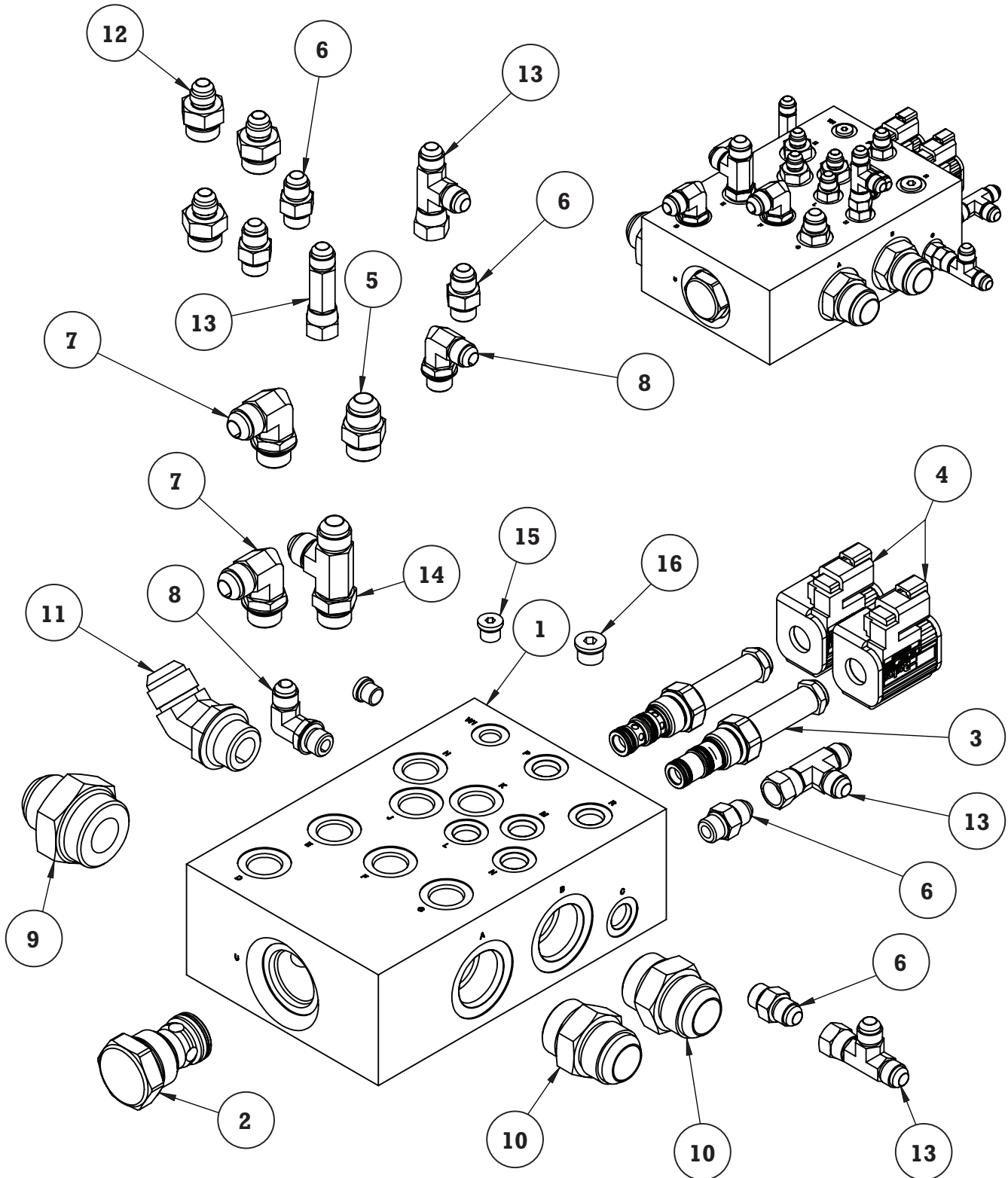


Bright Forklift

PATRIOT

HYDRAULIC TANK ASSEMBLY (098-21512)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21511	HYDRAULIC TANK WELDMENT
2	1	097-20160	HYD. TANK CLEANOUT PLATE
3	1	097-24025	HYD TANK CLEANOUT COVER
4	1	098-20088	KRUEGER THERMA TYPE H GAGE
5	1	098-21541	HYDRAULIC FLUID LEVEL SHUTOFF SENSOR
6	1	350-00001	FILLER BREATHER
7	1	510-00088	PLUG PIPE SOCKET HD
8	1	230-00056	SUCTION STRAINER
9	1	097-20191	TANK STRAINER
10	1	098-01266	FUEL/HYD. TANK GASKET
11	1	097-20634	HYDRAULIC TANK GASKET
12	1	098-21514	EXTENDED FILLER NECK ASSY
13	1	350-00001-01	GASKET FOR FILLER NECK



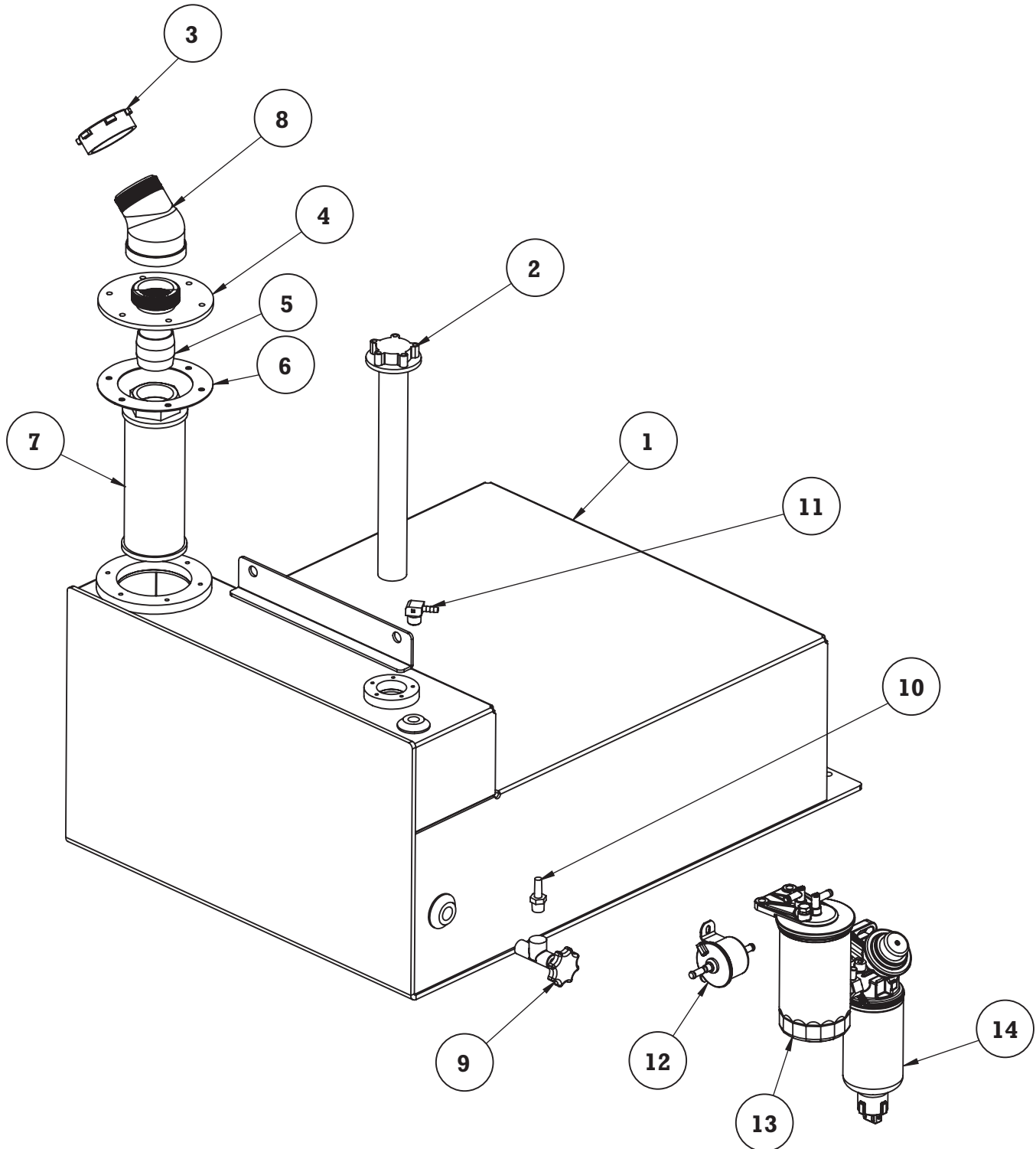


Bright Forklift

PATRIOT

MANIFOLD BLOCK ASSEMBLY (098-21513)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	097-24250	ALUMINUM MANIFOLD BLOCK
2	1	097-24248	CHECK VALVE (30 PSI CRACKING PRESSURE)
3	2	097-20328	2 WAY - 3 POSITION SOLENOID CARTRIDGE VALVE
4	2	097-20329	12V COIL FOR 097-20328
5	1	330-00046	STRAIGHT ADAPTOR SAE #8 MALE X JIC #8 MALE
6	5	330-00043	FITTING #6 JIC X #6 SAE
7	2	330-00115	90 DEGREE ADAPTER SAE #8 MALE X JIC #8 MALE
8	2	330-00114	FITTING - ELBOW #6 JIC X #6 ORB
9	1	330-00810	STRAIGHT THREAD CONNECTOR (20SAE TO 16 JIC)
10	2	330-00237	STRAIGHT ADAPTOR SAE #16 MALE X JIC #16 MALE
11	1	330-00851	45° ELBOW - #12 SAE X #12 JIC
12	3	330-00045	FITTING - #8 SAE X #6 JIC
13	4	330-00731	RUN TEE - #6 FEMALE SWIVEL TO #6 JIC
14	1	330-00667	RUN TEE - #8 SAE-ORB X #8 JIC
15	2	330-00669-1	SAE #4 HOLLOW HEX PLUG
16	1	330-00669	SAE #6 PLUG





Bright Forklift

PATRIOT

FUEL CIRCUIT (098-21520)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21522	BC4 FUEL TANK ASSEMBLY
2	-	098-20089	FUEL SENDING UNIT
3	-	430-00350	FUEL CAP - 2"
4	-	097-21528	FUEL CLEANOUT COVER WELDMENT
5	-	510-00216	NIPPLE 1-1/2" NPT CLOSE
6	-	097-00809	FUEL TANK COVER GASKET
7	-	097-20191	TANK STRAINER
8	-	510-00251	2" STREET ELBOW - 45
9	1	098-01257	FUEL VALVE
10	1	098-01258	HOSE BARB ADAPTER
11	1	210-00610	MALE PIPE HOSE BARB - 3/8" NPT X 1/4" HOSE ID
12	1	097-20973	FUEL PUMP, ELECTRIC
13	1	097-24900	FUEL FILTER (ELEMENT ONLY)
14	1	097-24971	FILTER - WATER SEPERATOR (ELEMENT ONLY)
15	24 FT.	430-00268	FUEL LINE - 5/16" (NOT SHOWN)
16	10	370-00022	MINI CLAMP (NOT SHOWN)



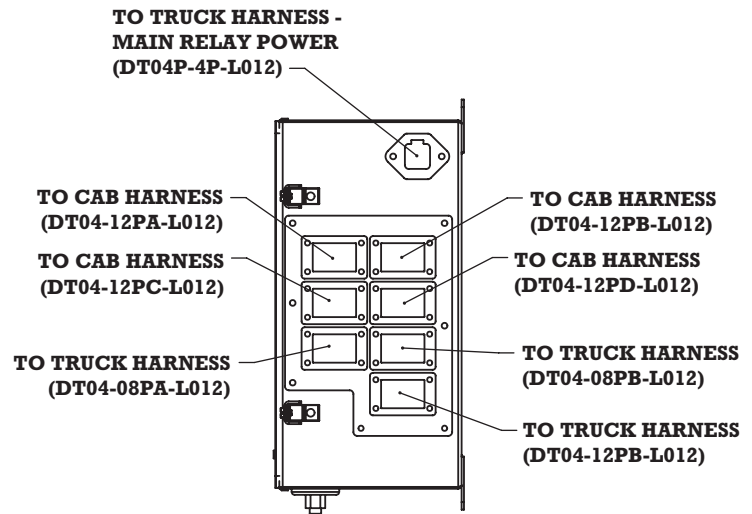
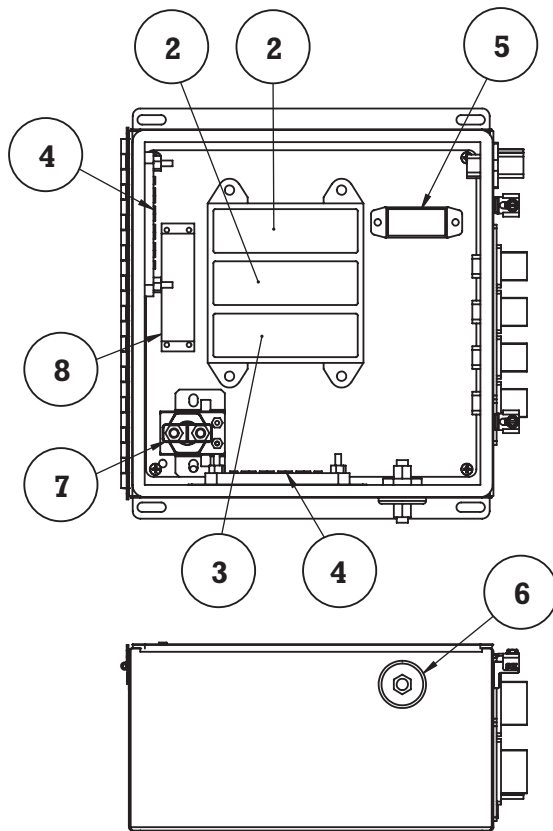
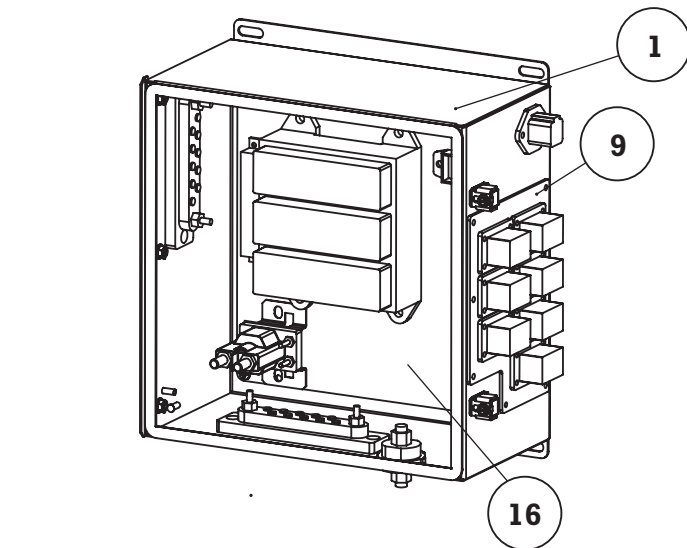
Bright Forklift

PATRIOT

ELECTRICAL CIRCUIT WITH HYDRAULIC FOOT PEDAL (098-21535H)

PART NUMBER	QTY.	DESCRIPTION
098-21540H	1	ELECTRIC BOX ASSEMBLY
098-21546H	1	CAB HARNESS
098-21547H	1	MAIN TRUCK HARNESS
430-00375	1	BATTERY
098-21544	1	BATTERY BOX WELDMENT
097-20610	1 PKG	J-BOLT - 5/16-18 X 10
097-20322	3	LED WORK LIGHT - WHITE
097-20323	5	LED WORK LIGHT - RED
097-20324	1	STROBE LIGHT - TOP OF CAB
430-00195	1	ELECTRIC AUTO HORN
430-00196	1	BACK-UP ALARM
098-01503-01	3	TYPE 120 RELAY (CONTINUOUS)
190-00842	3	IN LINE FUSE HOLDER
190-00841	1	30A FUSE
098-00777	1	15A FUSE
190-00840	1	1A FUSE
098-21549	1	BATTERY CABLE POST+ TO EYELET
098-21550	1	BATTERY CABLE POST- TO EYELET
098-21551	1	BATTERY CABLE EYELET TO EYELET - CUTOFF TO STARTER
098-21552	1	BATTERY CABLE EYELET TO EYELET - CUTOFF TO ELEC BOX
097-25550	1	MAIN GROUND CABLE - ENGINE TO MOTOR MOUNT
098-21553	1	GROUND - FRAME TO SWING OUT
098-21554	1	ALTERNATOR TO CUTOFF
098-21555	1	ELECTRICAL BOX TO STARTER RELAY
097-25554	2	RELAY JUMPER
098-21556	1	GRID HEATER CABLE

ELECTRIC BOX ASSY - PATRIOT WITH HYDRAULIC FOOT PEDAL (098-21540H)



NOTE: SEE 098-20159M FOR DRILLING OF ELECTRICAL BOX



Bright Forklift

PATRIOT

ELECTRIC BOX ASSY - PATRIOT WITH HYDRAULIC FOOT PEDAL (098-21540H)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	097-24231	ELECTRICAL BOX - 12" X 12" X 6" - NEMA 4X
2	2	190-00793	RAISED MINI RELAY BLOCK - 4 WAY
3	1	190-00794	RAISED FUSE BLOCK - 16 WAY
4	2	190-00736	GROUNDING BUS - 10 GANG
5	1	190-00744	STANDARD FUSE BLOCK (4 WAY)
6	1	190-00792	FEEDER STUD
7	1	098-01503-01	CONTINUOUS POWER CONTACTOR
8	1	097-20858	SENDER CAN DEVICE
9	1	098-20158	BULKHEAD MOUNTING PLATE - BC4
10	1	098-21548H	ELECTRIC BOX HARNESS
11	5	190-00798	MINI RELAY - 40A
12	1	190-00795	FUSE - 3A
13	5	190-00745	FUSE - 5A
14	8	190-00796	FUSE - 10A
15	1	190-00745-1	FUSE - 20A
16	1	097-24231-01	ELECTRICAL BOX BACK PLATE



Bright Forklift

PATRIOT

SECTION 5

TIRE & WHEEL ASSEMBLY

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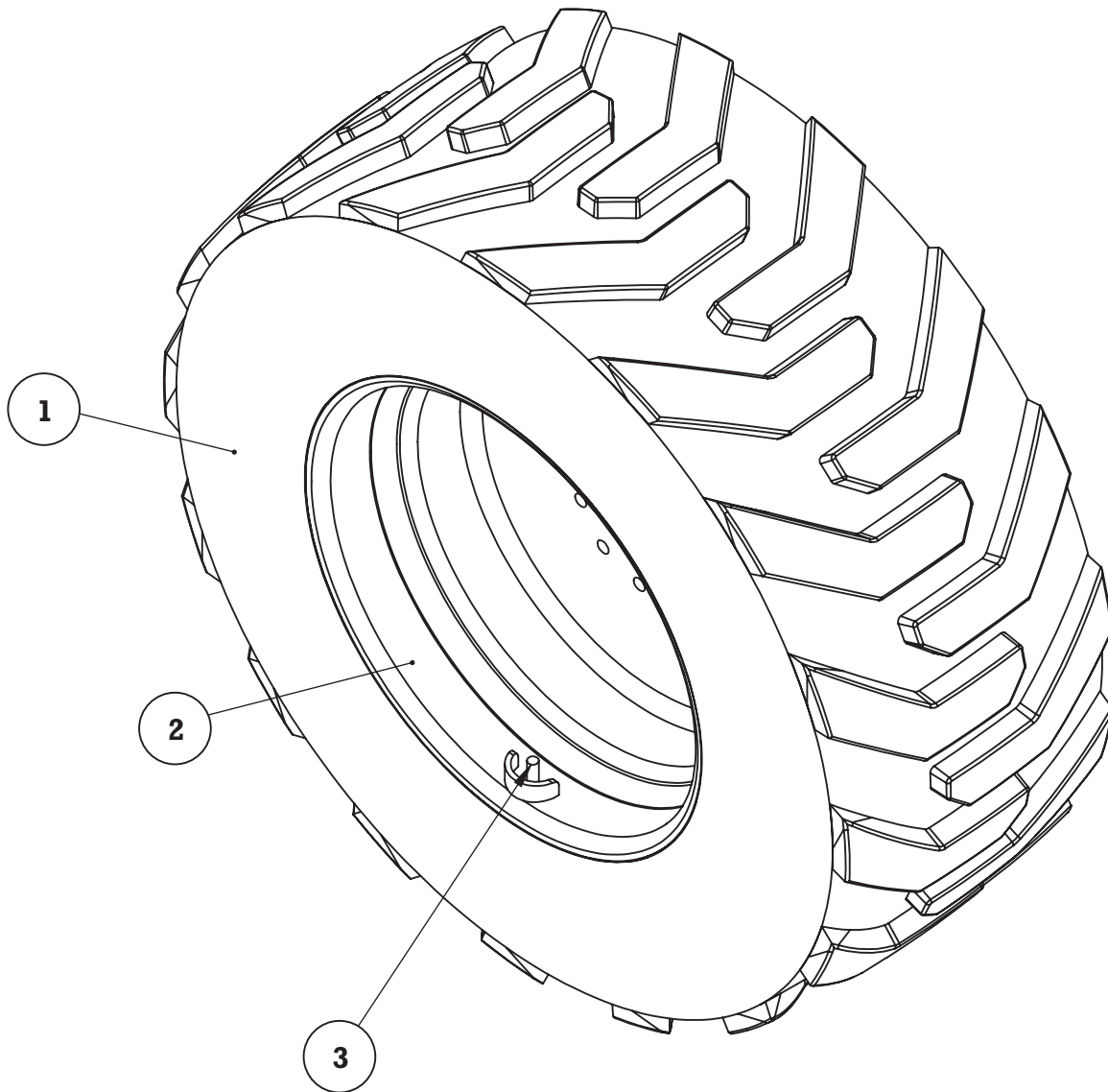
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Bright Forklift

PATRIOT

TIRE & WHEEL ASSEMBLY - 12.00 - 16.5 (098-21610)





Bright Forklift

PATRIOT

TIRE & WHEEL ASSEMBLY - 12.00 - 16.5 (098-21610)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	730-04055	TIRE 12.00 - 16.5
2	1	097-20305	WHEEL 9.75 X 16.5
3	1	730-03031	TUBELESS TRUCK VALVE



Bright Forklift

PATRIOT

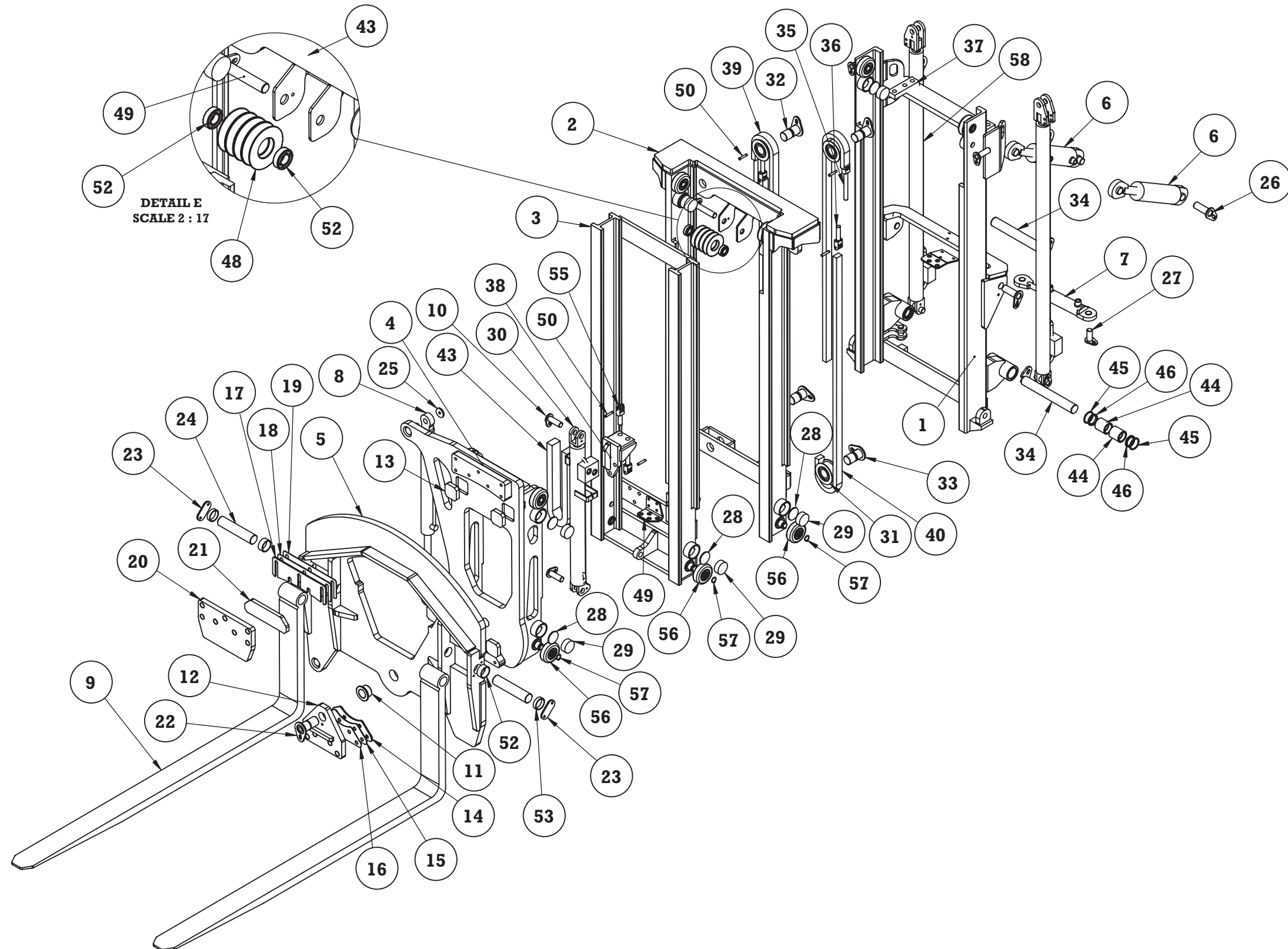
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MAST ASSEMBLY

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FREE LIFT MAST ASSEMBLY WITH RELUBRICABLE MAST ROLLERS (098-21700)





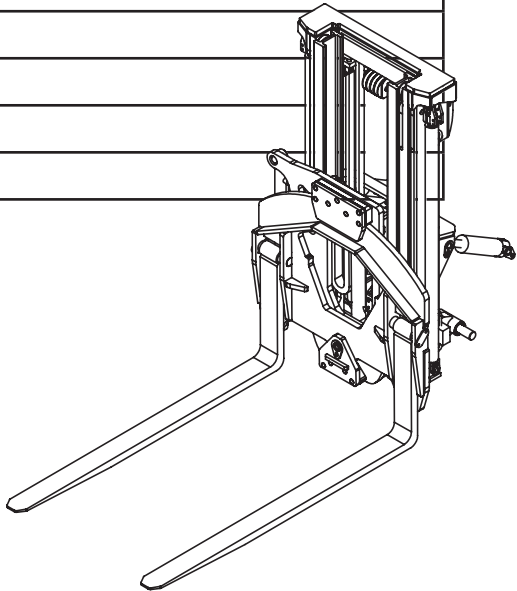
Bright Forklift

PATRIOT

FREE LIFT MAST ASSEMBLY WITH RELUBRICABLE MAST ROLLERS (098-21700)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21701	OUTER MAST (RELUBRICABLE ROLLERS)
2	1	097-21760	MID MAST (RELUBRICABLE ROLLERS)
3	1	097-21761	INNER MAST (RELUBRICABLE ROLLERS)
4	1	098-21703	INNER CARR. (RELUBRICABLE ROLLERS) - PATRIOT
5	1	098-21704	OUTER CARR. WELDMENT - PATRIOT
6	2	097-20180	TILT CYLINDER
7	1	097-20176	SIDESHIFT CYLINDER
8	1	097-20444	ROTATOR CYLINDER
9	2	098-00156	PIN TYPE STD TAPER FORK
10	6	097-21513	1 X 3 LG PIN WELDMENT
11	1	097-20197	ROTATOR BUSHING
12	1	097-21764	OUTER CARRIAGE BOTTOM HOLDER
13	4	097-20229	ROTATOR SQUARE T-BLOCK
14	1	097-20230.1	BOTTOM ROTATOR SHIM (1/4")
15	1	097-20230.2	BOTTOM ROTATOR SHIM (1/8")
16	1	097-20230.3	BOTTOM ROTATOR SHIM (1/16")
17	1	098-01615-1	TOP ROTATOR SHIM (1/4")
18	1	098-01615-2	TOP ROTATOR SHIM (1/8")
19	1	098-01615-3	TOP ROTATOR SHIM (1/16")
20	1	098-20217	OUTER CARRIAGE TOP HOLDER - PATRIOT
21	1	097-20233	ROTATOR RECT. T-BLOCK
22	1	097-21731	ROTATOR PIVOT PIN WELDMENT
23	2	097-20201	FORK PIN HOLDER
24	2	097-20202	FORK PIN
25	2	097-20187	SWING ARM RETAINER
26	4	097-21515	1-1/4 X 3-5/8 LG PIN WELDMENT
27	2	097-21514	1 X 2-1/4 LG PIN WELDMENT
28	12	097-20729	PUSH PLATE (3/16")
29	12	097-20728	SIDE T-BLOCK
30	1	097-20871	FREE LIFT CYLINDER ASSEMBLY (NEW 2021)
31	4	030-00084	CHAIN ROLLER FOR BL-844
32	2	097-21751	CHAIN ROLLER PIN TOP WELDMENT
33	2	097-21746	CHAIN ROLLER PIN BOTTOM WELDMENT

ITEM	QTY.	PART NUMBER	DESCRIPTION
34	2	097-21745	MAST PIVOT PIN WELDMENT (FREE LIFT)
35	2	098-00007	CHAIN ANCHOR FOR BL-844
3	2	098-00011	CHAIN ANCHOR FOR BL-844
37	2	097-20436	CHAIN ANCHOR SUPPORT
38	2	097-21747B	CHAIN ANCHOR HOLDER (BOTTOM)
39	2	098-00654	LIFTING CHAIN (61" LG) (MAST)
40	2	097-20454	LOWERING CHAIN (63") FREE LIFT
41	1	097-20439	HOSE BRACKET
42	1	097-20440	HOSE ROLLER SUPPORT
43	1	097-20326	E-CHAIN SERIES E2 MEDIUM
44	4	097-20435	MAST PIVOT BUSHING
45	4	097-20441	RETAINING RING FOR MAST PIVOT
46	4	097-20446	SEAL FOR MAST PIVOT
47	1	097-20431	HOSE ROLLER 4 GR
48	1	097-21748	HOSE ROLLER PIN WELDMENT
49	1	097-20407	HOSE BRACKET
50	8	098-00022	LEAF CHAIN PIN (BL-844)
51	2	097-20292	BALL BEARING
52	2	097-20484	FORK SPACER 1" WIDE
53	2	097-20485	FORK SPACER 5/8 WIDE
54	3	097-21752	PIN FOR HOSE GUARD WELDMENT
55	4	098-00006	CHAIN ANCHOR
56	12	097-20716	RELUBRICABLE MAST ROLLER
57	REF	210-00873	EXTERNAL CIRCLIP DIN 471 FOR 25MM SHAFT
58	2	097-20443	LIFT CYLINDER ASSEMBLY (FREE LIFT)





Bright Forklift

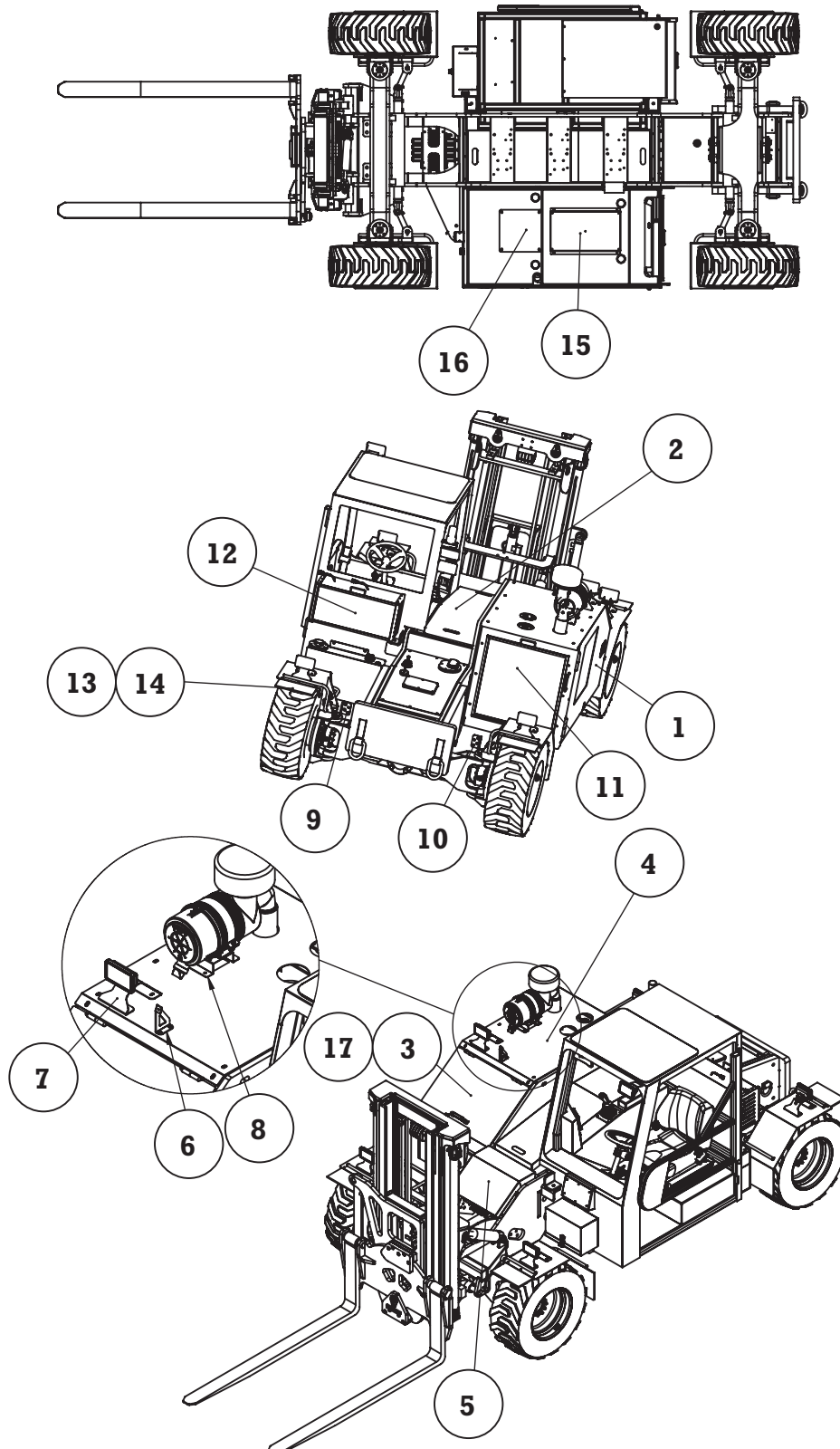
PATRIOT

SECTION 7

HOODS, PANELS, & ACCESSORIES

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Bright Forklift

PATRIOT

HOODS, PANELS, & ACCESSORIES (098-21800)

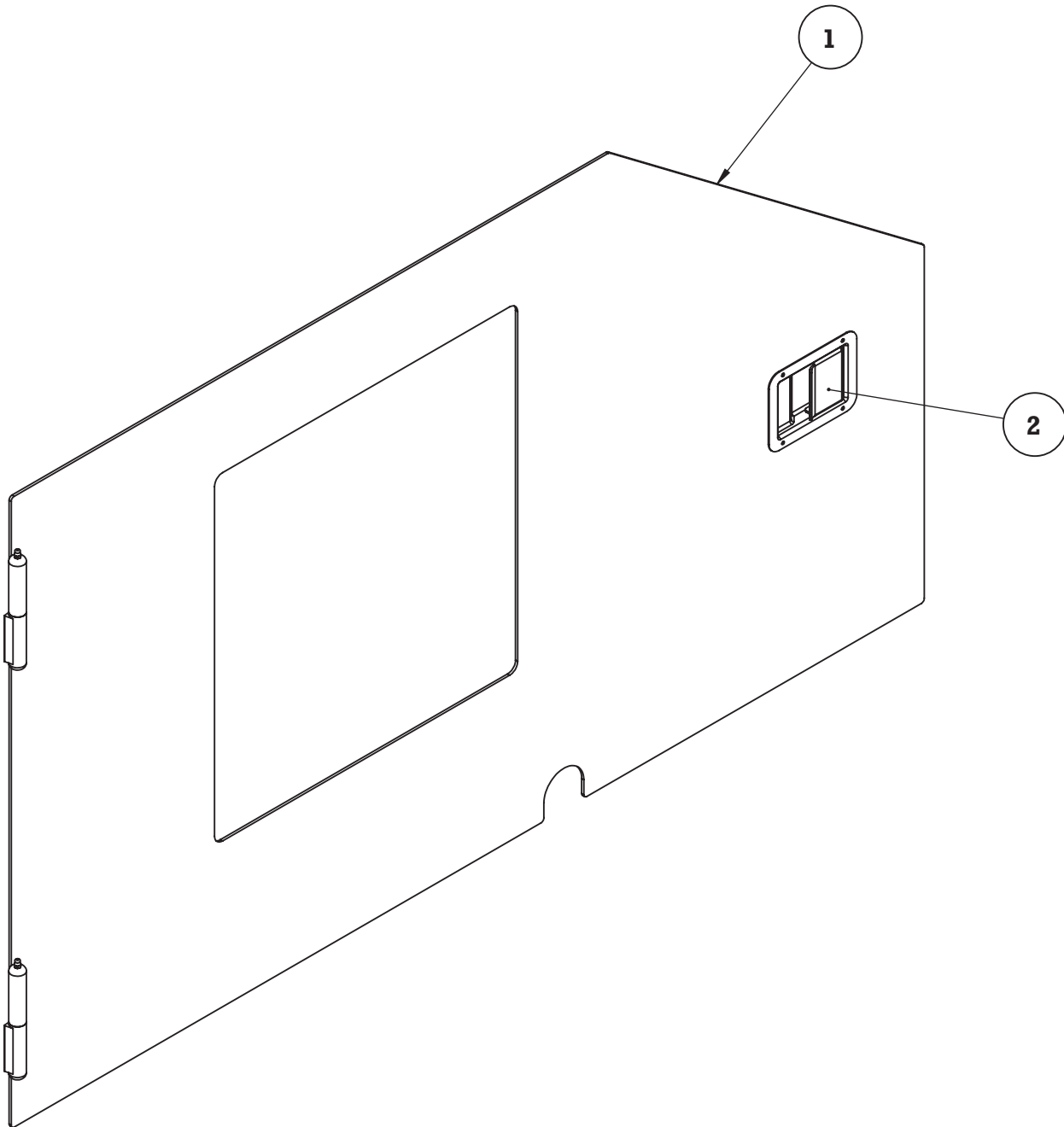
ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21811	MOTOR FRAME DOOR ASSEMBLY
2	1	098-21812	CENTER FRAME SKIN
3	1	098-21815	MOTOR FRAME HOOD ASSEMBLY
4	1	098-20056-A	MOTOR FRAME TOP SKIN
5	1	098-20190	SECTIONAL VALVE COVER
6	1	098-20202	FRONT HOOD STOP
7	1	098-20052	WORK LIGHT BRACKET
8	1	097-20777	AIR CLEANER BRACKET
9	1	098-20171L	REAR AXLE BULKHEAD BRACKET - LEFT HAND
10	1	098-20171R	REAR BULKHEAD BRACKET - RIGHT HAND
11	1	098-20067	FEATHER SCREEN - RADIATOR
12	1	098-20067	FEATHER SCREEN - OIL COOLER
13	4	097-24333	MUDFLAP HOLDER
14	4	097-24338	MUDFLAP
15	1	098-20191	MOTOR PLATE OIL PAN COVER
16	1	098-20192	HYDRAULIC PUMP BOTTOM ACCESS COVER
17	1	098-20189	CONTROLLERS MOUNTING TRAY



Bright Forklift

PATRIOT

MOTOR FRAME DOOR ASSEMBLY (098-21811)



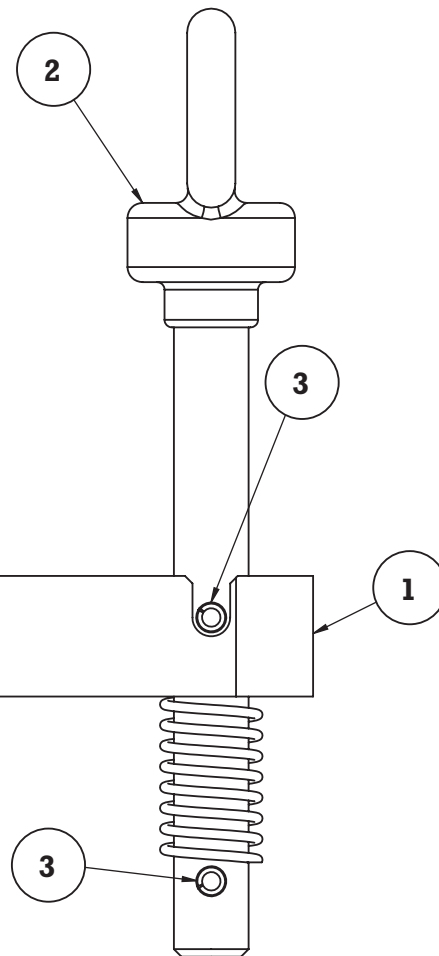
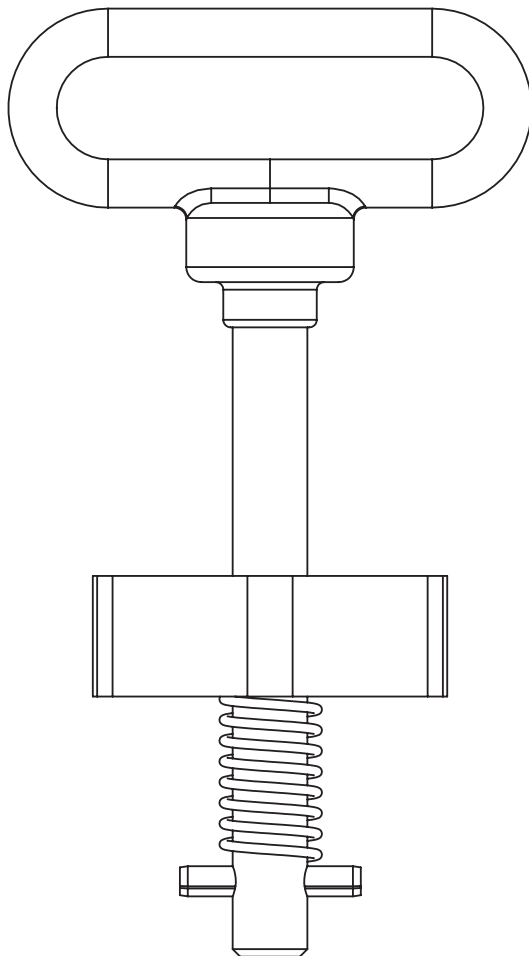
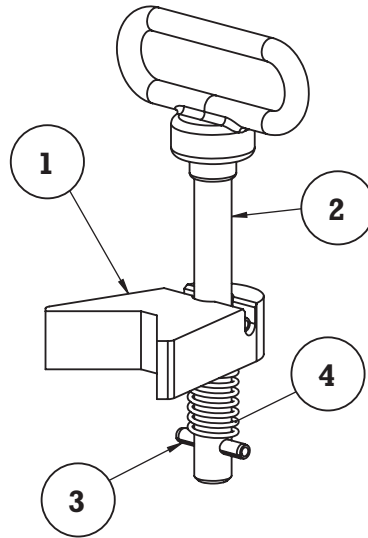


Bright Forklift

PATRIOT

MOTOR FRAME DOOR ASSEMBLY (098-21811)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-20810	MOTOR FRAME DOOR WELDMENT
2	1	097-20488	PADDLE HANDLE





Bright Forklift

PATRIOT

MOTOR FRAME SAFETY LATCH (098-21813)

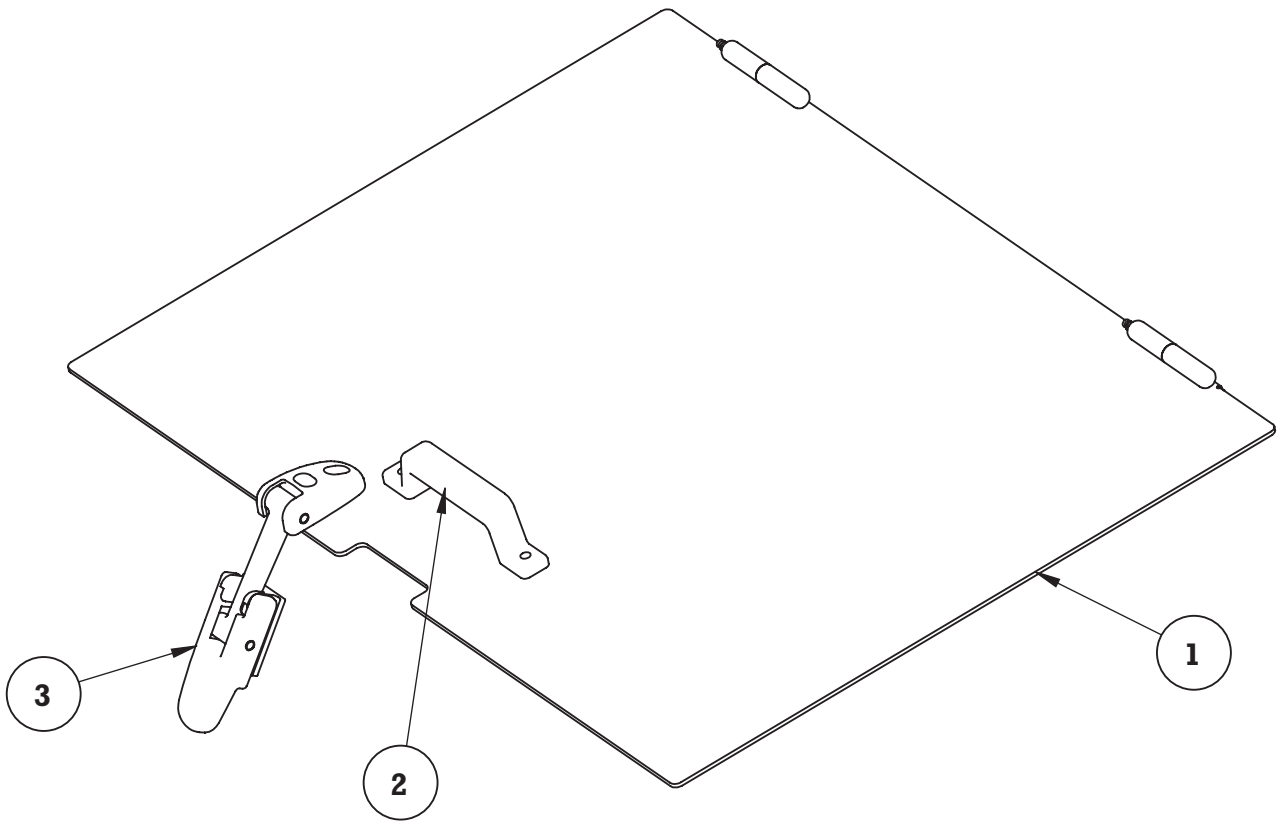
ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-20154	SAFETY LATCH BASE
2	1	098-20155	SAFETY LATCH BOLT
3	2	210-00875	ROLL PIN (ZINC PLATED)
4	1	091-20567	GATE LOCK SPRING



Bright Forklift

PATRIOT

MOTOR FRAME HOOD ASSEMBLY (098-21815)





Bright Forklift

PATRIOT

MOTOR FRAME HOOD ASSEMBLY (098-21815)

ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	098-21814	MOTOR FRAME HOOD WELDMENT
2	1	098-00161	GRAB HANDLE
3	1	098-20209	LEVER ASSISTED FLEXIBLE LATCH



Bright Forklift

PATRIOT

SECTION 8

DECALS

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Bright Forklift

PATRIOT

DECALS (098-21900H)

PART NUMBER	QTY.	DESCRIPTION
098-20199A	1	DECAL PATRIOT LOGO - 6"
098-20199B	3	DECAL PATRIOT LOGO - 12"
098-20198	1	DECAL JOYSTICK
098-20237T	1	DECAL DASH - TOP
098-20237B	1	DECAL DASH - BOTTOM
098-20197H	1	DECAL ELEC BOX
097-20463	1	DECAL DIESEL FUEL ONLY
097-20464	1	DECAL HYDRAULIC OIL ONLY
097-20465	1	DECAL CAUTION APPLY PARKING BRAKE
097-20469	1	DECAL WARNING SEAT BELT
097-20470	1	DECAL WARNING OPERATION
097-20471	1	DECAL MADE WITH PRIDE IN TEXAS, USA
360-00102	4	DECAL NO RIDERS
098-20200	2	DECAL VERTICAL PATRIOT FOR MAST
360-00103	2	DECAL 202 WARNING KEEP CLEAR OF MAST
360-00105	2	DECAL WARNING KEEP FINGER CLEAR OF CROSSBRACING
097-20474	2	DECAL PATENT FOR MAST
360-00128	2	DECAL WARNING CUT/CRUSH HAZARD KEEP HANDS CLEAR OF FAN AND BELTS
098-01765	1	DECAL HOT LIQUID - RADIATOR
097-24337	3	DECAL DO NOT WELD ON FRAME
098-00717	1	LIFT DATA PLATE, ALUMINUM
098-20222	1	DECAL - DISABLED TOWING



Bright Forklift

PATRIOT

SECTION 9

MAINTENANCE ITEMS

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Bright Forklift

PATRIOT

MAINTENANCE ITEMS TABLE

QTY.	PART NUMBER	DESCRIPTION
1	230-00060	RETURN FILTER ELEMENT - HYDRAULIC CIRCUIT
1	097-20287	HIGH PRESSURE FILTER - HYDRAULIC CIRCUIT
1	097-24900	ENGINE FUEL FILTER ELEMENT
1	097-20971	ENGINE WATER SEPARATOR ELEMENT
1	097-24901	ENGINE OIL FILTER
1	097-20965	ENGINE AIR FILTER - OUTER ELEMENT
1	097-20966	ENGINE AIR FILTER - INNER ELEMENT
1	097-01166	OIL SEPARATOR FILTER



097-20971
Engine Fuel
Water Separator



097-20965
Outer Air Filter
Element



097-20966
Inner Air Filter
Element



097-01166
Oil Separator
Filter



097-20287
Hydraulic Pressure
Oil Filter



230-00060
Hydraulic Return
Oil Filter



097-24900
Kubota Engine
Fuel Filter



097-24901
Kubota Engine
Oil Filter



Bright Forklift

PATRIOT

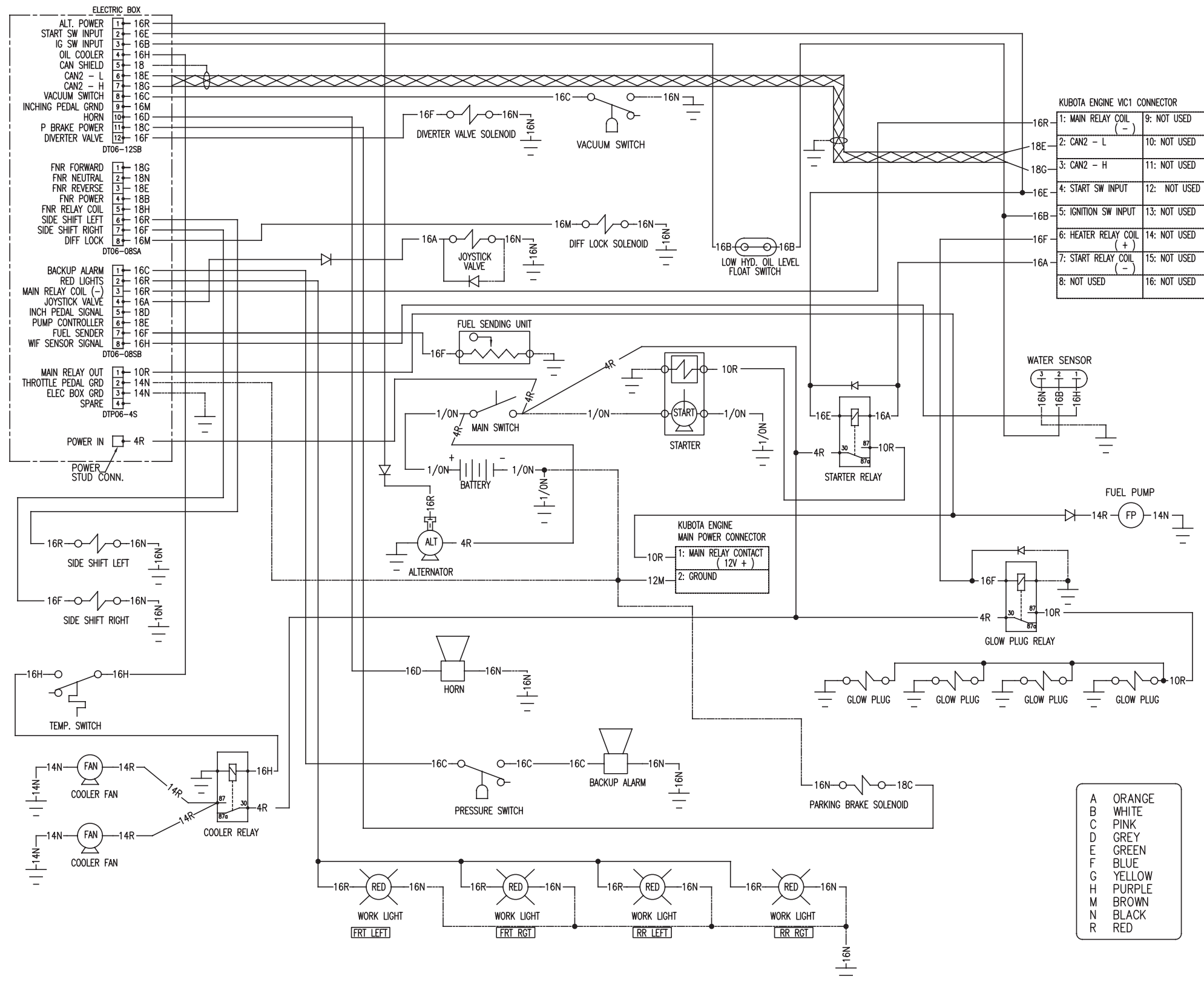
SECTION 10

SCHEMATICS

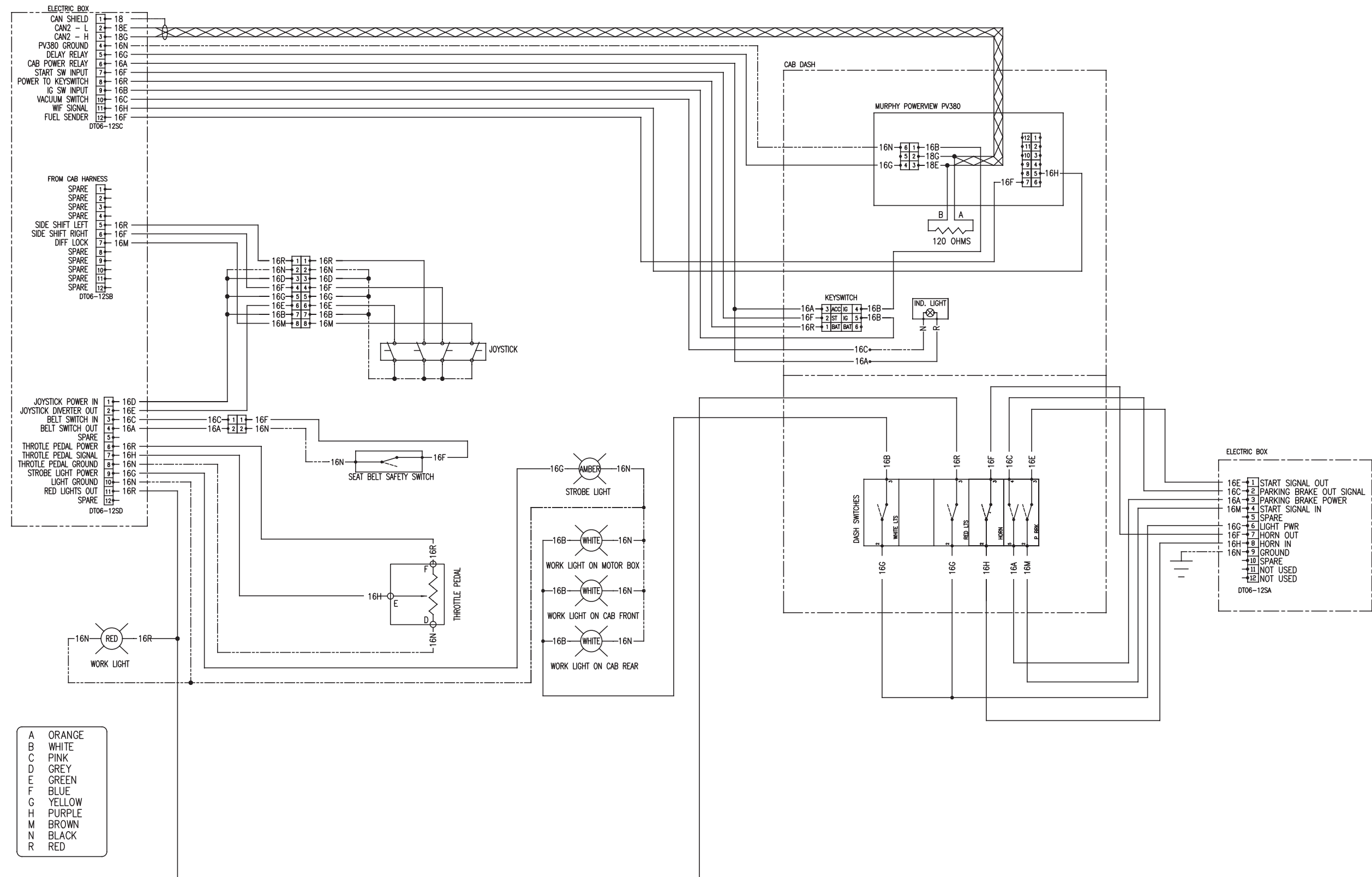
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ELECTRICAL SCHEMATIC - TRUCK



ELECTRICAL SCHEMATIC - OPERATOR CAB

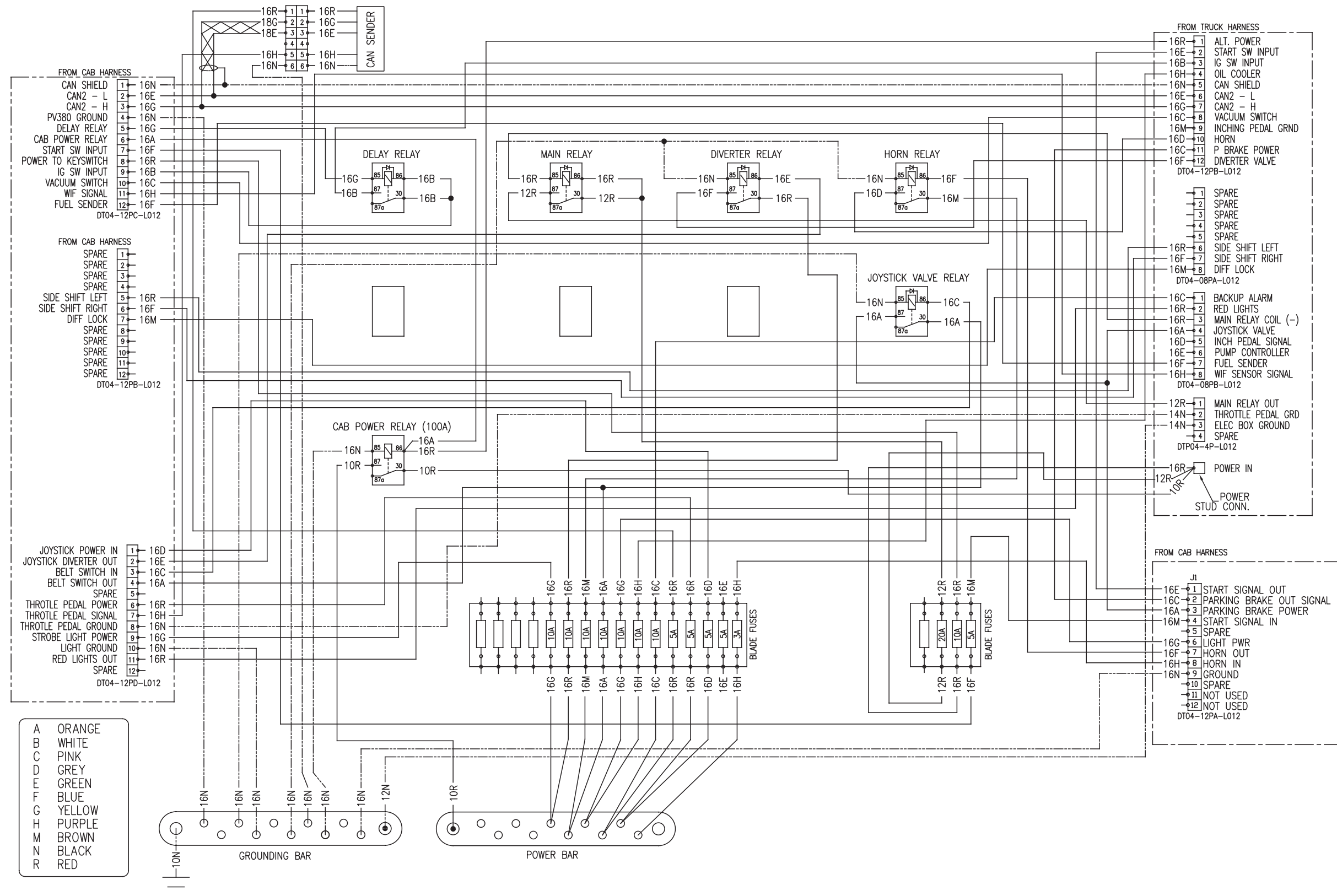




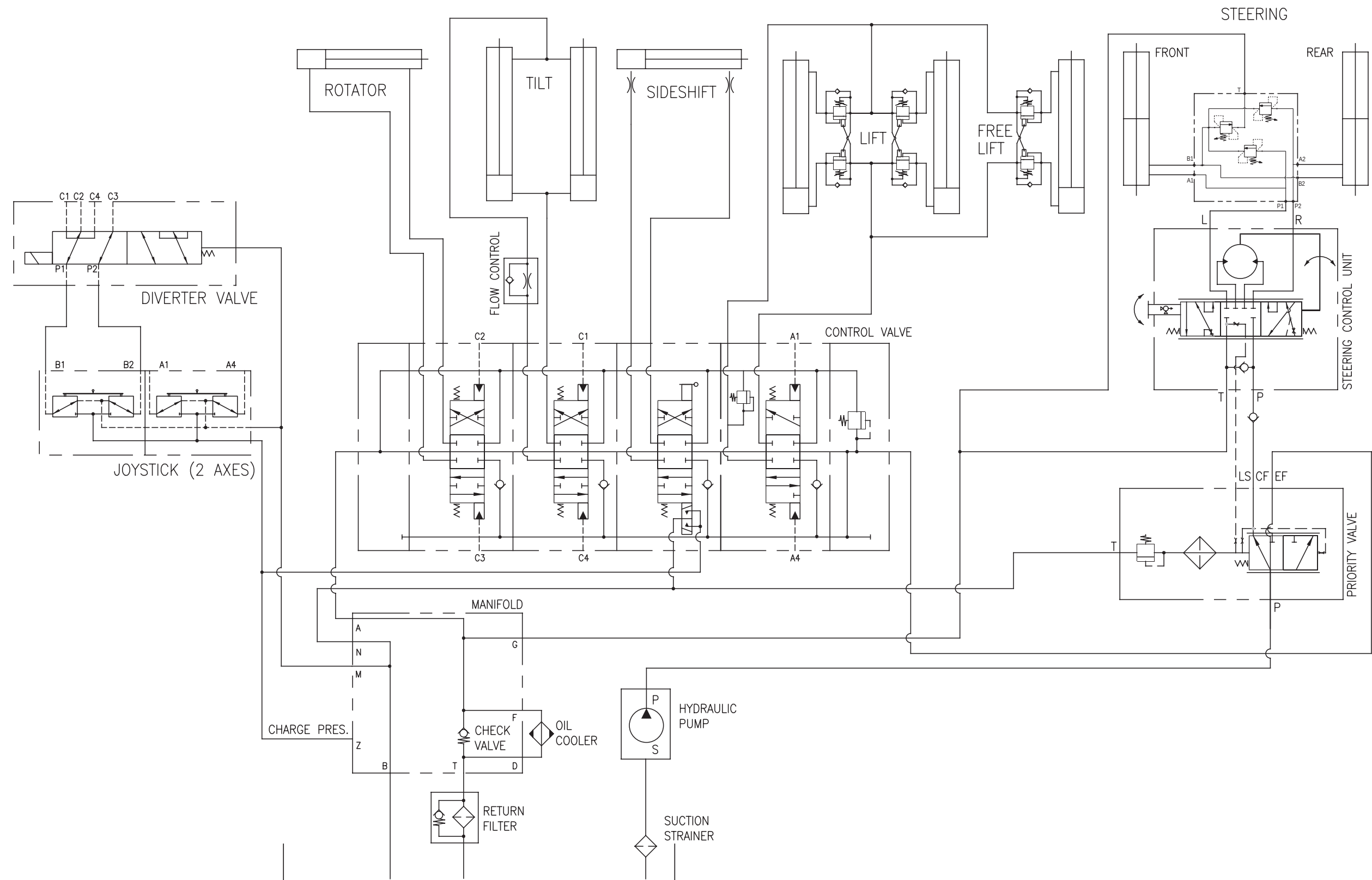
Bright Forklift

PATRIOT

ELECTRICAL SCHEMATIC - ELECTRIC BOX



HYDRAULIC SCHEMATIC EXCLUDING TRACTION



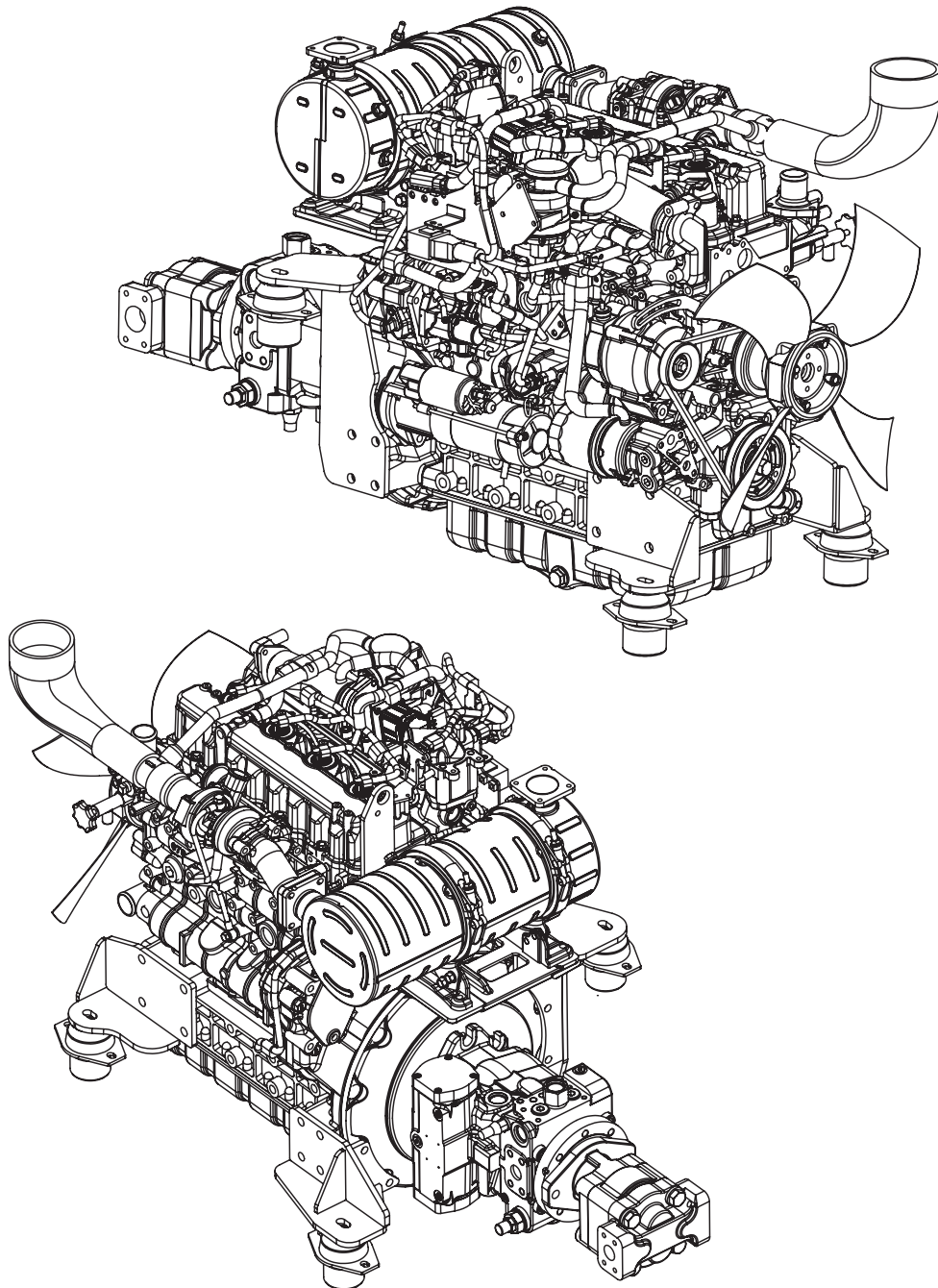
This hydraulic schematic diagram illustrates the fluid power system for a vehicle, featuring four hydrostatic motors and a central pump assembly.

- Hydrostatic Motors:** Four motors are shown at the top left, labeled "HYDROSTATIC MOTORS". They are arranged in two pairs: "RH FRT" (Right Hand Front) and "LH FRT" (Left Hand Front) on the left, and "RH REAR" (Right Hand Rear) and "LH REAR" (Left Hand Rear) on the right. Each motor has ports Z, A, L, and B.
- Flow Divider:** A "Flow Divider" block is located in the upper center, receiving input from the pump and distributing flow to the motors. It includes a pressure relief valve (S) and a check valve (P1).
- Hydrostatic Pump:** The "HYDROSTATIC PUMP" is located on the right side, driven by an electric motor (G). It includes a pressure relief valve (PS) and a check valve (G1).
- Valves and Controls:**
 - Flushing Valve:** A 3-position valve (A, T, B) used for system flushing.
 - FNR FOOT VALVE:** A foot-operated valve for Forward, Neutral, and Reverse (FNR) control.
 - Traction on/off Valve:** A 3-position valve (1, 2, 3) for controlling traction.
 - JOYSTICK VALVE:** A 3-position valve (1, 2, 3) for joystick control.
 - PARKING BRAKE Valve:** A 3-position valve (1, 2, 3) for engaging the parking brake.
 - NEEDLE VALVE:** A valve used for adjusting flow or pressure.
 - PRV 400 PSI:** A pressure relief valve set at 400 PSI.
 - MALE QC:** A quick coupling fitting.
- Manifold Block:** A "MANIFOLD BLOCK" is located in the lower center, which integrates the joystick valve, parking brake valve, and other control functions.
- Filters and Strainers:** The system includes a "RETURN FILTER" and a "SUCTION STRAINER" to maintain fluid cleanliness.
- Pressure and Flow Indicators:** Various symbols are used to indicate pressure (S, P, T) and flow direction throughout the circuit.

SECTION 11

KUBOTA DIESEL ENGINE

V3307-CR-TIE4B-KEA-1





Bright Forklift

BD3-7570

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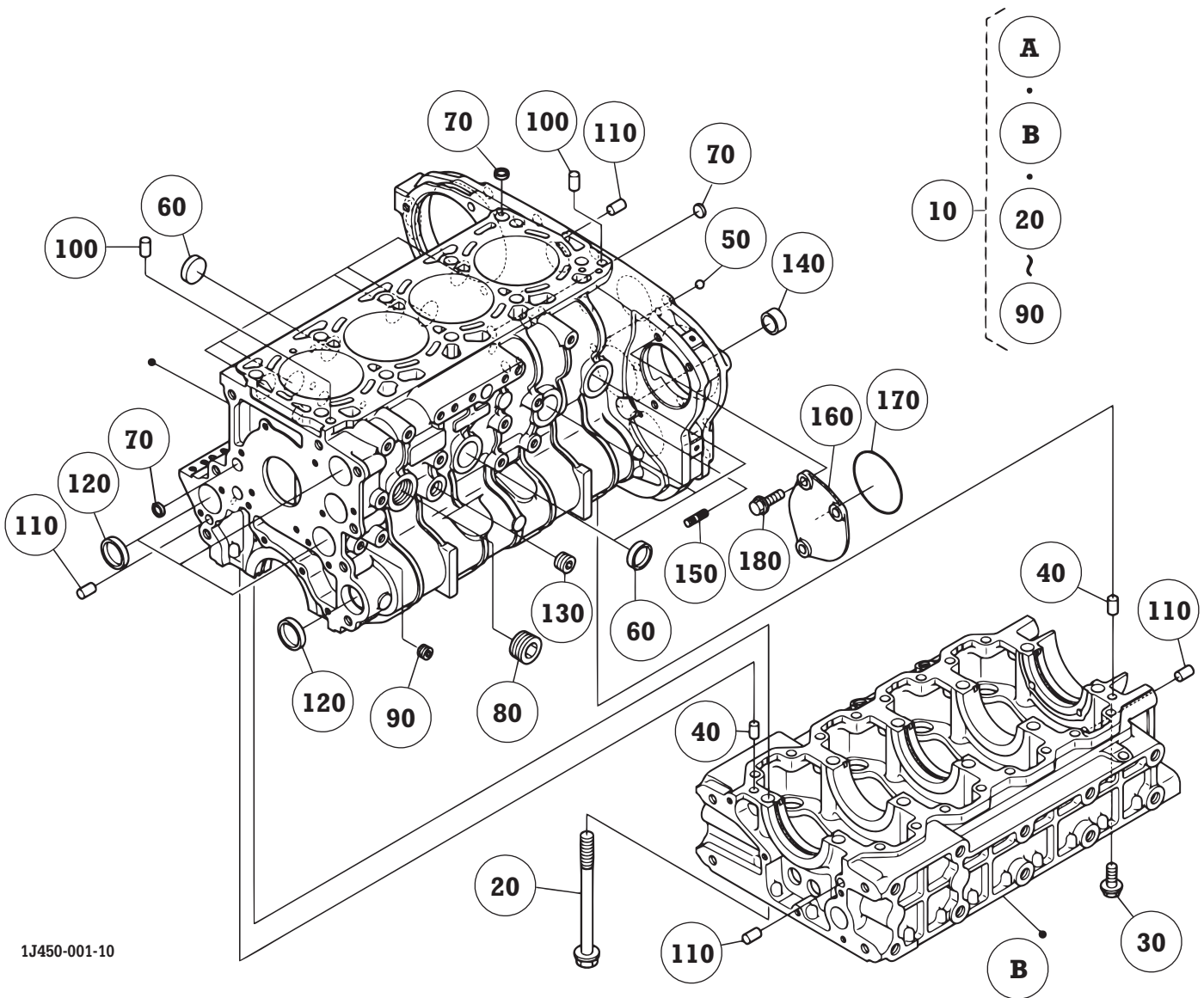


Bright Forklift

BD3-7570

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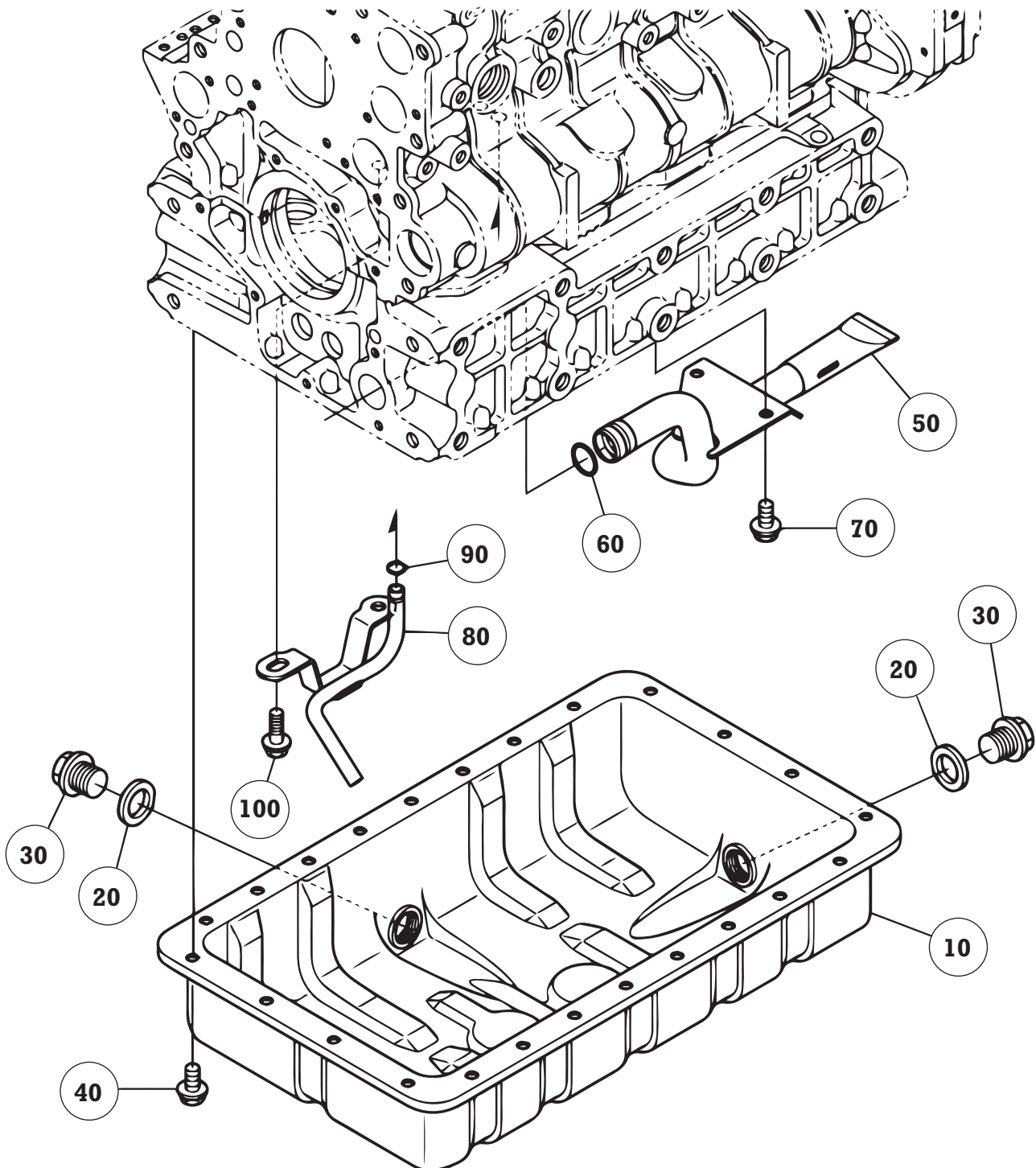
Bright Forklift

BD3-7570

CRANKCASE (500000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		CRANKCASE
20	10		BOLT
30	16		BOLT, FLANGE
40	2		PIN, STRAIGHT
50	1		BALL
60	9		CAP, SEALING
70	3		CAP, SEALING
80	1		PLUG
90	1		PLUG
100	2		PIN, STRAIGHT
110	4		PIN, STRAIGHT
120	4		CAP, SEALING
130	1		PLUG
140	1		BUSHING
150	1		STUD
160	1		COVER
170	1		O-RING
180	3		BOLT, FLANGE

OIL PAN (501000)



1J450-002-10

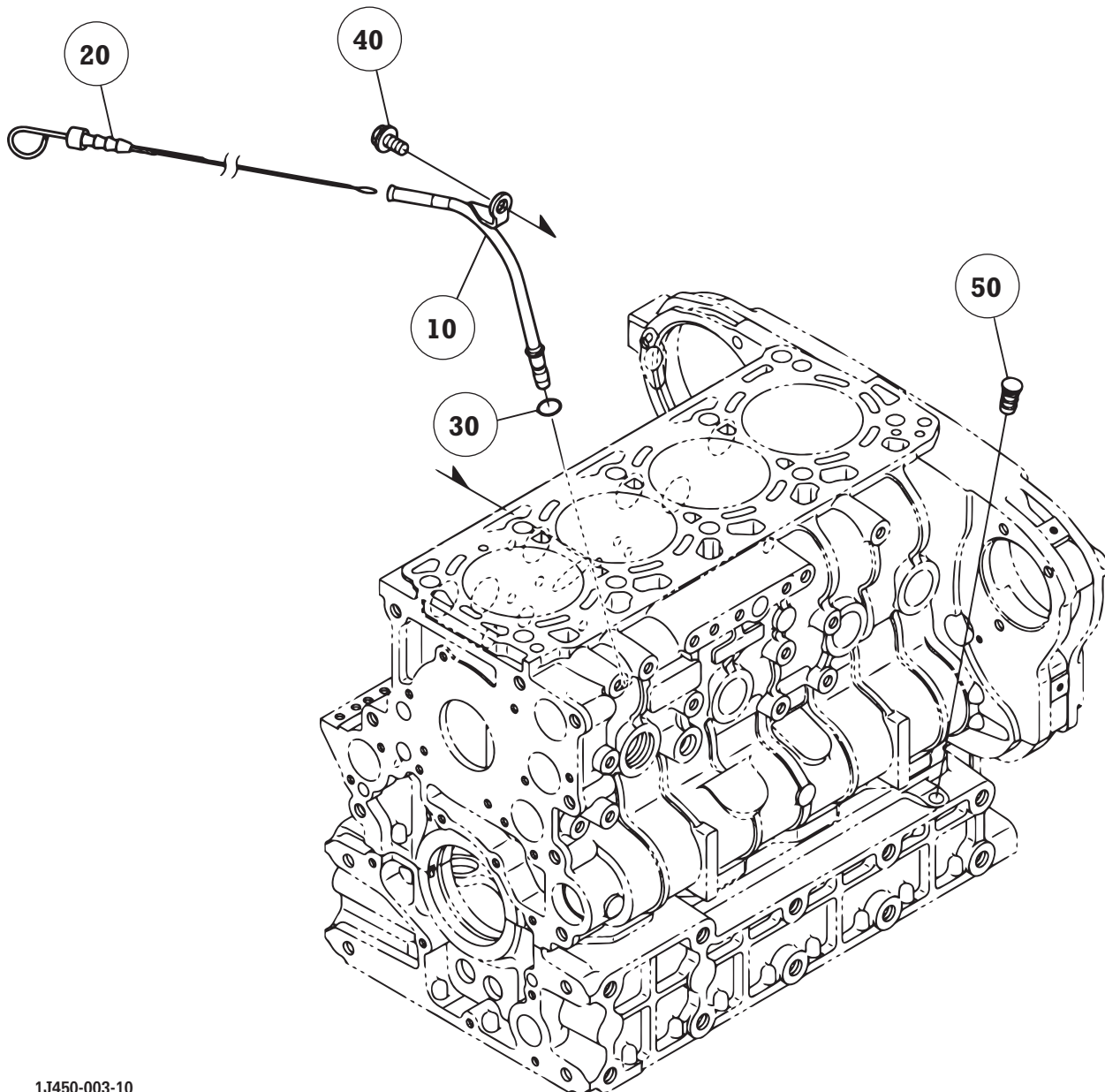


Bright Forklift

BD3-7570

OIL PAN (501000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		COMPLETE OIL PAN
20	2	097-01176	WASHER, SEAL
30	2	097-01177	PLUG, DRAIN
40	24		BOLT, FLANGE
50	1		FILTER, OIL
60	1		O-RING
70	2		BOLT, FLANGE
80	1		PIPE (OIL RETURN, 2)
90	1		O-RING
100	2		BOLT, FLANGE



1J450-003-10

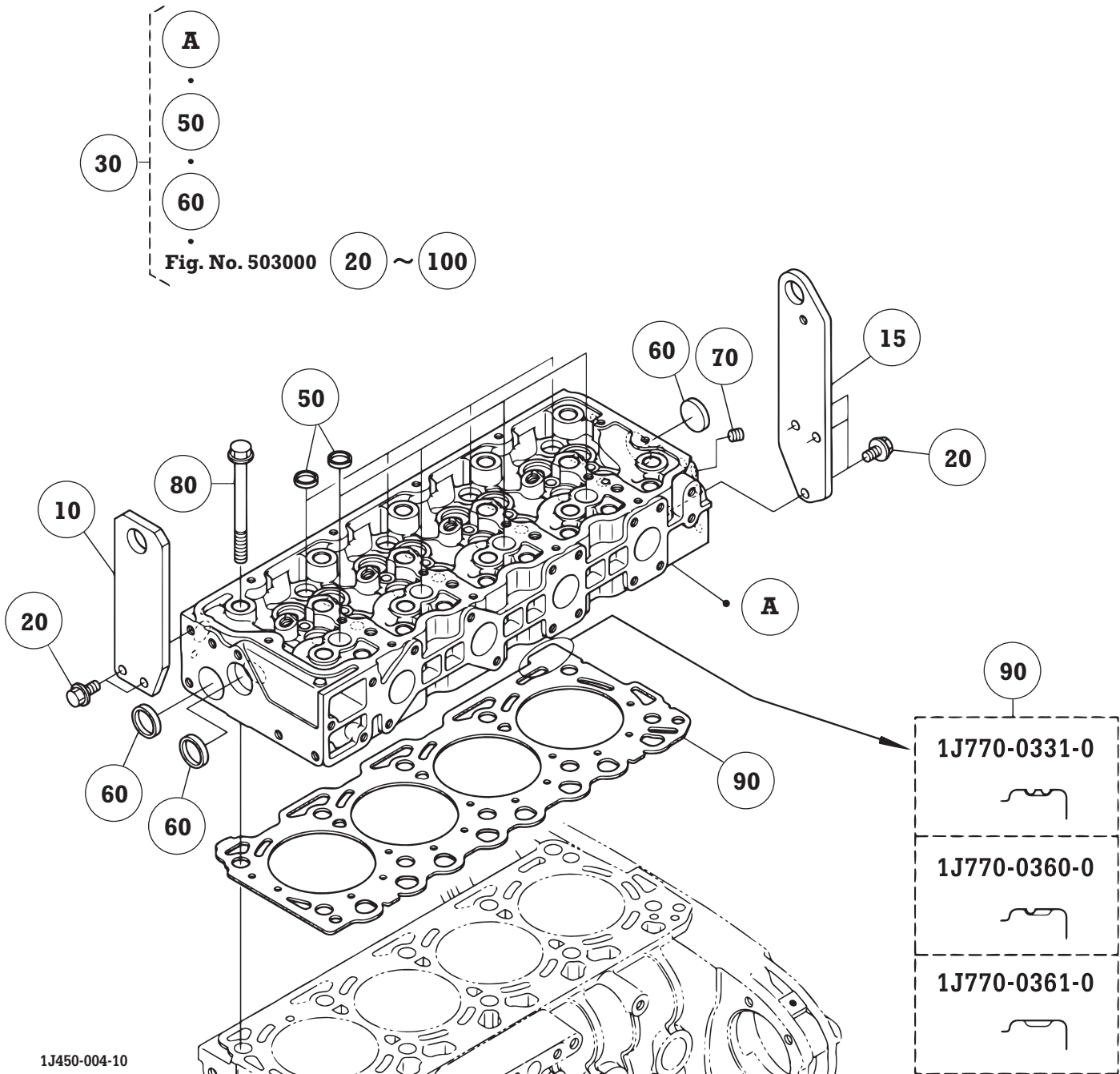


Bright Forklift

BD3-7570

DIPSTICK AND GUIDE (501200)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		GUIDE, OIL GAUGE
20	1	097-01178	GAUGE, OIL
30	1		O-RING
40	1		BOLT, FLANGE
50	1		PLUG, OIL GAUGE



1J450-004-10



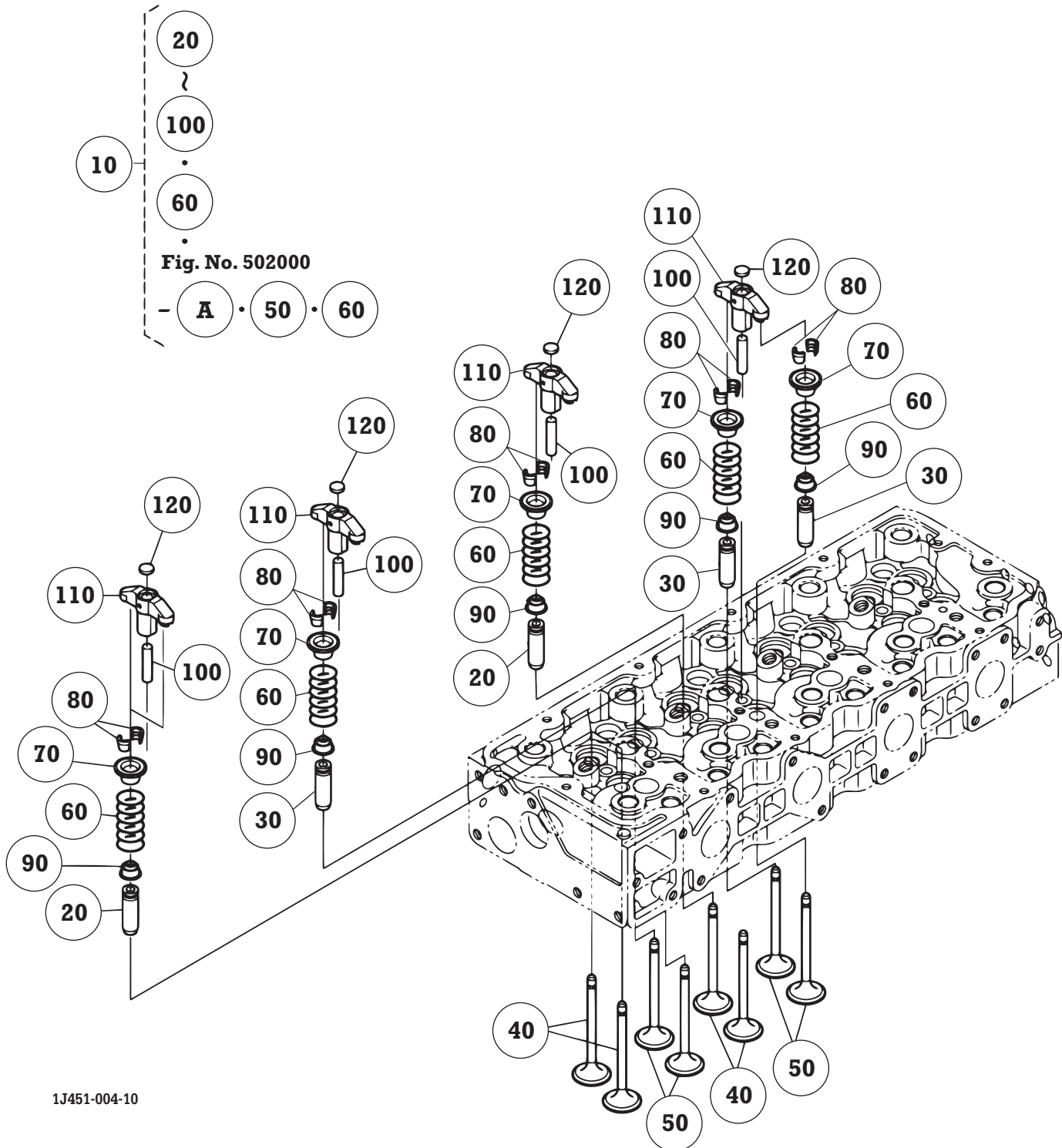
Bright Forklift

BD3-7570

CYLINDER HEAD (502000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		HOOK (ENGINE)
15	1		HOOK, ENGINE
20	5		BOLT, FLANGE
30	1		HEAD, CYLINDER, ASSEMBLY
50	8		CAP, SEALING
60	3		CAP, SEALING
70	1		PLUG
80	10		BOLT
90	1	097-01179	GASKET (CYLINDER HEAD) STANDARD / 2 NOTCH
90	1	097-01180	GASKET (CYLINDER HEAD) SUITABILITY / 1 NOTCH
90	1	097-01181	GASKET (CYLINDER HEAD) SUITABILITY / NOT NOTCH

INLET VALVE AND EXHAUST VALVE (503000)





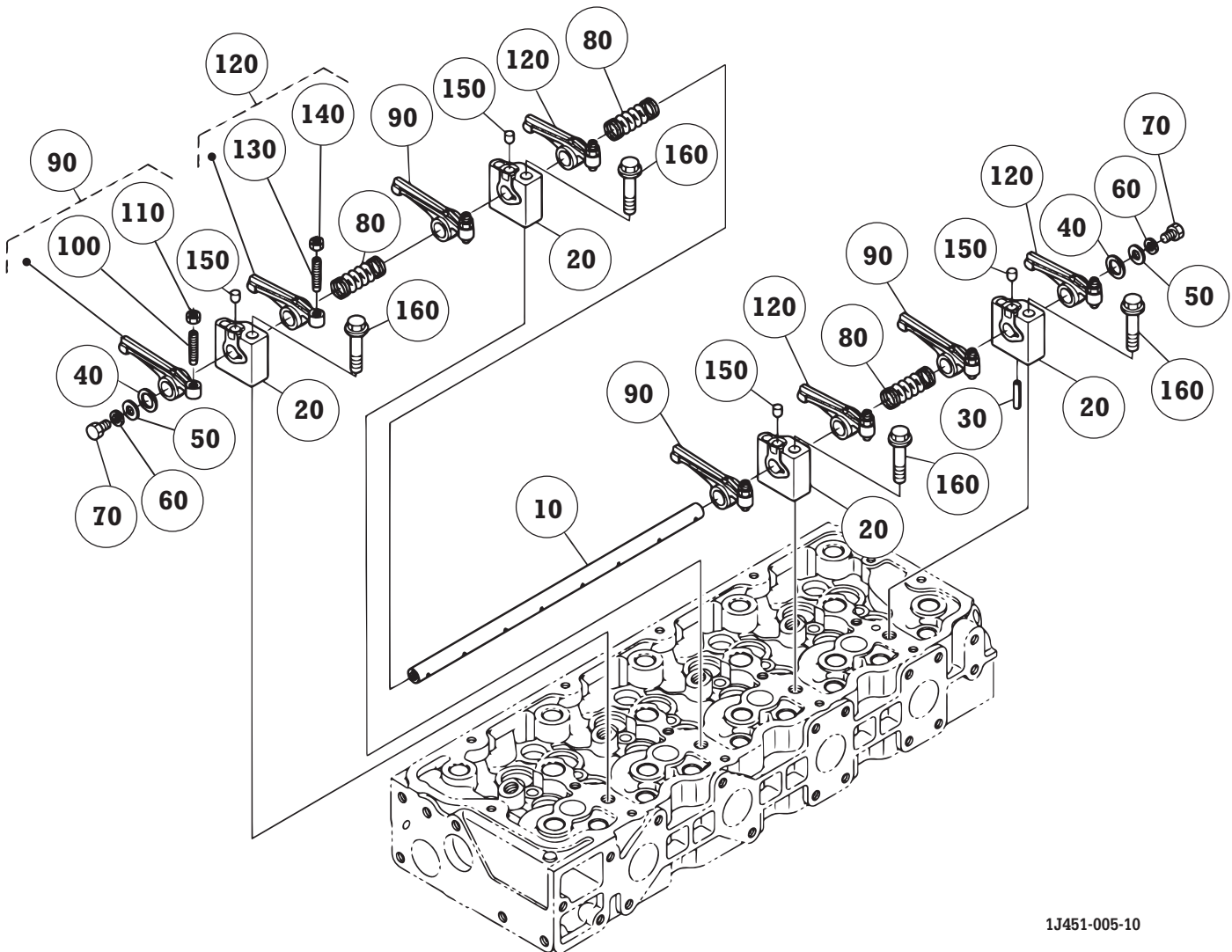
Bright Forklift

BD3-7570

INLET VALVE AND EXHAUST VALVE (503000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		HEAD, CYLINDER, ASSEMBLY
20	8		GUIDE (INLET VALVE)
30	8		GUIDE (EXHAUST VALVE)
40	8		VALVE, INLET
50	8		VALVE, EXHAUST
60	16		SPRING, VALVE
70	16		RETAINER, VALVE SPRING
80	16		COLLET SET (VALVE SPRING)
90	16	097-01255	SEAL, VALVE STEM
100	8		SHAFT, VALVE BURIGE
110	8		ARM, VALVE BURIGE
120	8		PAD

ROCKER ARM SHAFT (504000)



1J451-005-10



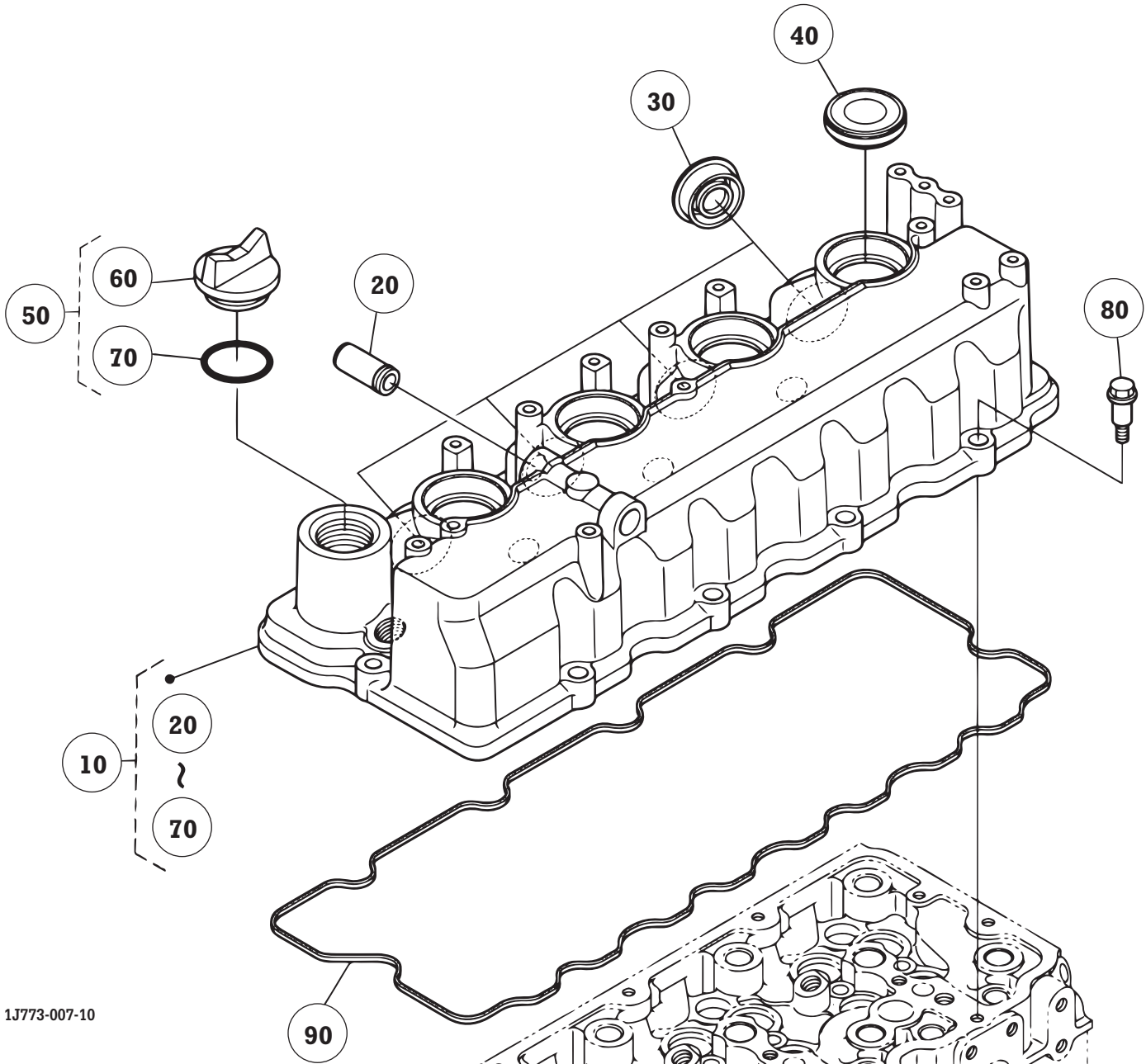
Bright Forklift

BD3-7570

ROCKER ARM SHAFT (504000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		SHAFT, ROCKER ARM
20	4		BRACKET (ROCKER ARM)
30	1		PIN, SPRING
40	2		WASHER
50	2		WASHER, PLAIN
60	2		WASHER, SPRING LOCK
70	2		HEX. BOLT
80	3		SPRING
90	4		ASSEMBLY ROCKER ARM, INTAKE
100	4		SCREW
110	4		NUT
120	4		ASSEMBLY ROCKER ARM, EXHAUST
130	4		SCREW
140	4		NUT
150	4		PIN (CLAMP)
160	4		BOLT, FLANGE

HEAD COVER (505000)



1J773-007-10

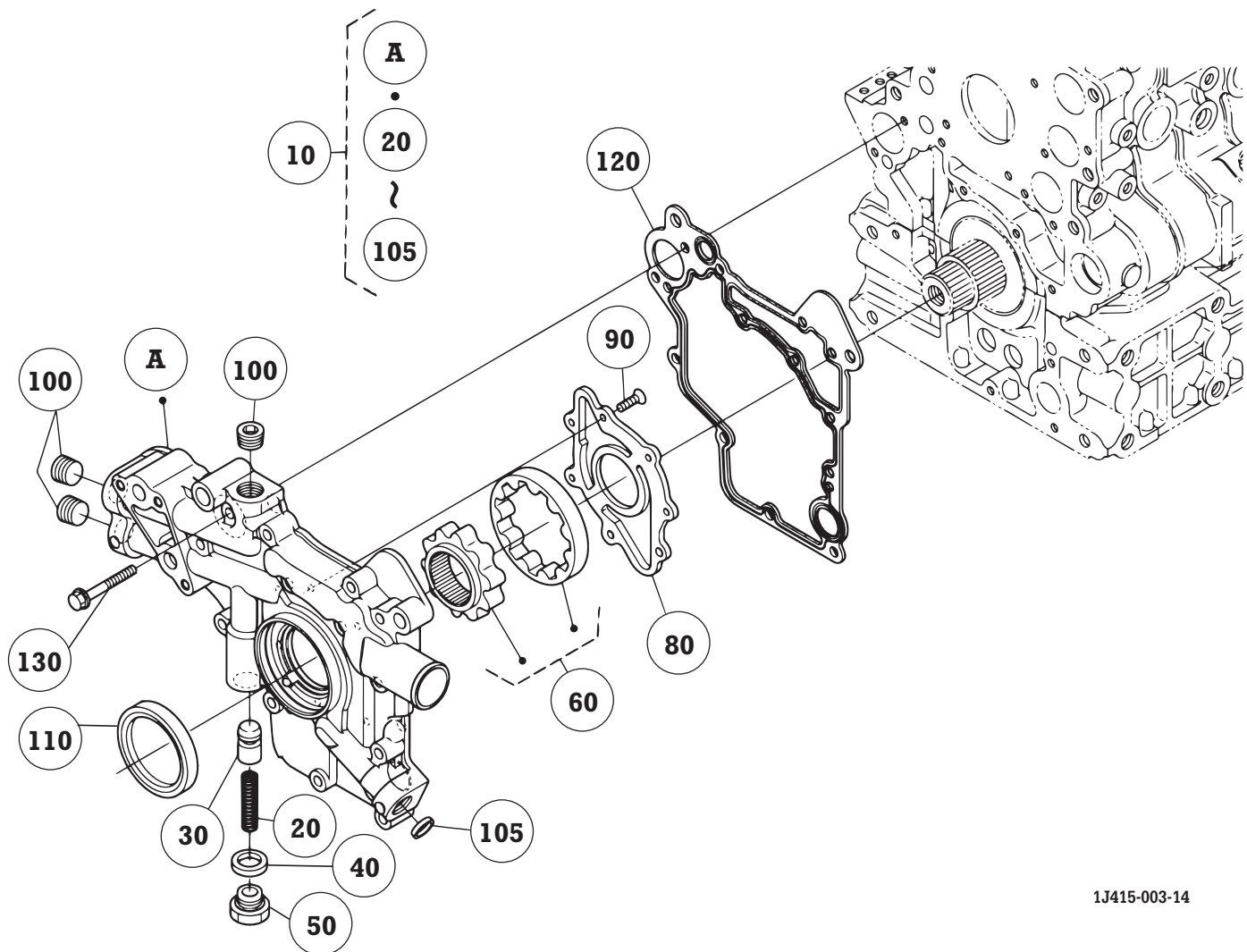


Bright Forklift

BD3-7570

HEAD COVER (505000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		COVER, HEAD, ASSEMBLY
20	1		JOINT, BREATHER PIPE
30	4	097-01182	SEAL, INJECTION PIPE
40	4	097-01183	SEAL (INJECTOR)
50	1		ASSEMBLY PLUG, OIL FILLER
60	1	097-01184	PLUG (OIL FILLER)
70	1	097-00130	O-RING
80	10		BOLT
90	1	097-01185	GASKET, HEAD COVER



1J415-003-14

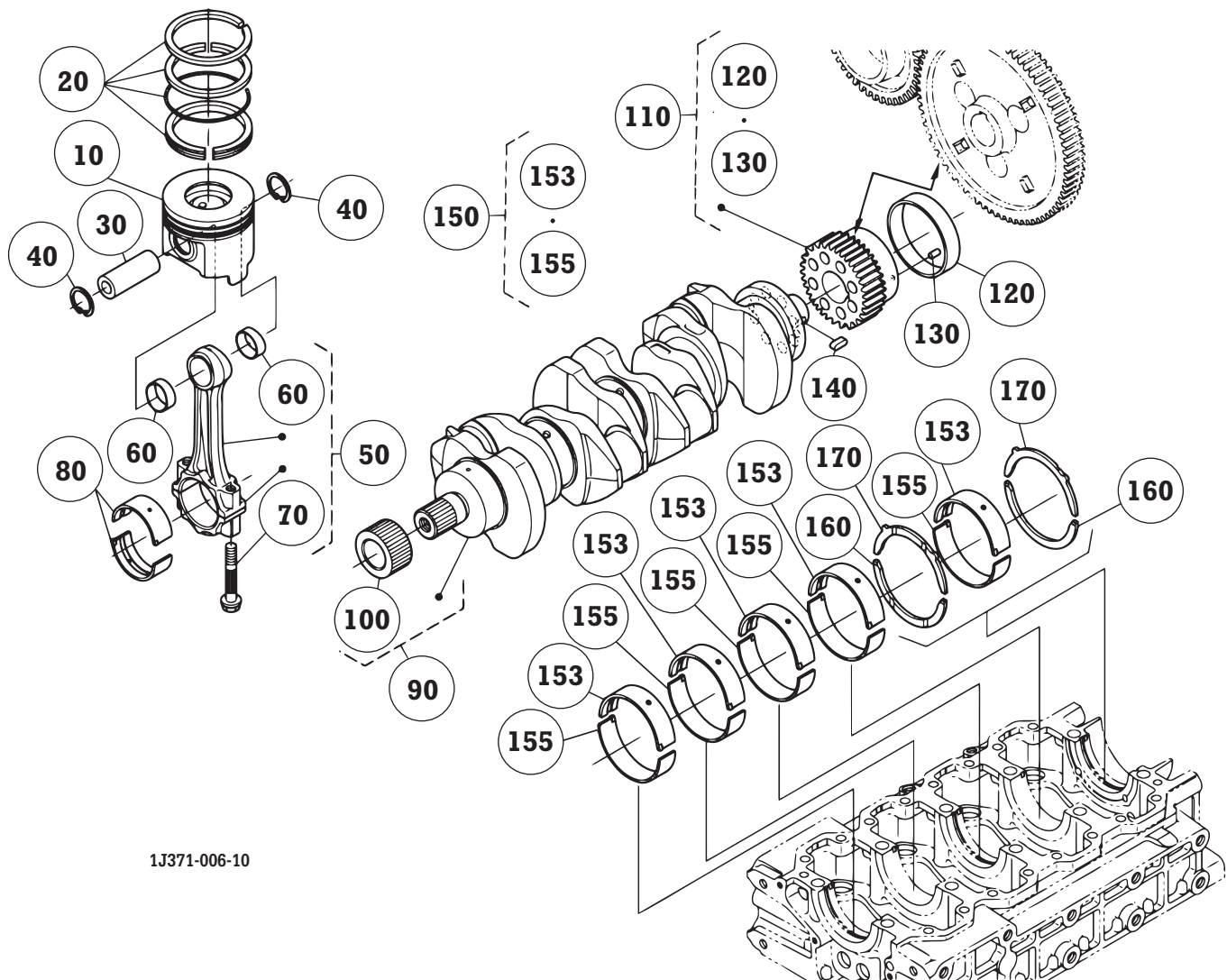


Bright Forklift

BD3-7570

FRONT COVER (510000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		ASSEMBLY COVER, FRONT
20	1		SPRING
30	1		VALVE, RELIEF
40	1		PACKING
50	1		PLUG
60	1		ASSEMBLY ROTOR, OIL PUMP
80	1		COVER, OIL PUMP
90	7		SCREW, FLAT HEAD (PHILLIPS)
100	3		PLUG
105	1		CAP, SEALING
110	1		SEAL, OIL
120	1	097-01272	GASKET (FRONT COVER)
130	13		BOLT, FLANGE



1J371-006-10

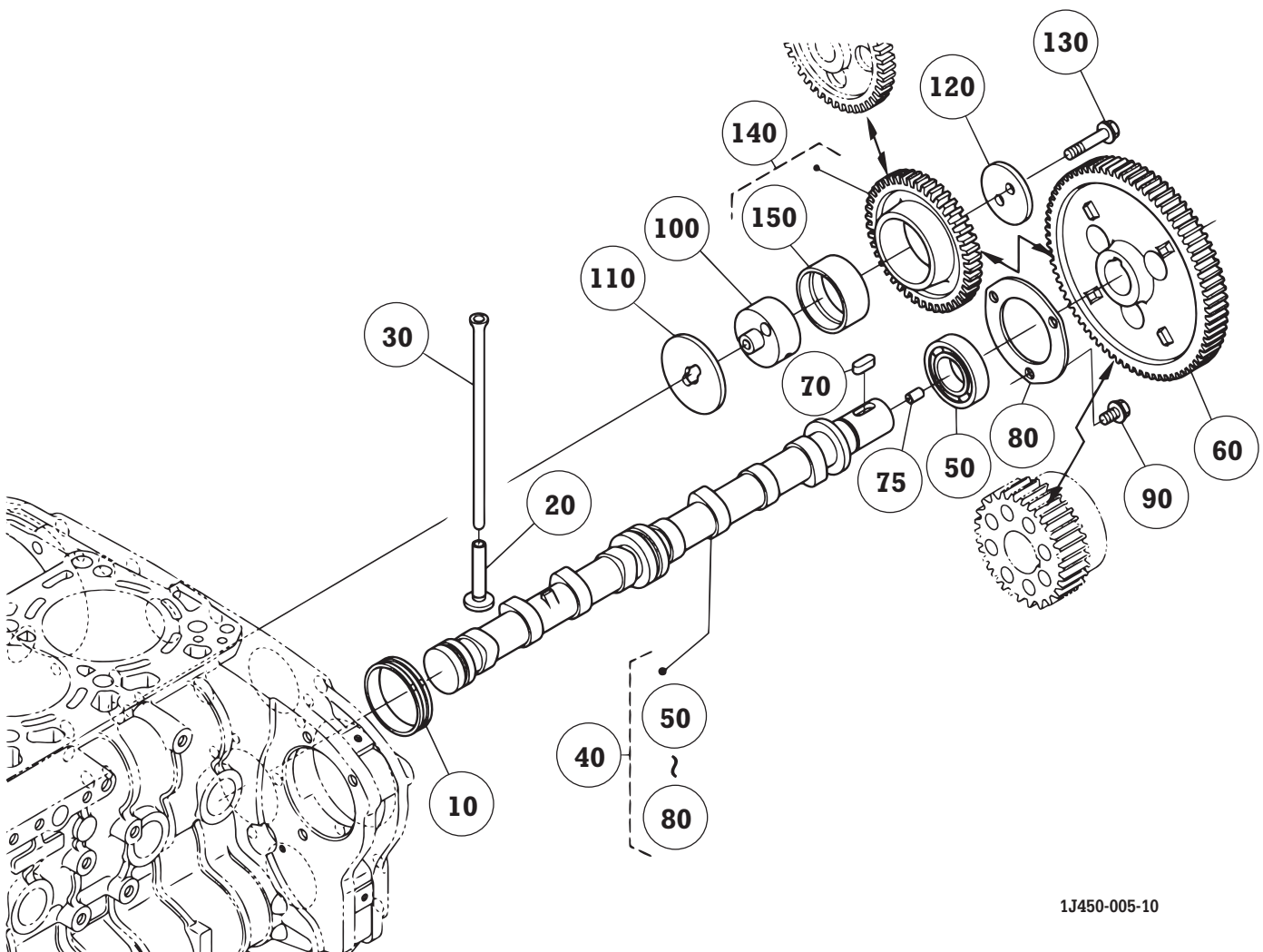


Bright Forklift

BD3-7570

PISTON AND CRANKSHAFT (511000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	4		PISTON, STD
	4		PISTON (05), +0.50MM
20	4		ASSEMBLY PISTON RING, STD
	4		ASSEMBLY PISTON RING
30	4		PIN, PISTON, +0.5MM
40	8		CIR-CLIP, INTERNAL
50	4		ASSEMBLY ROD, CONNECTING
60	8		BUSH, PISTON PIN
70	8		BOLT, CONNECTING ROD
80	4		METAL, CRANK PIN, STD/BLUE/SET
	4		METAL, CRANK PIN, STD/SET
	4		METAL, CRANK PIN, -0.2MM/GREEN/SET
	4		METAL, CRANK PIN, -0.4MM/RED/SET
90	1		COMPLETE CRANKSHAFT
100	1		GEAR, OIL PUMP DRIVE
110	1		ASSEMBLY GEAR, CRANKSHAFT
120	1		SLEEVE, CRANKSHAFT
130	1		PIN, STRAIGHT
140	1		KEY, STRAIGHT
150	5		KIT METAL, CRANKSHAFT, -0.2MM/SET
	5		KIT METAL, CRANKSHAFT, -0.4MM/SET
	5		KIT METAL, CRANKSHAFT, STD/SET
153	5		BLANK, -0.2MM
	5		BLANK, -0.4MM
	5		BLANK, STD
155	5		BLANK, STD/SET
	5		BLANK, -0.2MM
	5		BLANK, -0.4MM
160	2		METAL, SIDE, STD
	2		METAL, SIDE, +0.20MM
	2		METAL, SIDE, +0.40MM
170	2		METAL, SIDE, +0.20MM
	2		METAL, SIDE, +0.40MM
	2		METAL, SIDE, STD



1J450-005-10



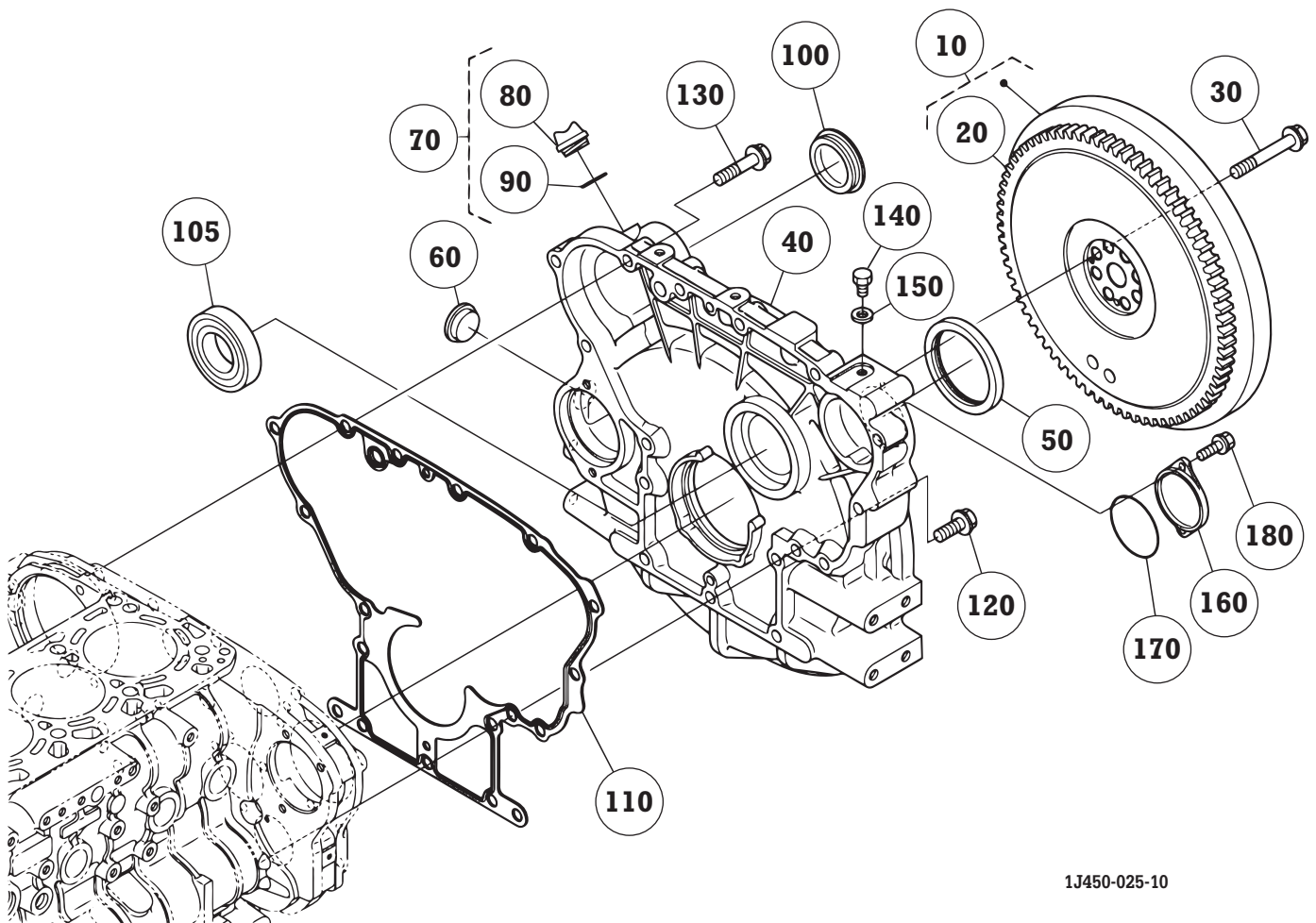
Bright Forklift

BD3-7570

CAMSHAFT AND IDLE GEAR SHAFT (512000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		COVER, CAMSHAFT
20	8		TAPPET
30	8		PUSH ROD
40	1		CAMSHAFT, ASSEMBLY
50	1		BEARING, ROLLER
60	1	097-01309	GEAR (CAM)
70	1		KEY, FEATHER
75	1		PIN, PIPE
80	1		STOPPER, CAMSHAFT
90	3		BOLT, FLANGE
100	1	097-01280	SHAFT (IDLE GEAR)
110	1	097-01275	COLLAR
120	1	097-01288	COLLAR
130	2	097-01290	BOLT, FLANGE
140	1	097-01276	GEAR, COMPLETE (IDLE)
150	1		BUSHING (IDLE GEAR)

FLYWHEEL (515000)



1J450-025-10



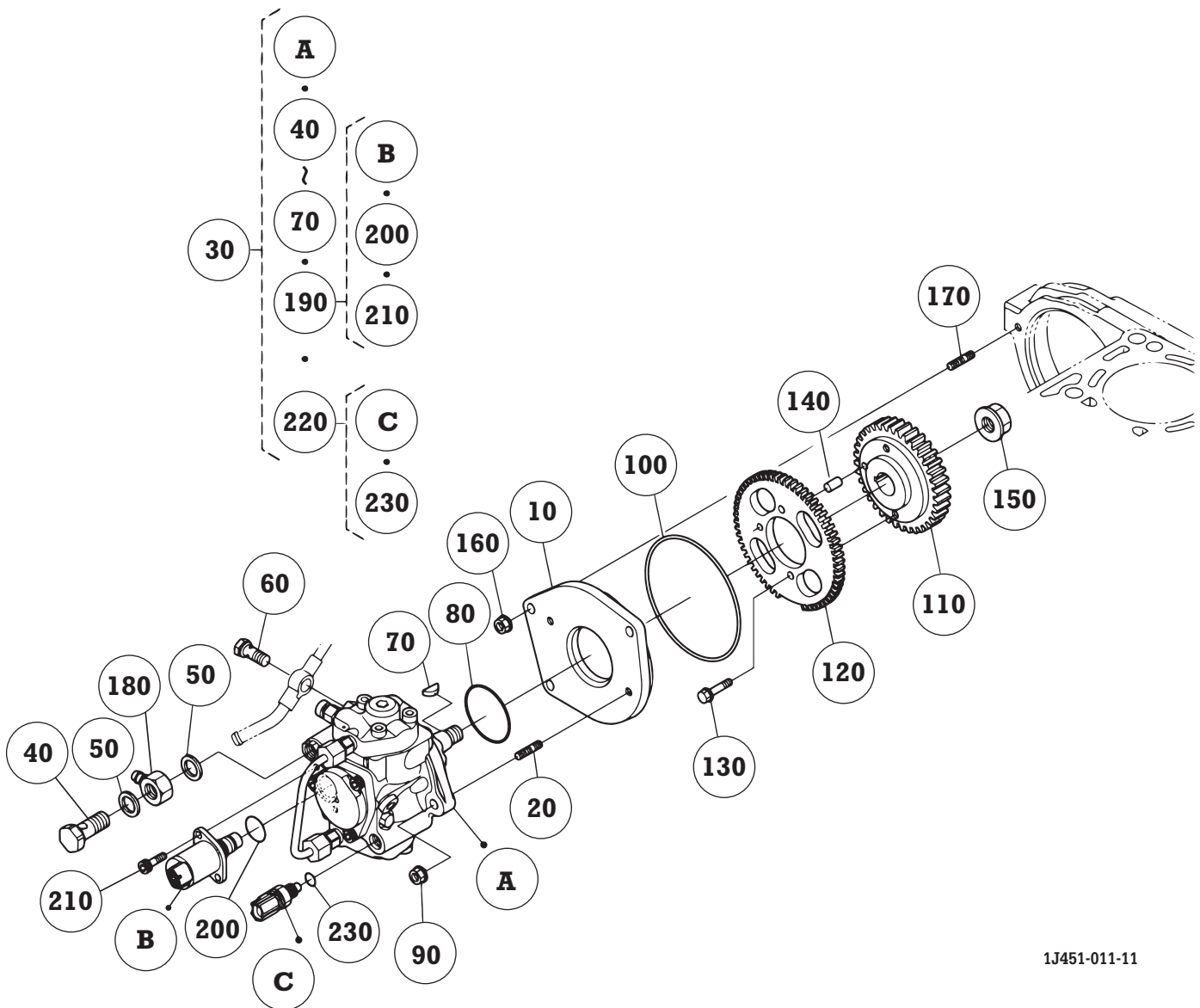
Bright Forklift

BD3-7570

FLYWHEEL (515000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01277	COMPLETE FLYWHEEL
20	1	097-01287	GEAR, RING
30	8	097-01278	BOLT, FLYWHEEL
40	1		HOUSING, FW
50	1	097-01274	SEAL, OIL
60	1		COVER
70	1		ASSEMBLY PLUG, OIL FILLER
80	1		PLUG (OIL FILLER)
90	1	097-00130	O-RING
100	1	097-01285	PLUG
105	1		BEARING, ROLLER
110	1	097-01271	GASKET, HOUSING
120	8		BOLT, FLANGE
130	8	097-01279	BOLT, FLANGE
140	1		PLUG
150	1		GASKET
160	1		COVER
170	1		O-RING
180	2		BOLT, FLANGE

SUPPLY PUMP (526500)



1J451-011-11



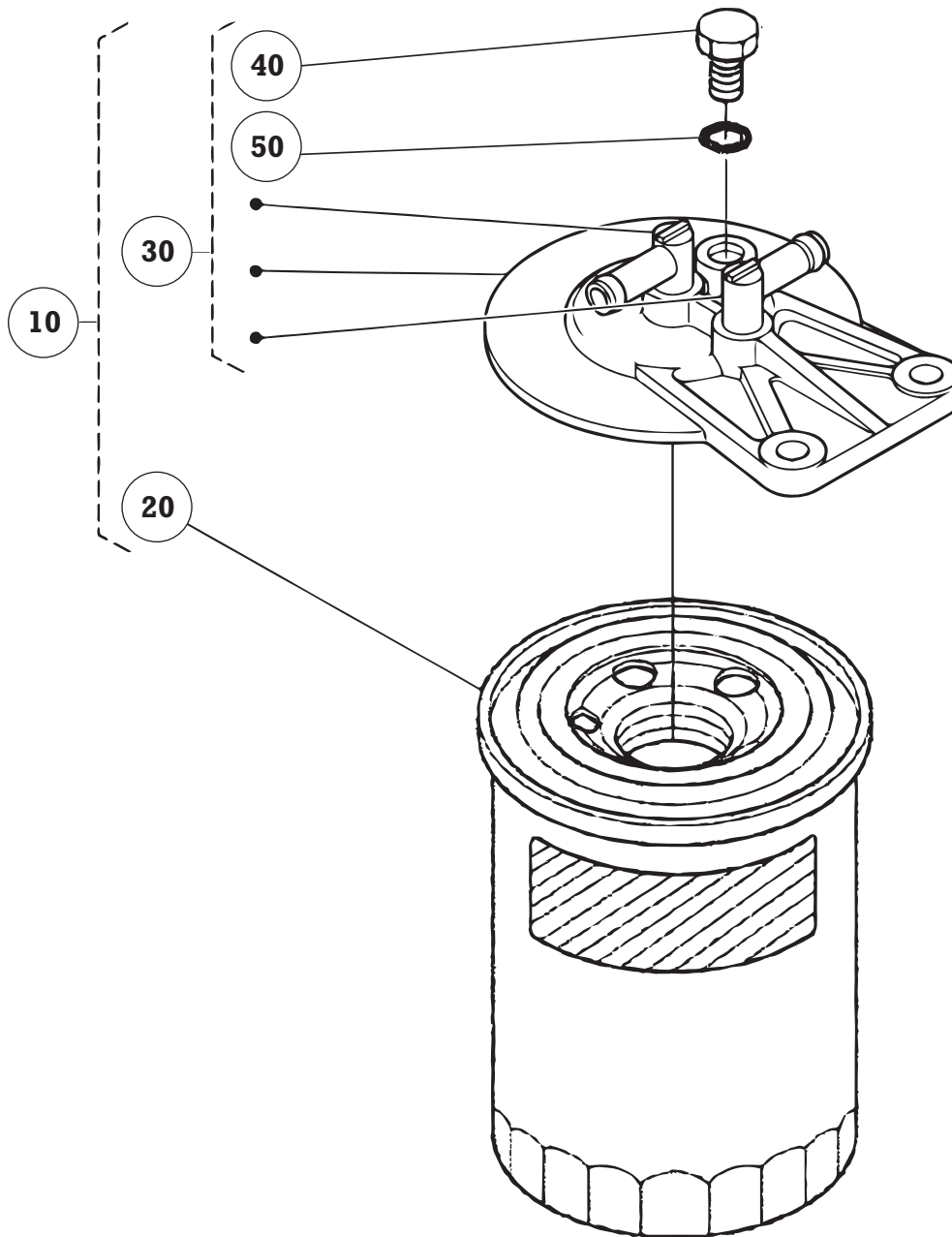
Bright Forklift

BD3-7570

SUPPLY PUMP (526500)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		BASE (SUPPLY PUMP)
20	2	097-01312	STUD
30	1	097-01186	PUMP, ASSEMBLY (SUPPLY)
40	1	097-01187	SCREW, HOLLOW
50	2	097-01188	GASKET
60	1	097-01189	SCREW, HOLLOW
70	1		KEY, WOODRUFF
80	1	097-01190	GASKET (PUMP)
90	2		NUT, FLANGE
100	1	097-01287	GASKET, INJECTION PUMP
110	1	097-01270	GEAR, SUPPLY PUMP
120	1	097-01286	GEAR
130	2	097-00454	BOLT, FLANGE
140	1	097-00060	PIN, STRAIGHT
150	1		NUT, UBS
160	3		NUT, FLANGE
170	3	097-01312	STUD
180	1		JOINT, EYE
190	1	097-01191	VALVE, KIT (SCV)
200	1		O-RING
210	2		SCREW, HEX SOC. CAP
220	1	097-01192	SENSOR, KIT (FUEL TEMPERATURE)
230	1		O-RING

FUEL FILTER (531000)



1G390-010-11

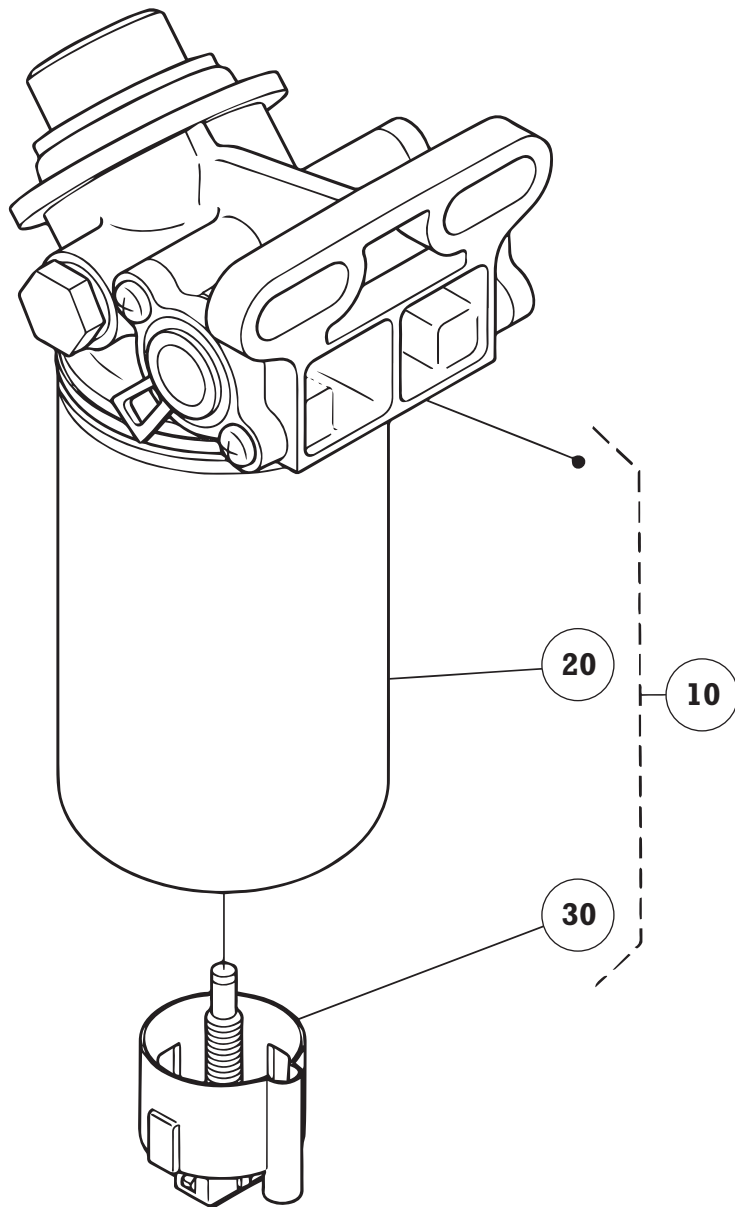


Bright Forklift

BD3-7570

FUEL FILTER (531000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-24903	FILTER, ASSEMBLY (FUEL)
20	1	097-24900	CARTRIDGE, FILTER
30	1		BASE, FILTER
40	1		PLUG (M8 X 1.25)
50	1	097-01311	GASKET



1J490-009-10



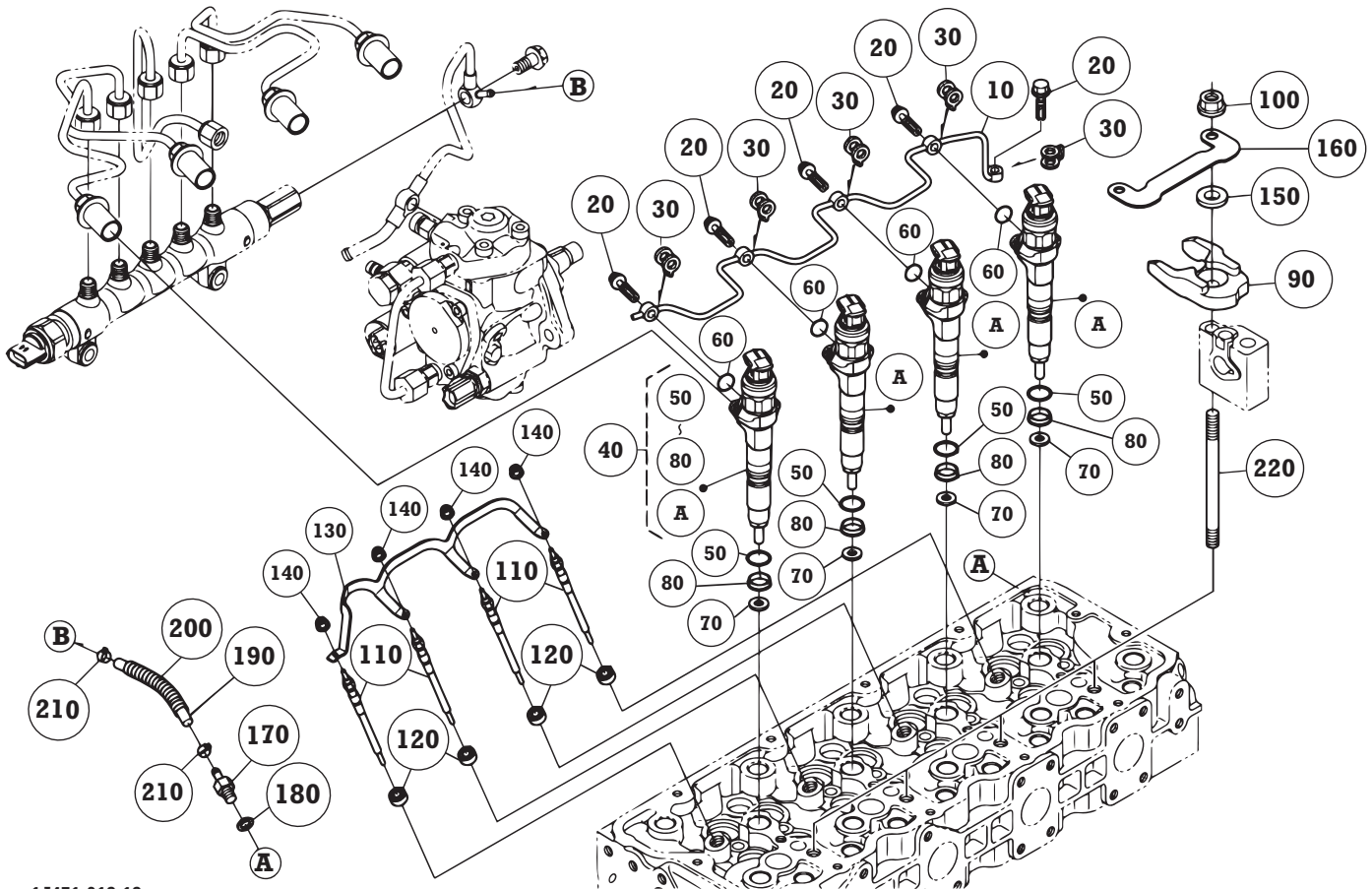
Bright Forklift

BD3-7570

SEPARATOR (532500)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-24904	FILTER, ASSEMBLY (WITH SEPARATOR)
20	1	097-20971	FILTER
30	1	097-01193	SWITCH, ASSEMBLY

INJECTION PIPE (545000)



1J451-012-12

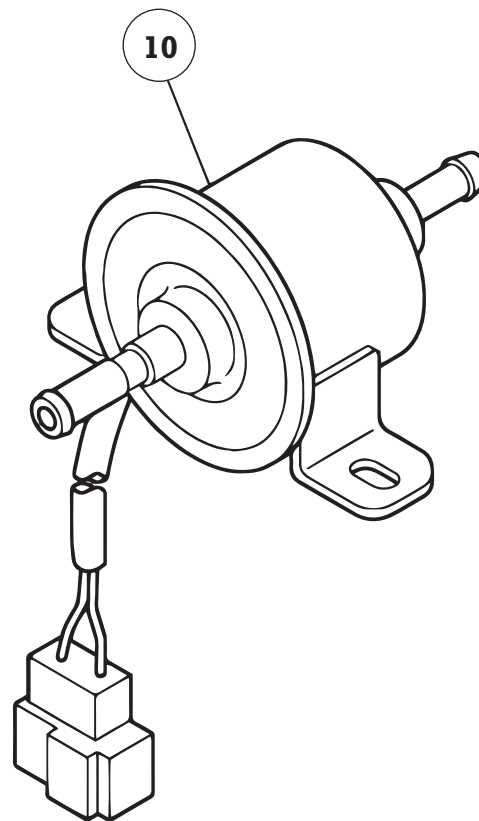


Bright Forklift

BD3-7570

INJECTION PIPE (545000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		PIPE, ASSEMBLY (WATER OVER FLOW)
20	5		BOLT (JOINT, SWV PIPE)
30	5	097-01194	GASKET
40	4	097-01195	INJECTOR, KIT
50	4	097-01196	O-RING
60	4	097-01197	O-RING
70	4	097-01135	PACKING
80	4	097-01198	BUSHING (INJECTOR)
90	4		CLAMP (INJECTOR)
100	4		NUT, FLANGE
110	4	097-01199	GLOW PLUG
120	4	097-01200	SEAL, GLOW PLUG
130	1		CORD (GLOW PLUG)
140	4	097-00327	NUT, FLANGE
150	4		WASHER (CLAMP, 1)
160	2		WASHER (CLAMP, 2)
170	1		SCREW (AIR BREADER)
180	1		PACKING
190	1		TUBE, FUEL
200	1		PROTECTOR (TUBE)
210	2		BAND, PIPE
220	4		STUD (CLAMP)



1J450-006-10

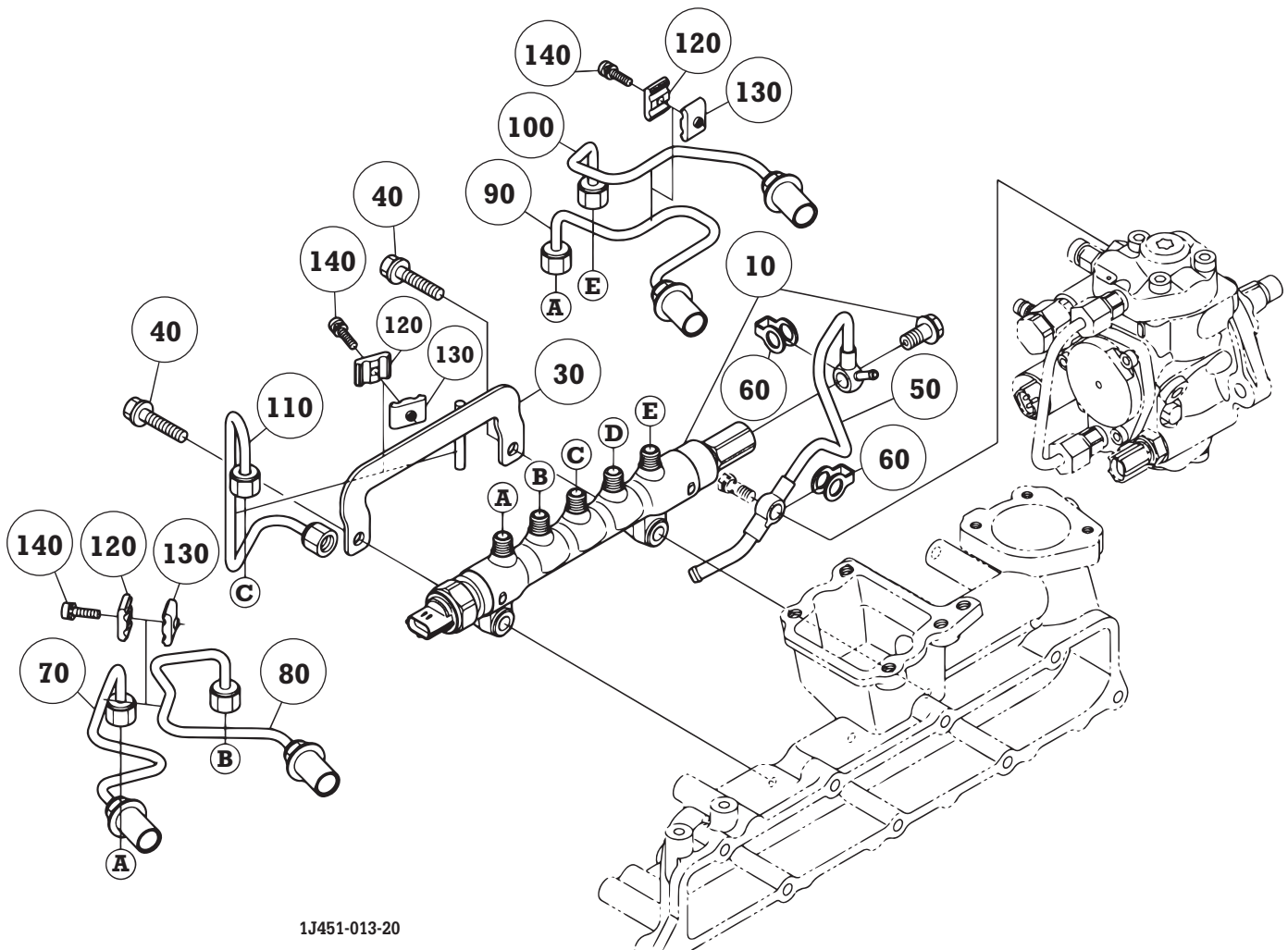


Bright Forklift

BD3-7570

FUEL PUMP (ELECTRICAL) (547100)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-20973	ASSEMBLY PUMP, FUEL



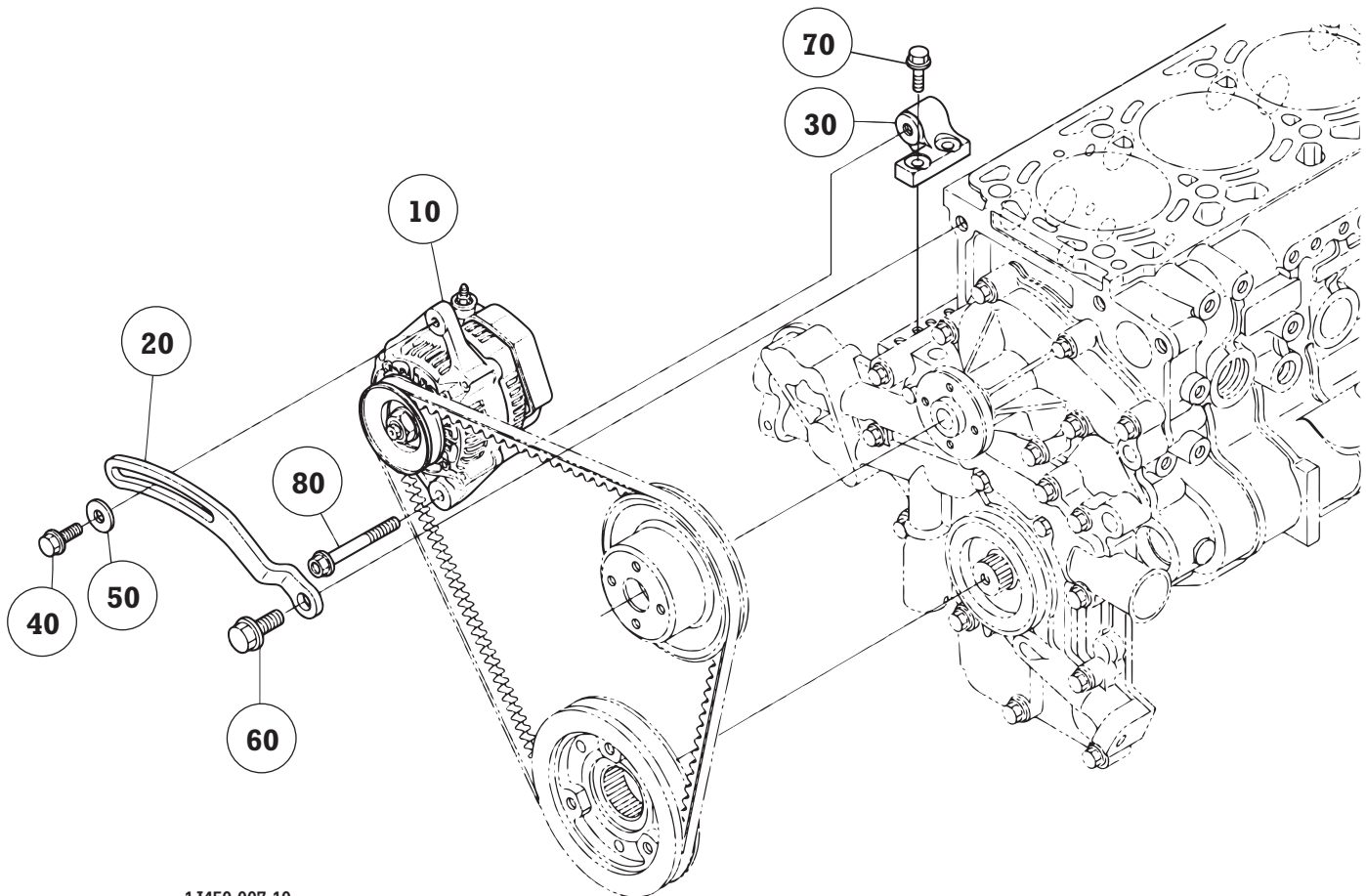


Bright Forklift

BD3-7570

COMMON RAIL (548000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01201	RAIL, ASSEMBLY
30	1		STAY (INJECTION PIPE)
40	2		BOLT, FLANGE
50	1		PIPE, COMPLETE (WATER OVER FLOW)
60	2		GASKET (FUEL)
70	1		PIPE (INJECTION)
80	1		PIPE (INJECTION)
90	1		PIPE (INJECTION)
100	1		PIPE (INJECTION)
110	1		PIPE
120	3		CLAMP, PIPE
130	3		CLAMP, PIPE
140	3		SCREW, SEMS (PAN HEAD)



1J450-007-10

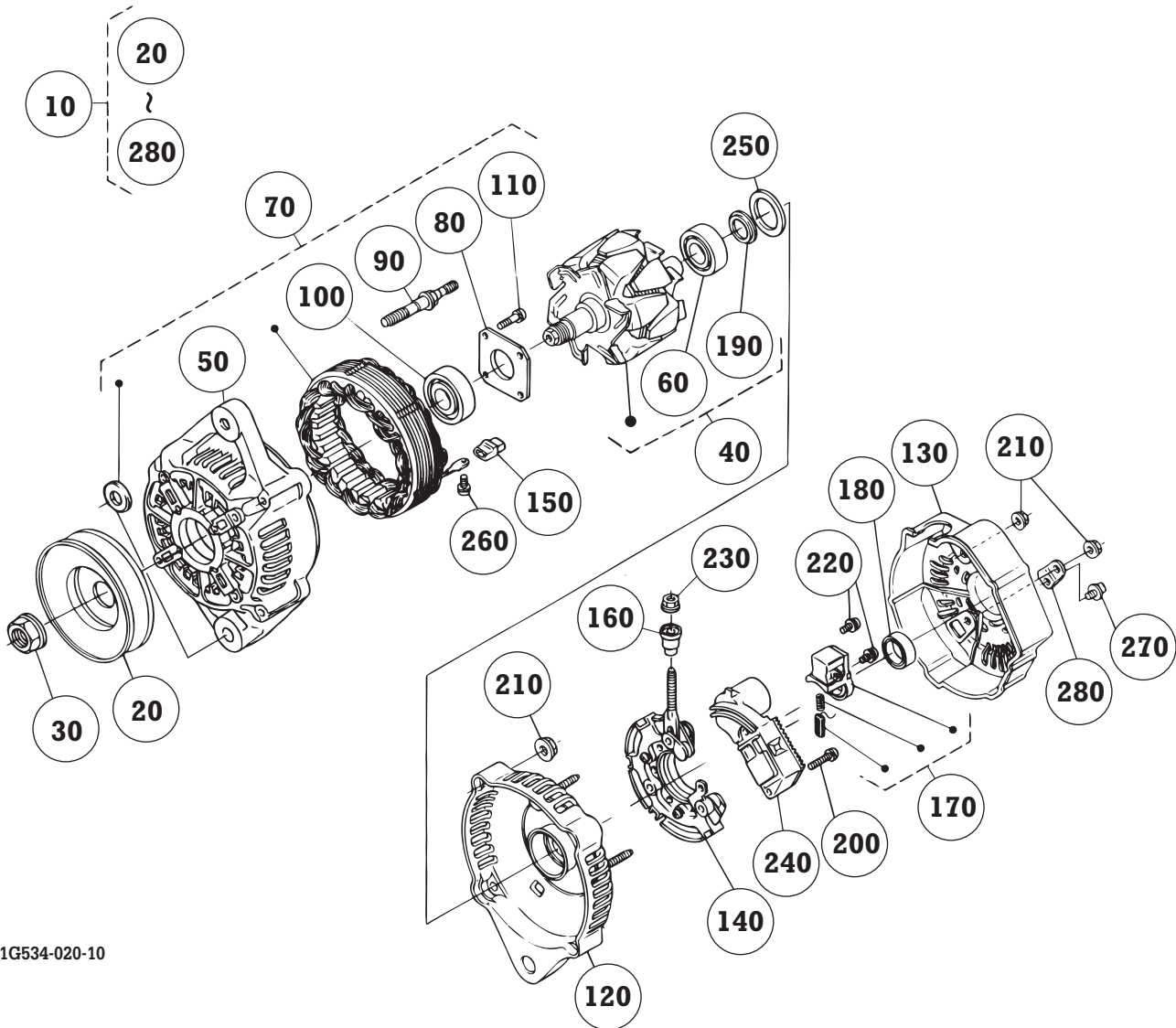


Bright Forklift

BD3-7570

ALTERNATOR AND PULLEY (550000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01202	ASSEMBLY ALTERNATOR, 12V 90A
20	1		STAY, DYNAMO
30	1		SUPPORT, DYNAMO
40	1		BOLT, FLANGE
50	1		WASHER, PLAIN
60	1		BOLT, FLANGE
70	2		BOLT, FLANGE
80	1		BOLT, FLANGE



1G534-020-10

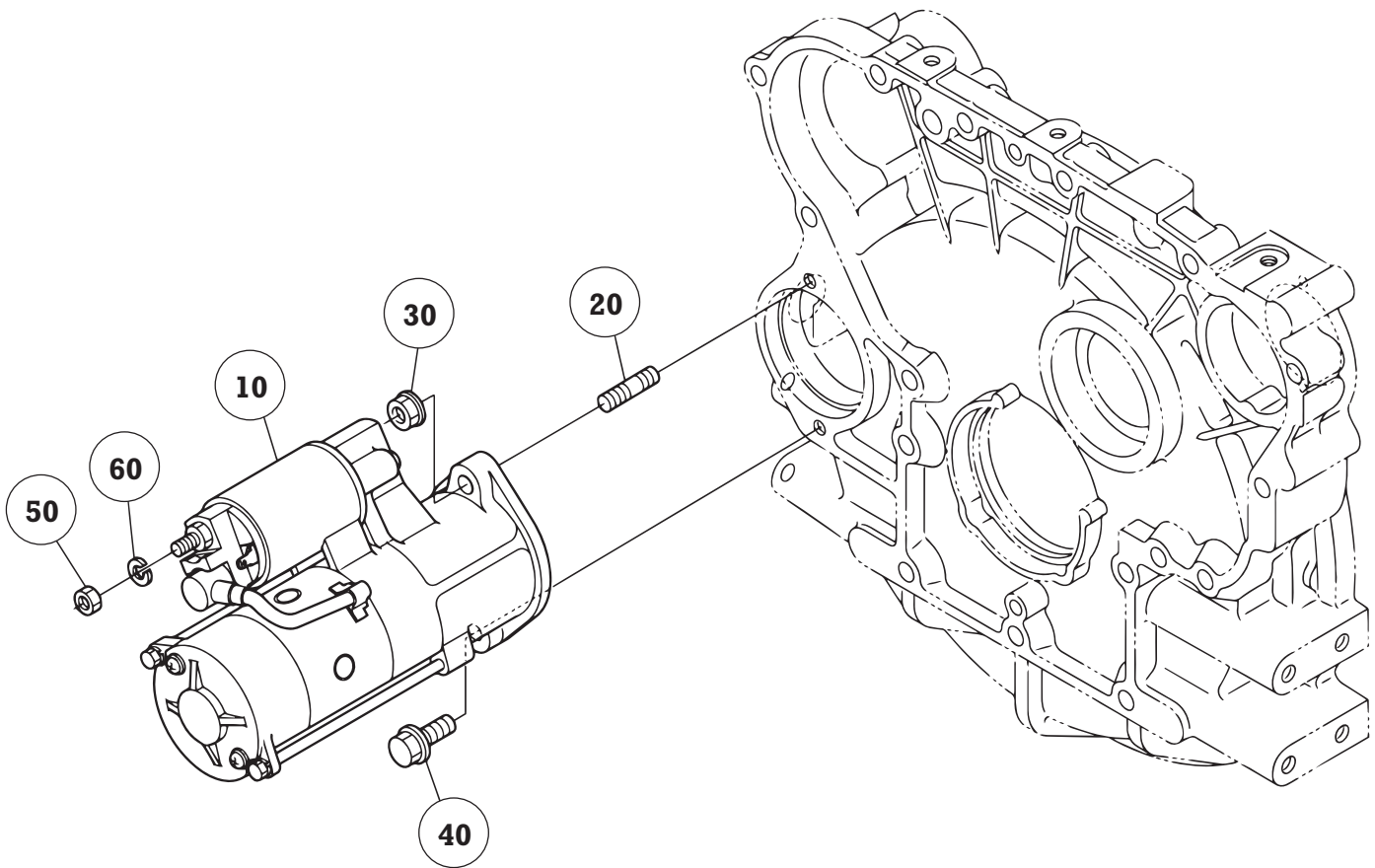


Bright Forklift

BD3-7570

ALTERNATOR [COMPONENT PARTS] (551000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01202	ASSEMBLY ALTERNATOR, 12V 90A
20	1		PULLEY, ALTERNATOR
30	1		NUT
40	1		ASSEMBLY, ROTOR
50	1		COVER, BEARING
60	1		BEARING, BALL
70	1		ASSEMBLY FRAME, DRIVE END
80	1		PLATE, RETAINER
90	4		BOLT, THROUGH
100	1		BEARING, BALL
110	4		BOLT
120	1		FRAME, END
130	1		COVER, REAR END
140	1		ASSEMBLY RECTIFIER
150	4		BUSH, INSULATION
160	1		BUSH, INSULATION
170	1		HOLDER, BRUSH
180	1		RING, SEAL
190	1		RING, SEAL
200	2		SCREW, ROUND HEAD
210	7		NUT
220	3		SCREW, ROUND HEAD
230	1		NUT
240	1		ASSEMBLY REGULATOR
250	1		WASHER
260	4		SCREW, ROUND HEAD
270	1		SCREW, ROUND HEAD
280	1		PLATE, TERMINAL



1J450-026-10

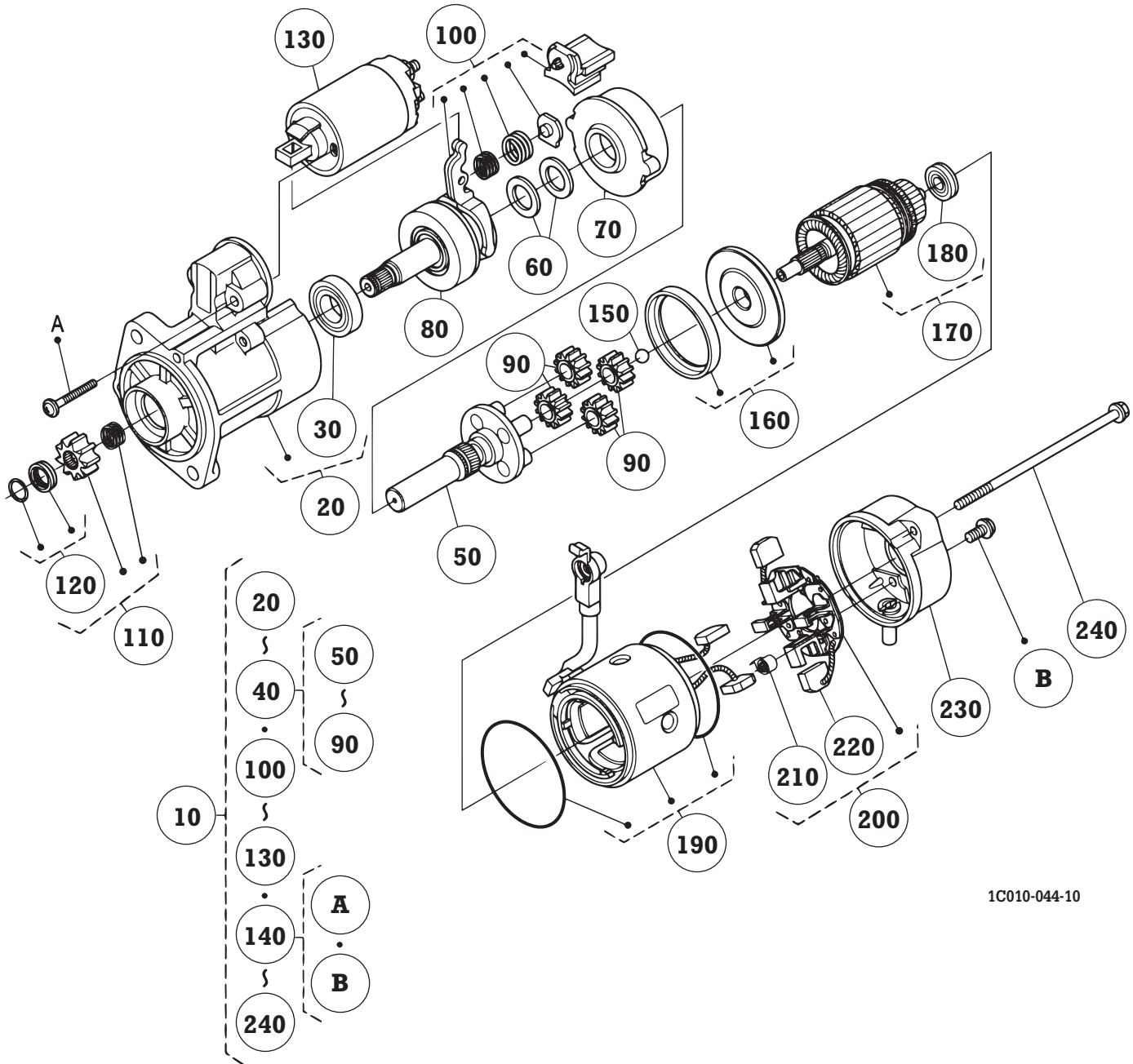


Bright Forklift

BD3-7570

STARTER (554000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01203	ASSEMBLY STARTER, 12V 3.0KW
20	1		BOLT, STUD
30	1		NUT, FLANGE
40	1		BOLT, FLANGE
50	1		HEX. NUT
60	1		WASHER, SPRING LOCK



1C010-044-10

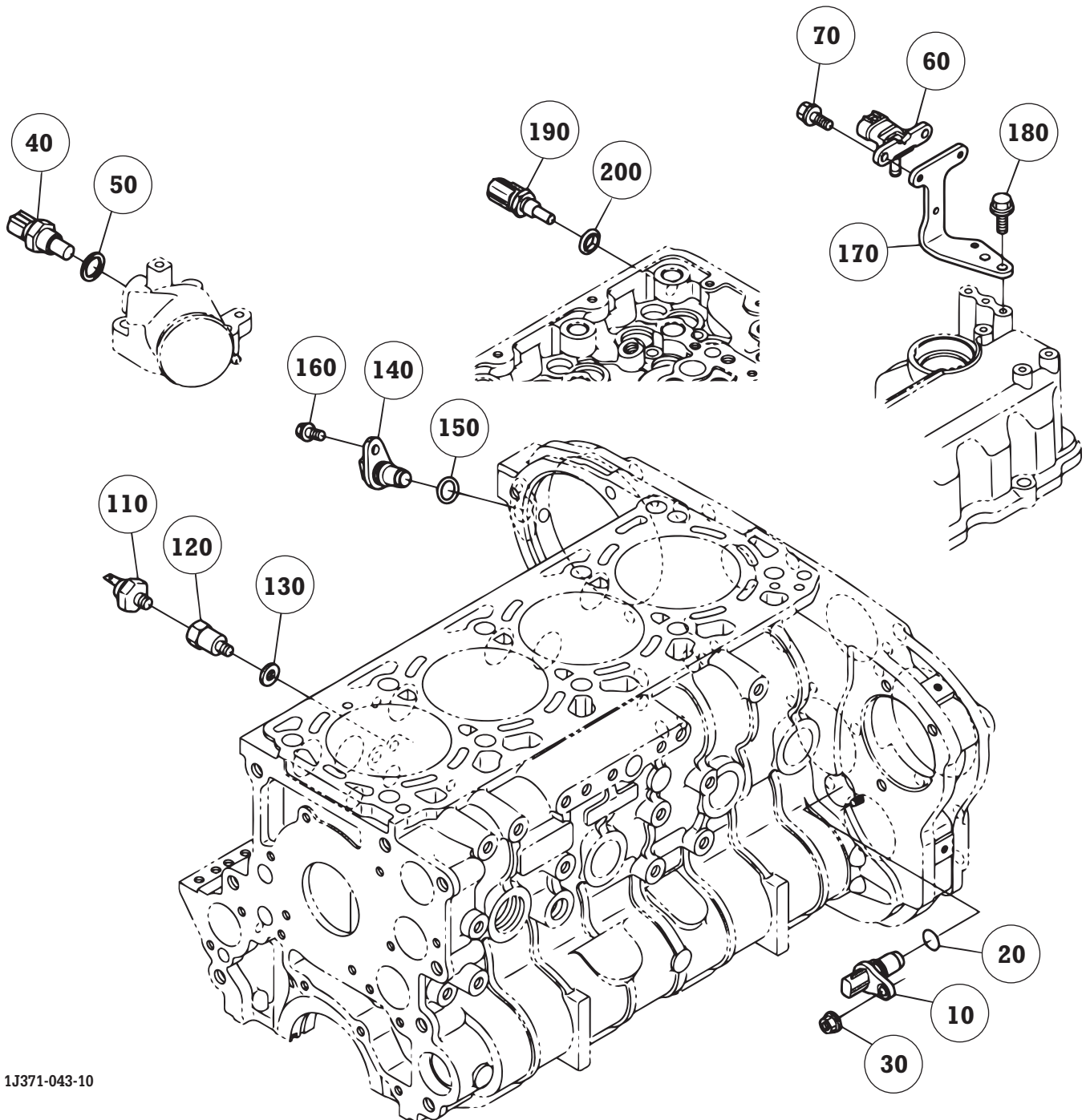


Bright Forklift

BD3-7570

STARTER [COMPONENT PARTS] (555000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01203	ASSEMBLY STARTER, 12V 3.0KW
20	1		ASSEMBLY BRACKET, FRONT
30	1		SET BEARING
40	1		ASSEMBLY SHAFT, CLUTCH
50	1		ASSEMBLY SHAFT, GEAR
60	1		SET WASHER
70	1		SET GEAR
80	1		CLUTCH, OVER RUNNING
90	4		ASSEMBLY GEAR
100	1		ASSEMBLY LEVER, SET
110	1		SET PINION
120	1		SET STOPPER
130	1		ASSEMBLY SWITCH, MAGNETIC
140	1		SET SCREW
150	1		BALL
160	1		SET, PACKING
170	1		ASSEMBLY ARMATURE
180	1		BEARING
190	1		ASSEMBLY YOKE
200	1		ASSEMBLY HOLDER, BRUSH
210	4		BRUSH, SPRING
220	2		BRUSH
230	1		ASSEMBLY BRACKET, REAR
240	1		SET, BOLT



1J371-043-10

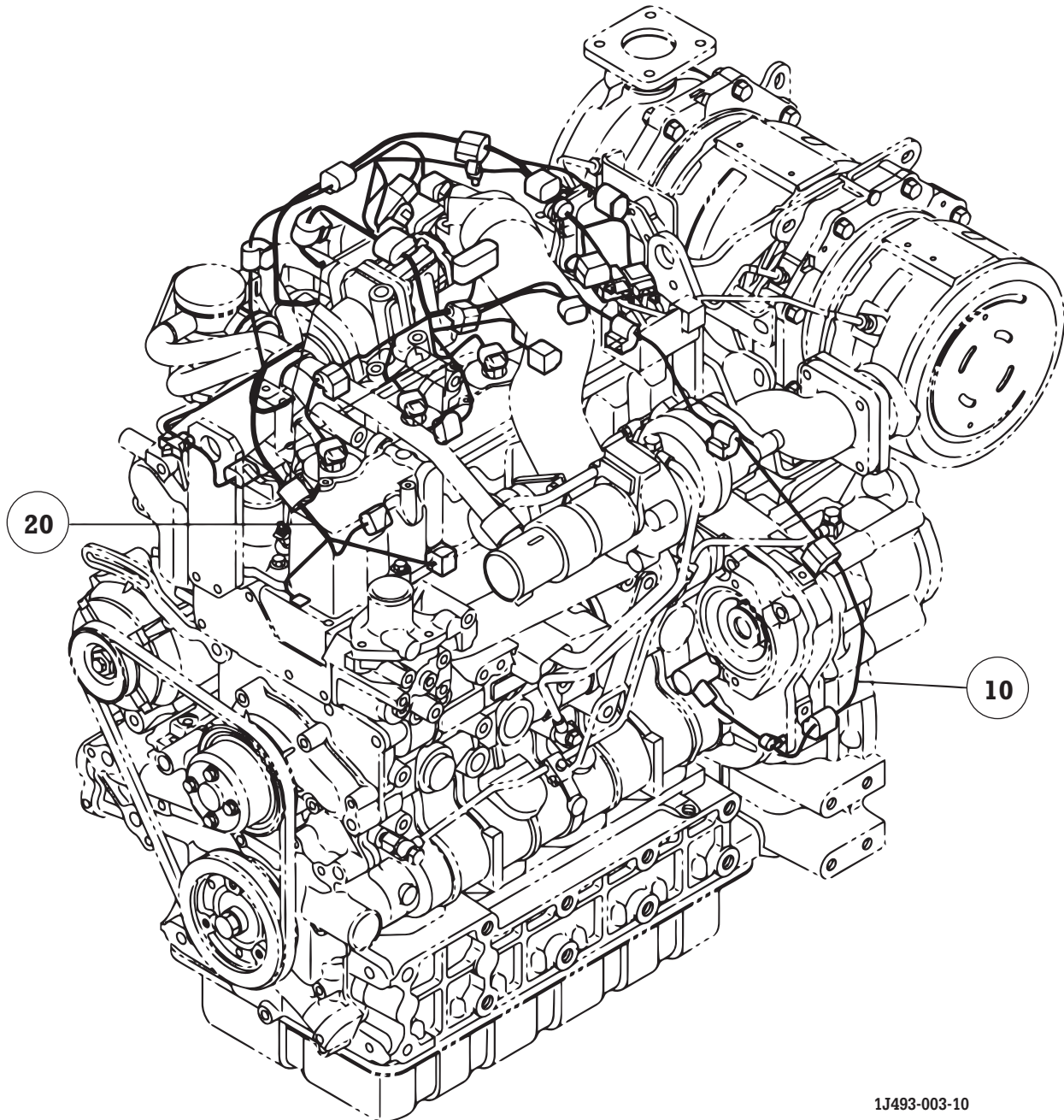


Bright Forklift

BD3-7570

SWITCHES AND SENSORS (557000)

ITEM	QTY.	PART NUMBER	PART NAME
10	1	097-01204	SENSOR (G)
20	1	097-01205	O-RING
30	1		NUT, FLANGE
40	1	097-01206	SENSOR (THERMOSTAT)
50	1	097-00160	PACKING
60	1	097-01207	SENSOR, BOOST
70	2		BOLT, FLANGE
110	1	097-01145	SWITCH, OIL
120	1		BOLT, CONNECT.
130	1	097-01208	PACKING
140	1	097-01209	SENSOR (NE)
150	1	097-01210	O-RING
160	1		BOLT, FLANGE
170	1		BRACKET (BOOST)
180	2		BOLT, FLANGE
190	1	097-01146	SENSOR, WATER TEMPERATURE
200	1	097-01211	WASHER, SEAL



1J493-003-10



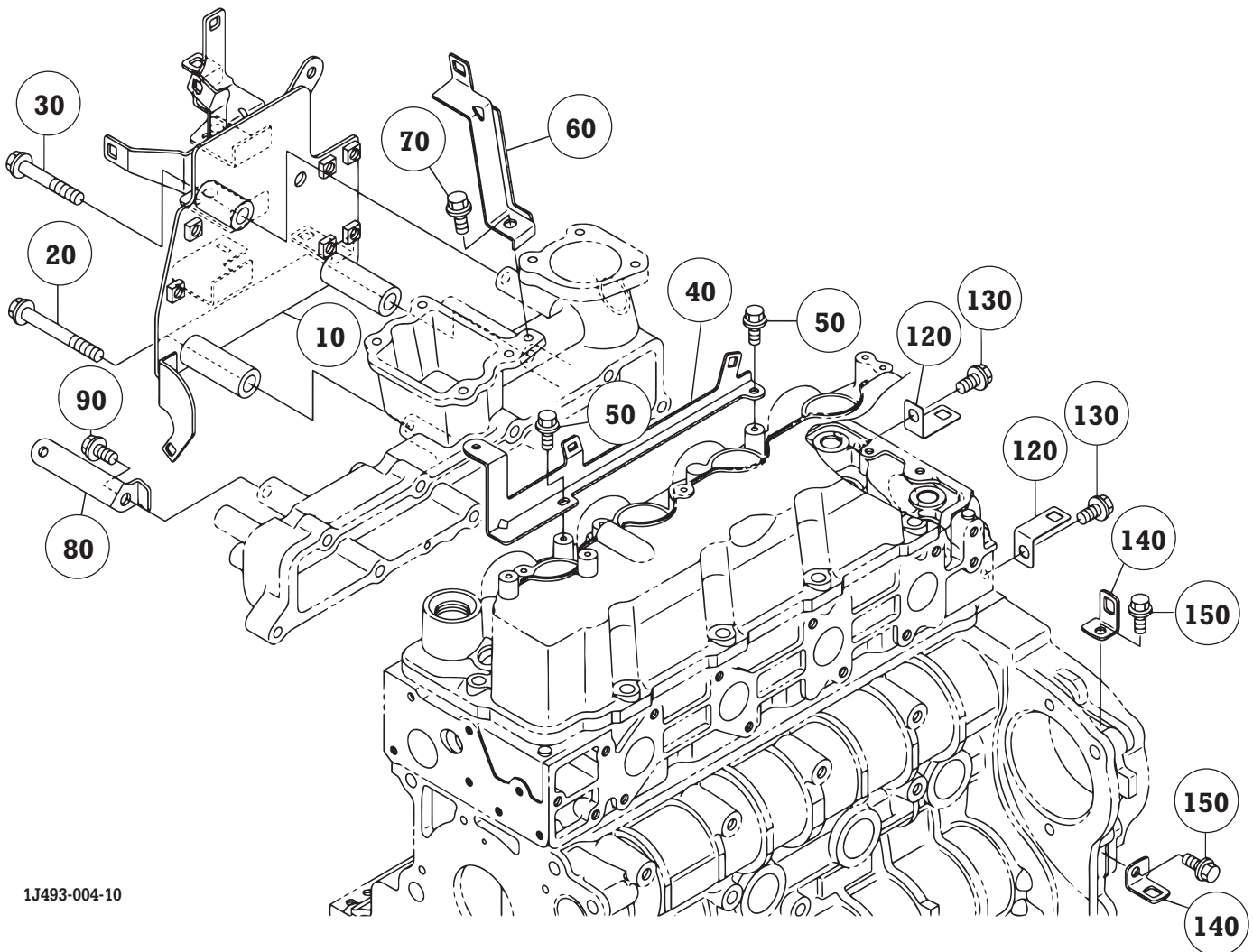
Bright Forklift

BD3-7570

ELECTRICAL WIRING (558000)

ITEM	QTY.	PART NUMBER	PART NAME
10	1	097-01212	HARNESS, WIRE, ASSEMBLY (ENGINE)
20	1	097-01213	HARNESS, WIRE, ASSEMBLY (INJECTOR)

WIRE HARNESS BRACKET 1 (558500)



1J493-004-10



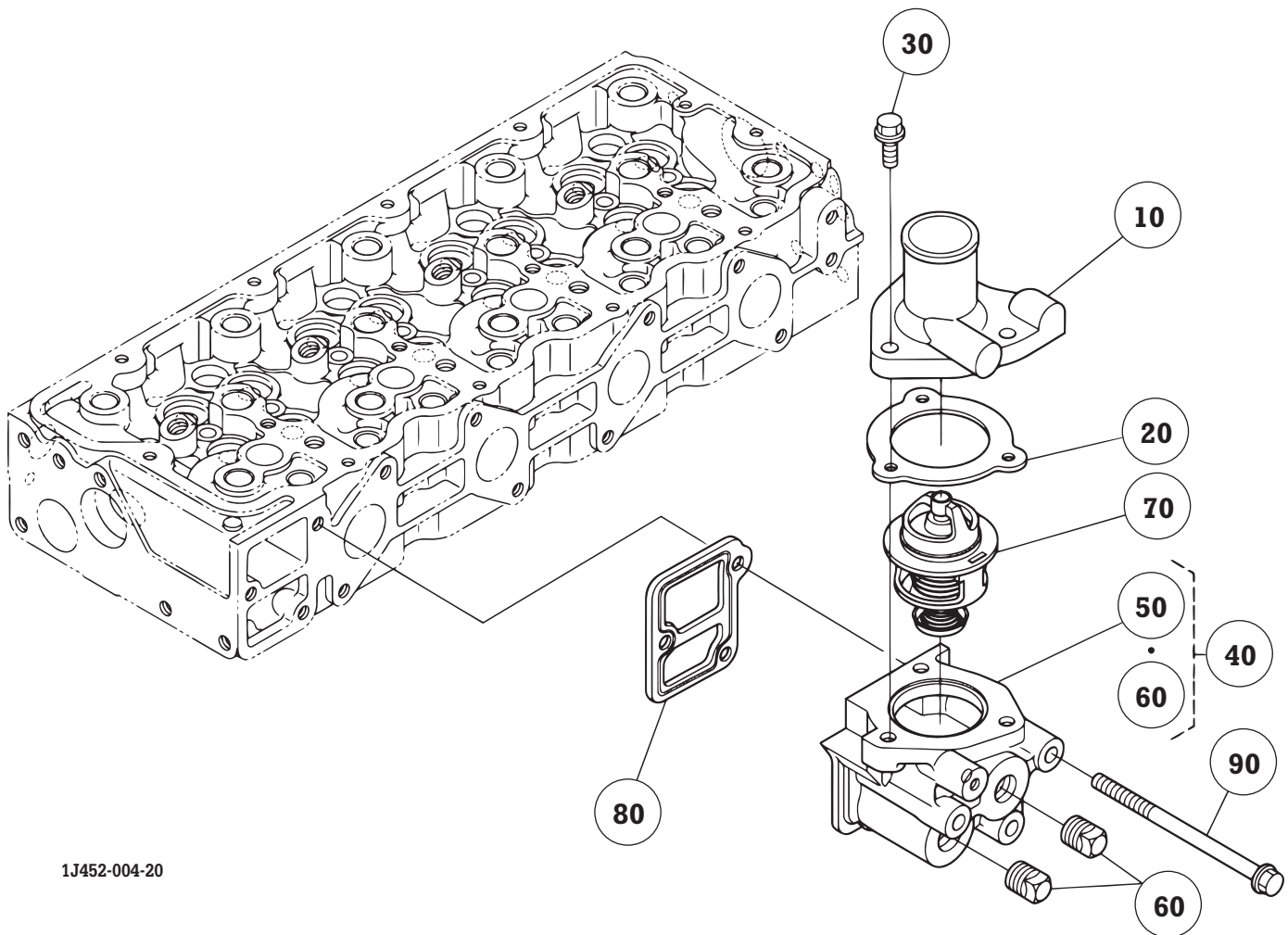
Bright Forklift

BD3-7570

WIRE HARNESS BRACKET 1 (558500)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		BRACKET, COMPLETE (HARNESS)
20	2		BOLT, FLANGE
30	1		BOLT, FLANGE
40	1		BRACKET, COMPLETE (WH, 2)
50	2		BOLT, FLANGE
60	1		BRACKET (WIRE HARNESS, 3)
70	1		BOLT, FLANGE
80	1		BRACKET (WIRE HARNESS, 4)
90	1		BOLT, FLANGE
120	2		BRACKET (WIRE HARNESS, 5)
130	2		BOLT, FLANGE
140	2		PLATE, CLAMP
150	2		BOLT, FLANGE

WATER FLANGE AND THERMOSTAT (560000)



1J452-004-20



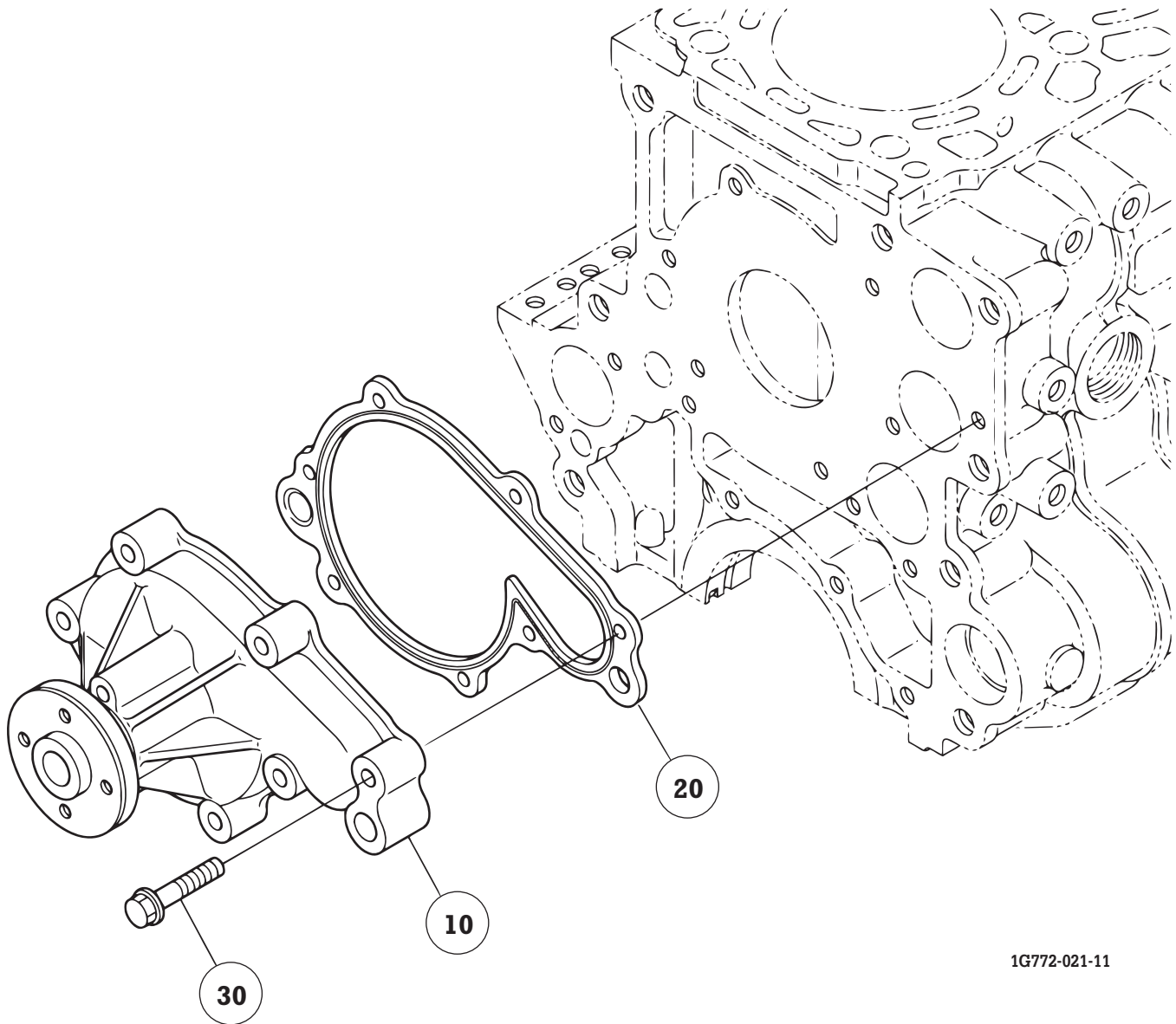
Bright Forklift

BD3-7570

WATER FLANGE AND THERMOSTAT (560000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		COVER, THERMOSTAT
20	1	097-01214	GASKET
30	3		BOLT, FLANGE
40	1		COMPLETE FLANGE, WATER
50	1		FLANGE, WATER
60	2		PLUG
70	1	097-01215	THERMOSTAT, ASSEMBLY
80	1		GASKET, WATER FLANGE
90	3		BOLT, FLANGE

WATER PUMP (561000)



1G772-021-11



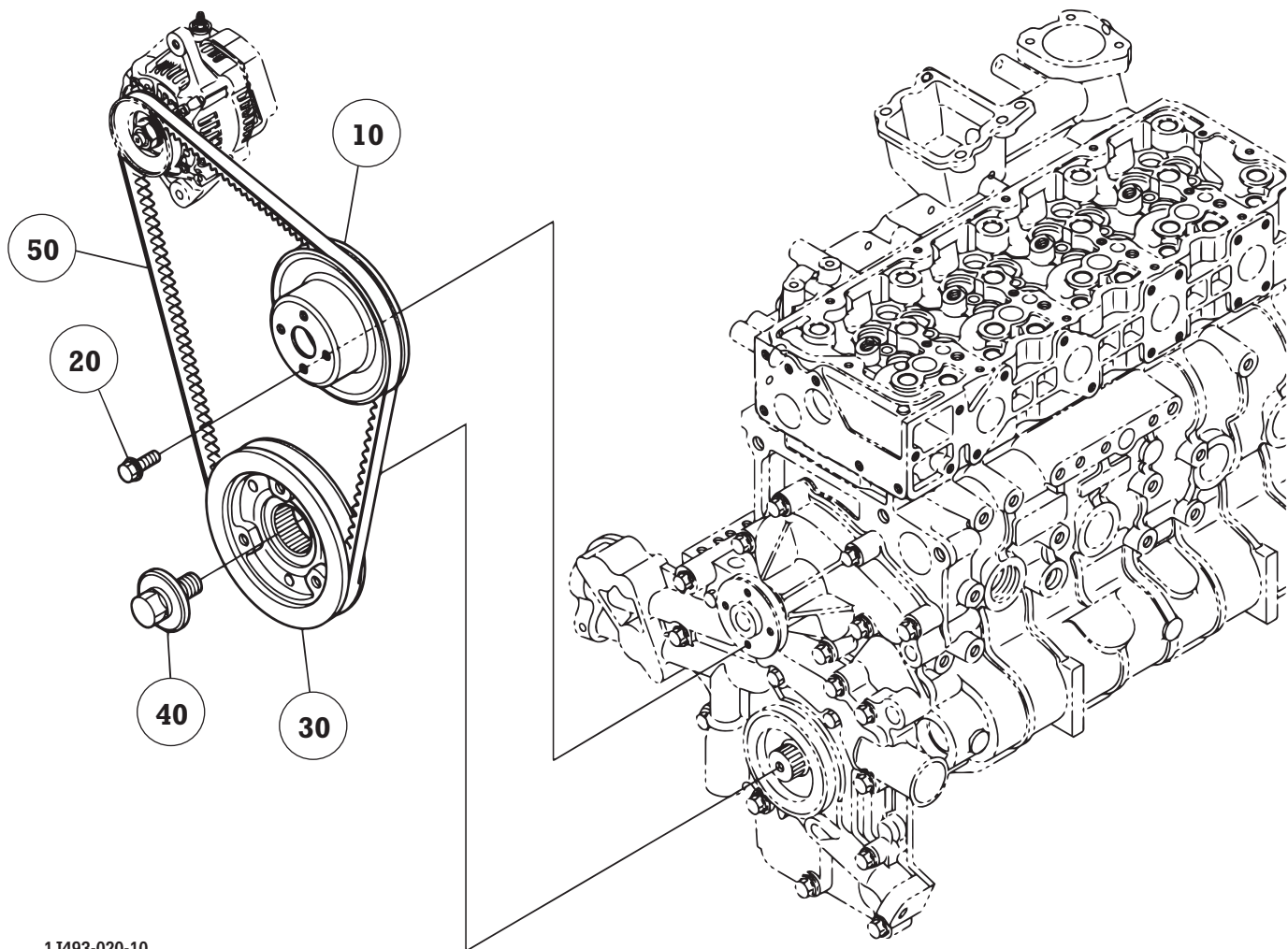
Bright Forklift

BD3-7570

WATER PUMP (561000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01216	ASSEMBLY PUMP, WATER
20	1	097-01217	GASKET, WATER PUMP
30	7		BOLT, FLANGE

FAN AND PULLEY (567000)





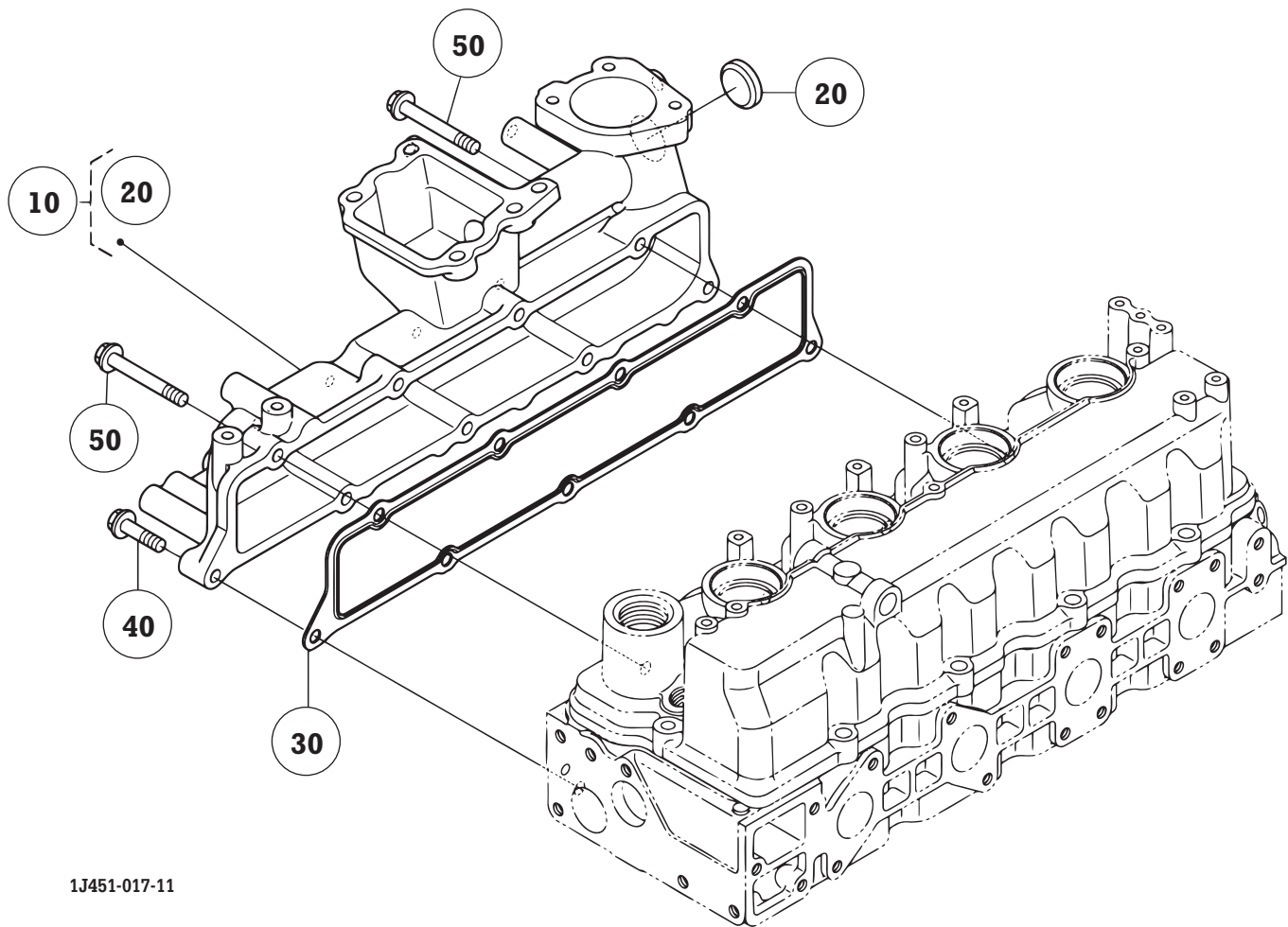
Bright Forklift

BD3-7570

FAN AND PULLEY (567000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		PULLEY, FAN
20	4		BOLT, FLANGE
30	1		PULLEY, FAN DRIVE
40	1		BOLT
50	1	097-01218	V-BELT

INLET MANIFOLD (571000)



1J451-017-11



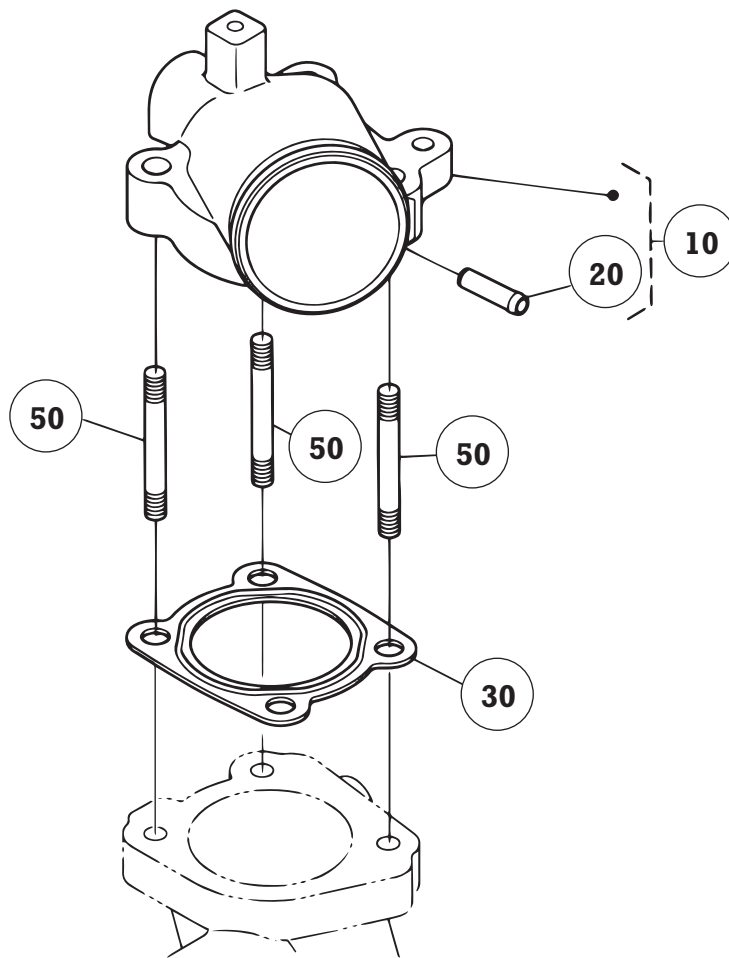
Bright Forklift

BD3-7570

INLET MANIFOLD (571000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		MANIFOLD, ASSEMBLY (INLET)
20	1	097-01219	CAP, SEALING
30	1	097-01220	GASKET, IN-MANIFOLD
40	7		BOLT, FLANGE
50	2		BOLT, FLANGE

AIR CLEANER FLANGE AND THROTTLE VALVE (571100)



1J493-005-10



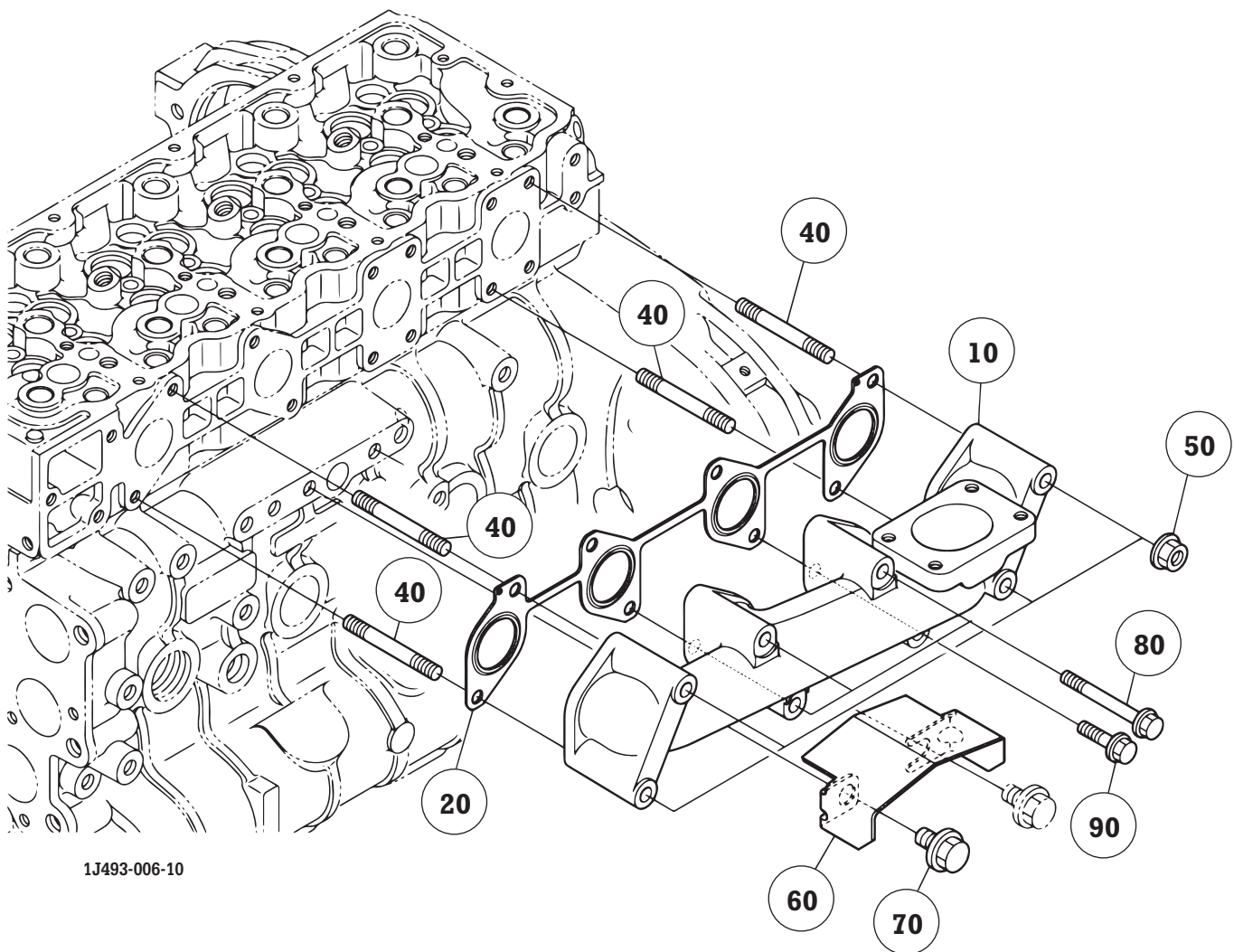
Bright Forklift

BD3-7570

AIR CLEANER FLANGE AND THROTTLE VALVE (571100)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		FLANGE, COMPLETE (INLET)
20	1		PIPE, BOOST
30	1	097-01221	GASKET (INLET FLANGE)
50	3		BOLT, FLANGE

EXHAUST MANIFOLD (572000)



1J493-006-10

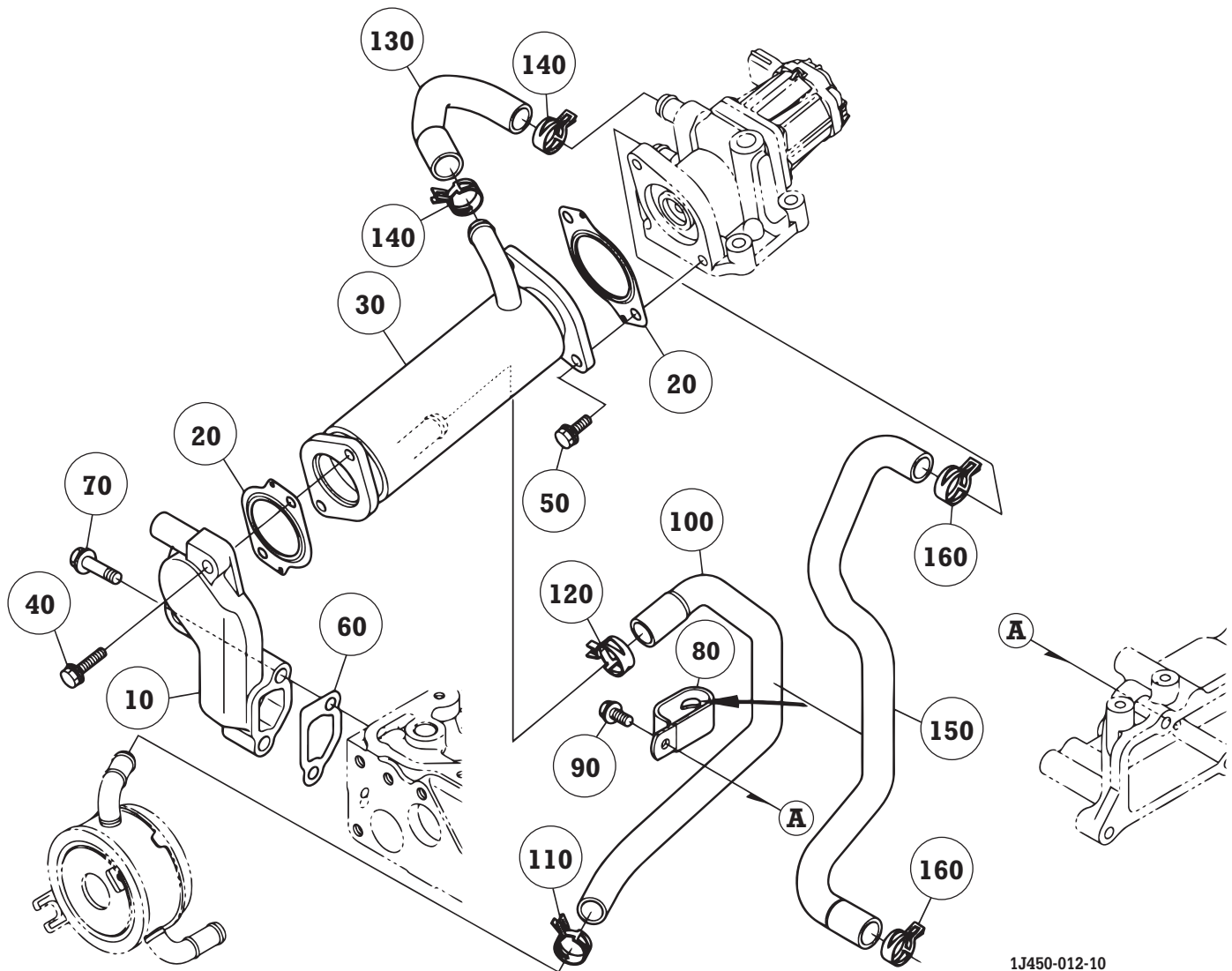


Bright Forklift

BD3-7570

EXHAUST MANIFOLD (572000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01222	MANIFOLD (EXHAUST)
20	1	097-01223	GASKET (EX-MANIFOLD)
40	4	097-01224	BOLT, STUD
50	4	097-01156	NUT, FLANGE
60	1	097-01225	SHIELD (EXHAUST MANIFOLD)
70	1	097-01226	BOLT, FLANGE
80	3	097-01227	BOLT, FLANGE
90	1	097-01228	BOLT, FLANGE





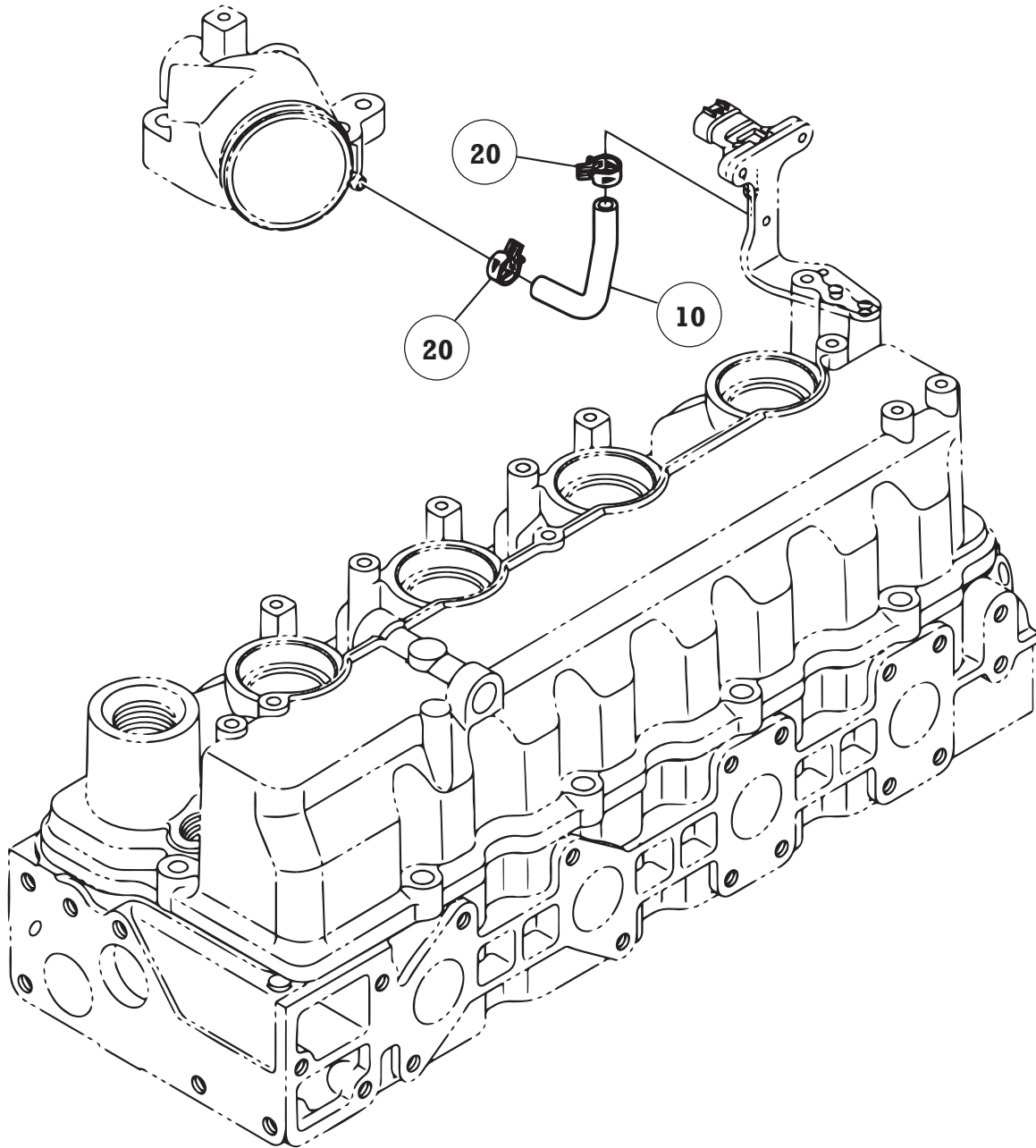
Bright Forklift

BD3-7570

EGR COOLER (572400)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		BASE (EGR COOLER)
20	2	097-01229	GASKET (EGR COOLER)
30	1	097-01230	COOLER, ASSEMBLY
40	2		BOLT, FLANGE
50	2		BOLT, FLANGE
60	1	097-01231	GASKET
70	2		BOLT, FLANGE
80	1		CLAMP, HOSE
90	1		BOLT, FLANGE
100	1	097-01232	PIPE (WATER)
110	1		BAND, HOSE
120	1		CLAMP, HOSE
130	1	097-01233	PIPE (WP2, EGR)
140	2		CLAMP, HOSE
150	1	097-01234	PIPE (WATER)
160	2		CLAMP, HOSE

BOOST AIR PIPE (572500)



1J450-013-10

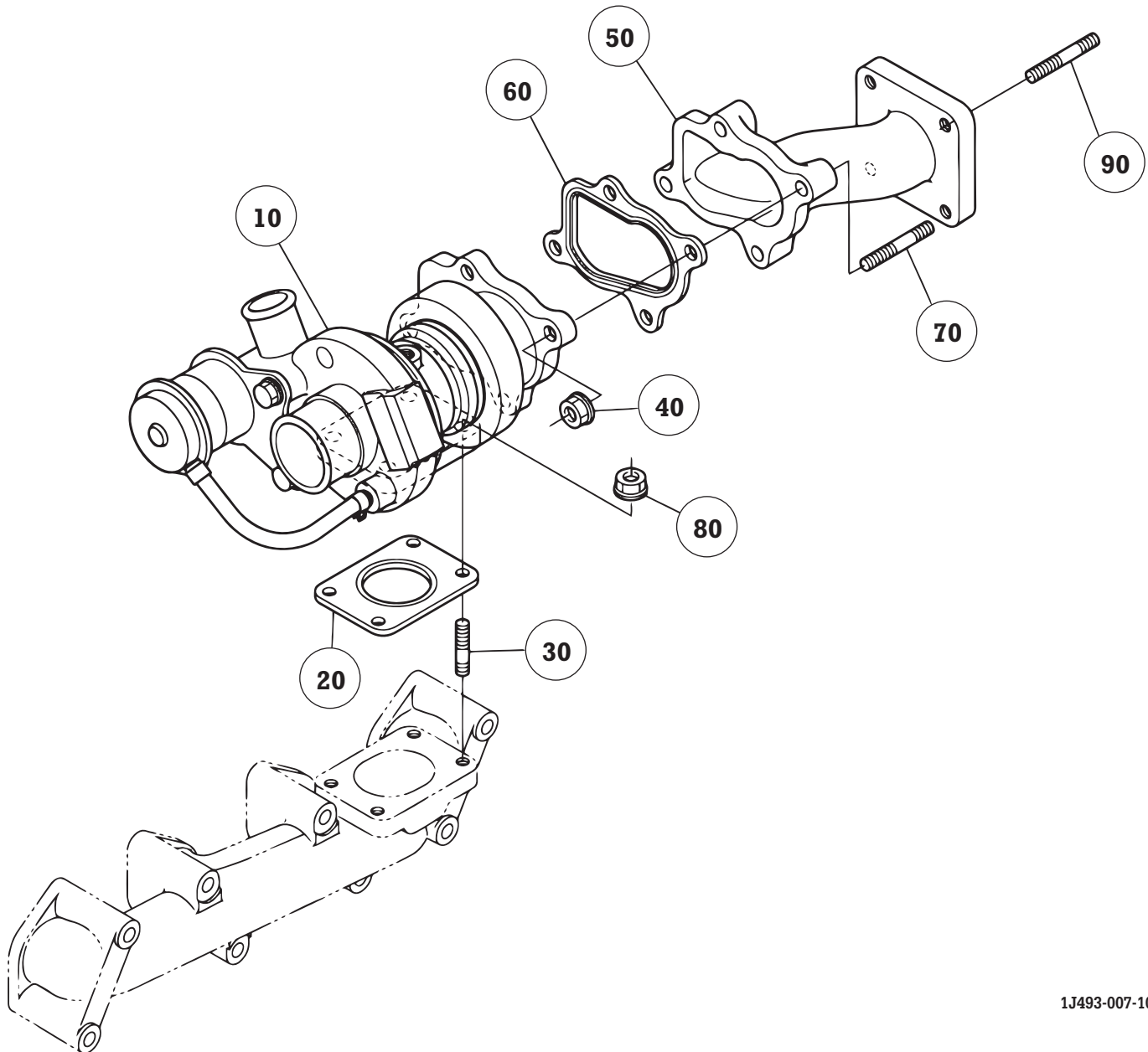


Bright Forklift

BD3-7570

BOOST AIR PIPE (572500)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01235	TUBE (BOOST)
20	2		CLAMP, HOSE



1J493-007-10

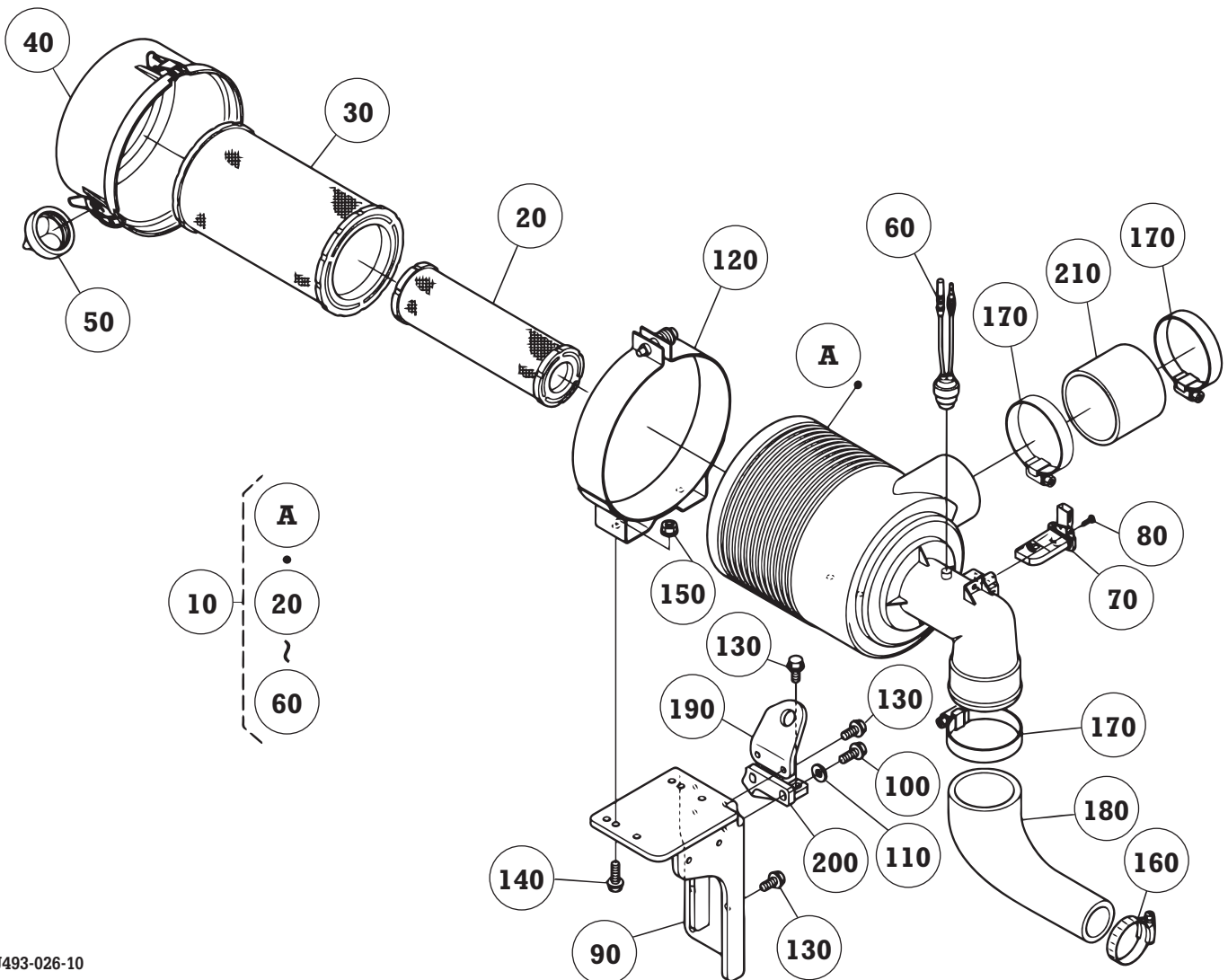


Bright Forklift

BD3-7570

TURBO CHARGER (572600)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01236	TURBOCHARGER, ASSEMBLY
20	1	097-01237	GASKET, TURBO CHARGER
30	4	097-01238	BOLT, STUD
40	4	097-01156	NUT, FLANGE
50	1		FLANGE (MUFFLER)
60	1	097-01239	GASKET, MUFFLER FLAN.
70	4	097-01240	STUD (M8 X 35)
80	4	097-01156	NUT, FLANGE
90	4	097-01238	BOLT, STUD



1J493-026-10

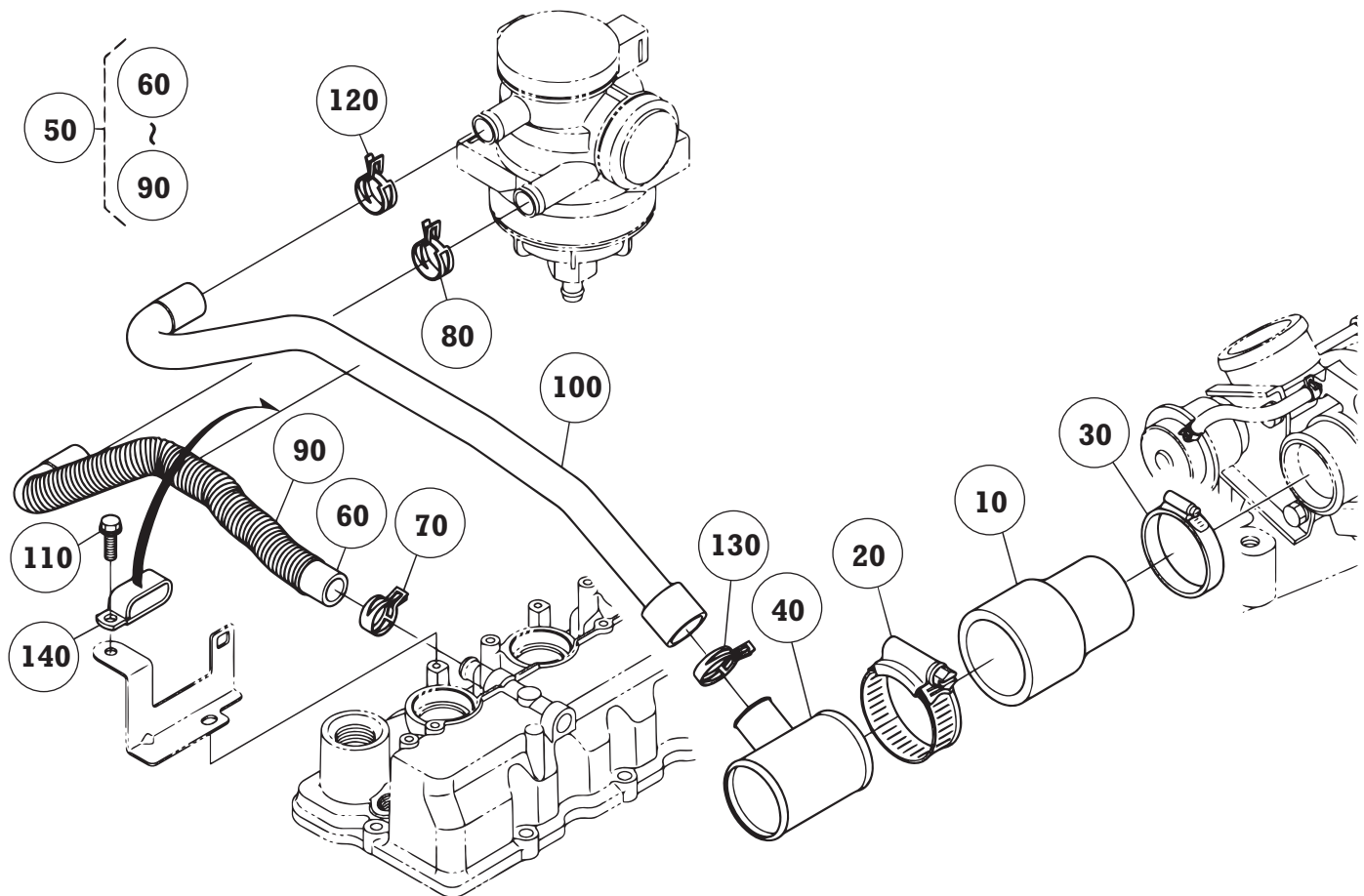


Bright Forklift

BD3-7570

AIR CLEANER (573001)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-20963	CLEANER, AIR, ASSEMBLY
20	1	097-20966	ELEMENT, INNER
30	1	097-20965	ASSEMBLY ELEMENT, A/C
40	1	097-20968	COVER, ASSEMBLY
50	1	097-20967	VALVE
60	1	097-01163	ASSEMBLY INDICATOR
70	1	097-01164	SENSOR (AIR FLOW)
80	2		SCREW, PAN HEAD (PHILLIPS)
90	1		STAY (AIR CLEANER), <=8JFZ999
90	1		STAY (AIR CLEANER), >=8JG0001
100	2		BOLT, FLANGE
110	2		WASHER, PLAIN
120	1	097-20964	BAND, ASSEMBLY (AIR CLEANER)
130	6		BOLT, FLANGE
140	2		BOLT, FLANGE
150	2		NUT, FLANGE
160	1		CLAMP, HOSE
170	3		CLAMP, HOSE
180	1	097-01241	HOSE (INLET)
190	1		HOOK (ENGINE)
200	1		STAY (AIR CLEANER, 2)
210	1		HOSE (INLET)



1J493-021-10



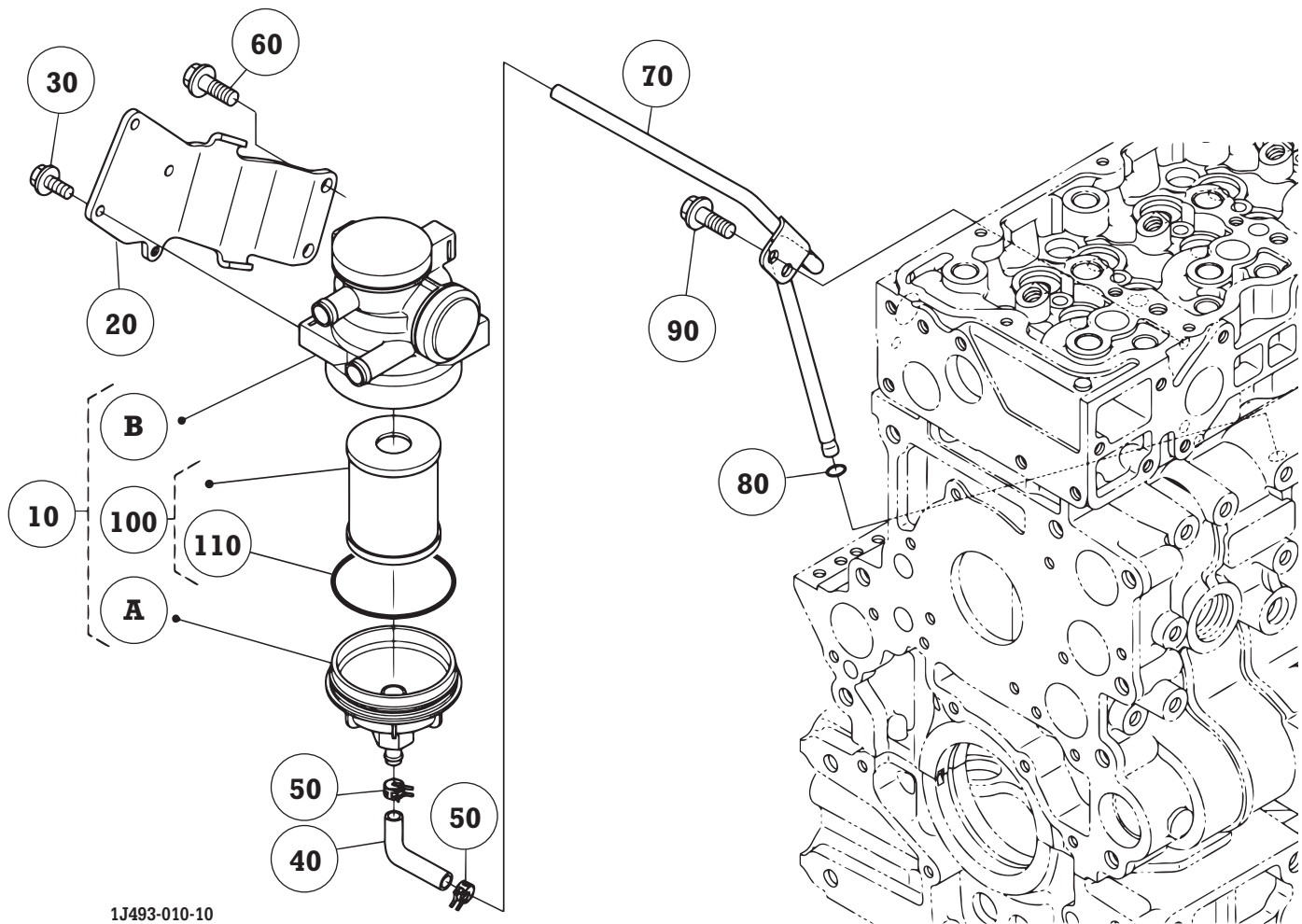
Bright Forklift

BD3-7570

BREATHER PIPE / SEPARATOR PIPE (576000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01242	TUBE (BREATHER TURBO)
20	1		CLAMP, HOSE
30	1		BAND
40	1		PIPE (BREATHER)
50	1	097-01243	TUBE, ASSEMBLY (BREATHER)
60	1	097-01244	TUBE (1, SEPARATOR)
70	1		CLAMP, HOSE
80	1		CLAMP, HOSE
90	1		TUBE (CORRUGATE)
100	1	097-01245	TUBE (2, BREATHER)
110	1		BOLT, FLANGE
120	1		CLAMP, HOSE
130	1		CLAMP, HOSE
140	1		CLAMP, HOSE

OIL SEPARATOR (576500)



1J493-010-10



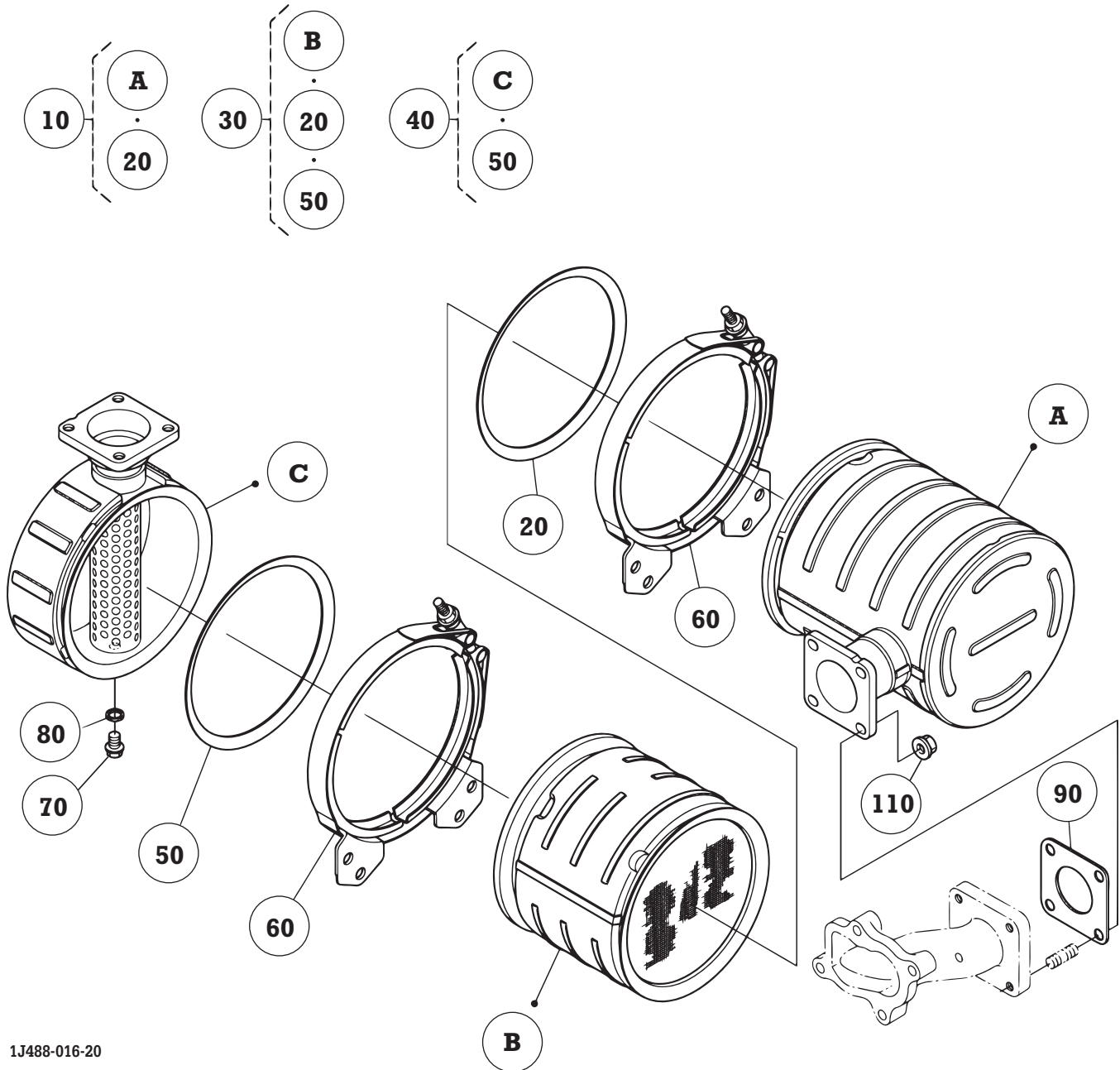
Bright Forklift

BD3-7570

OIL SEPARATOR (576500)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01246	SEPARATOR, ASSEMBLY
20	1		BRACKET (SEPARATOR)
30	3		BOLT, FLANGE
40	1	097-01247	TUBE (OIL RETURN)
50	2		CLAMP, HOSE
60	2		BOLT, FLANGE
70	1		PIPE (OIL RETURN, 1)
80	1		O-RING
90	2		BOLT, FLANGE
100	1	097-01166	ELEMENT, KIT
110	1		O-RING

DIESEL OXIDATION CATALYST MUFFLER (577000)



1J488-016-20



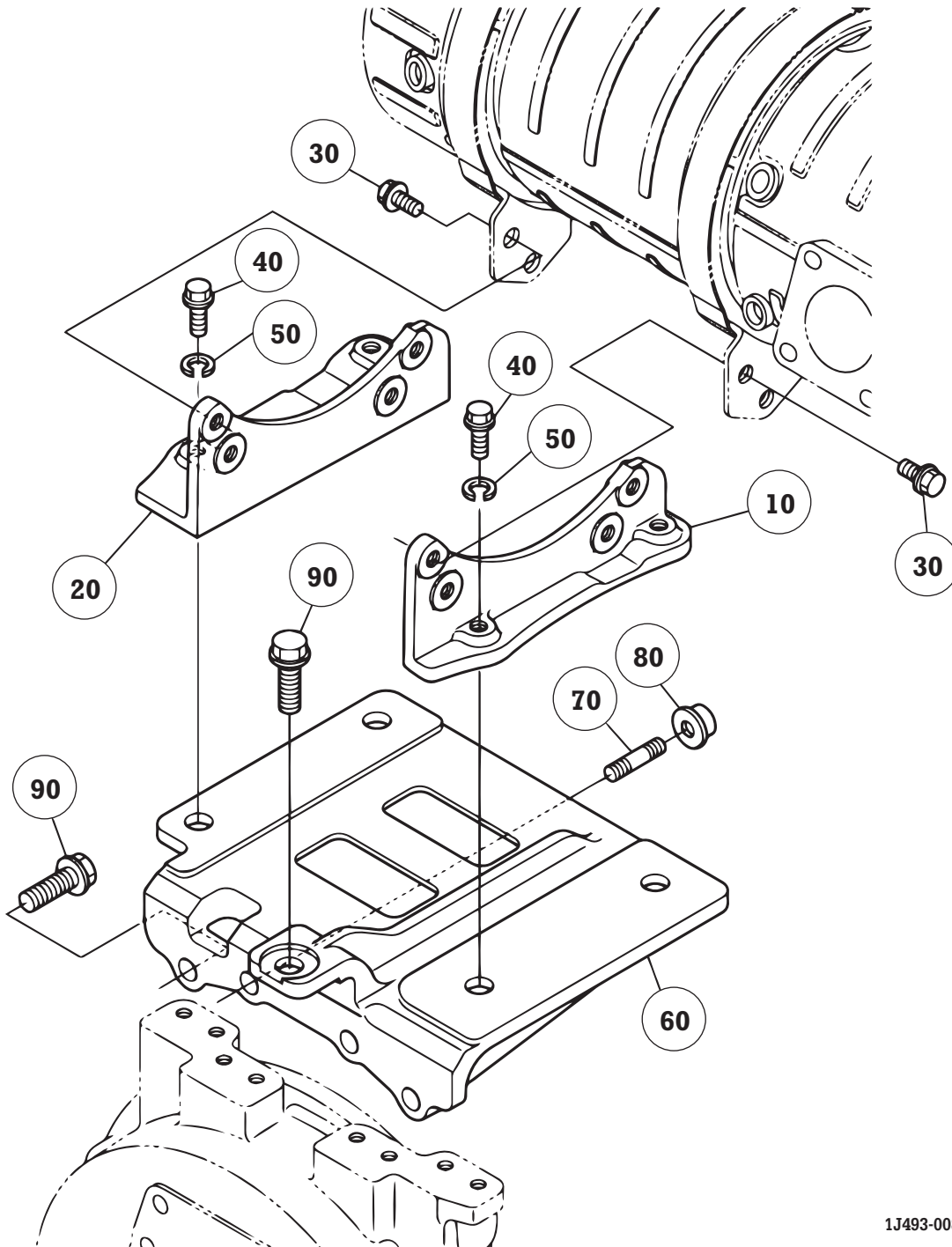
Bright Forklift

BD3-7570

DIESEL OXIDATION CATALYST MUFFLER (577000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		CATALYST, KIT (DOC, 1)
20	2		GASKET (DPF)
30	1		CATALYST, KIT (DOC, 2)
40	1		BODY, KIT
50	1		GASKET (DPF)
60	2		BRACKET (V BAND, DPF)
70	1		BOLT, FLANGE
80	1		PACKING
90	1		GASKET, MUFFLER
110	4		NUT, FLANGE

DIESEL OXIDATION CATALYST MUFFLER [COMPONENT PARTS] (577100)



1J493-008-10

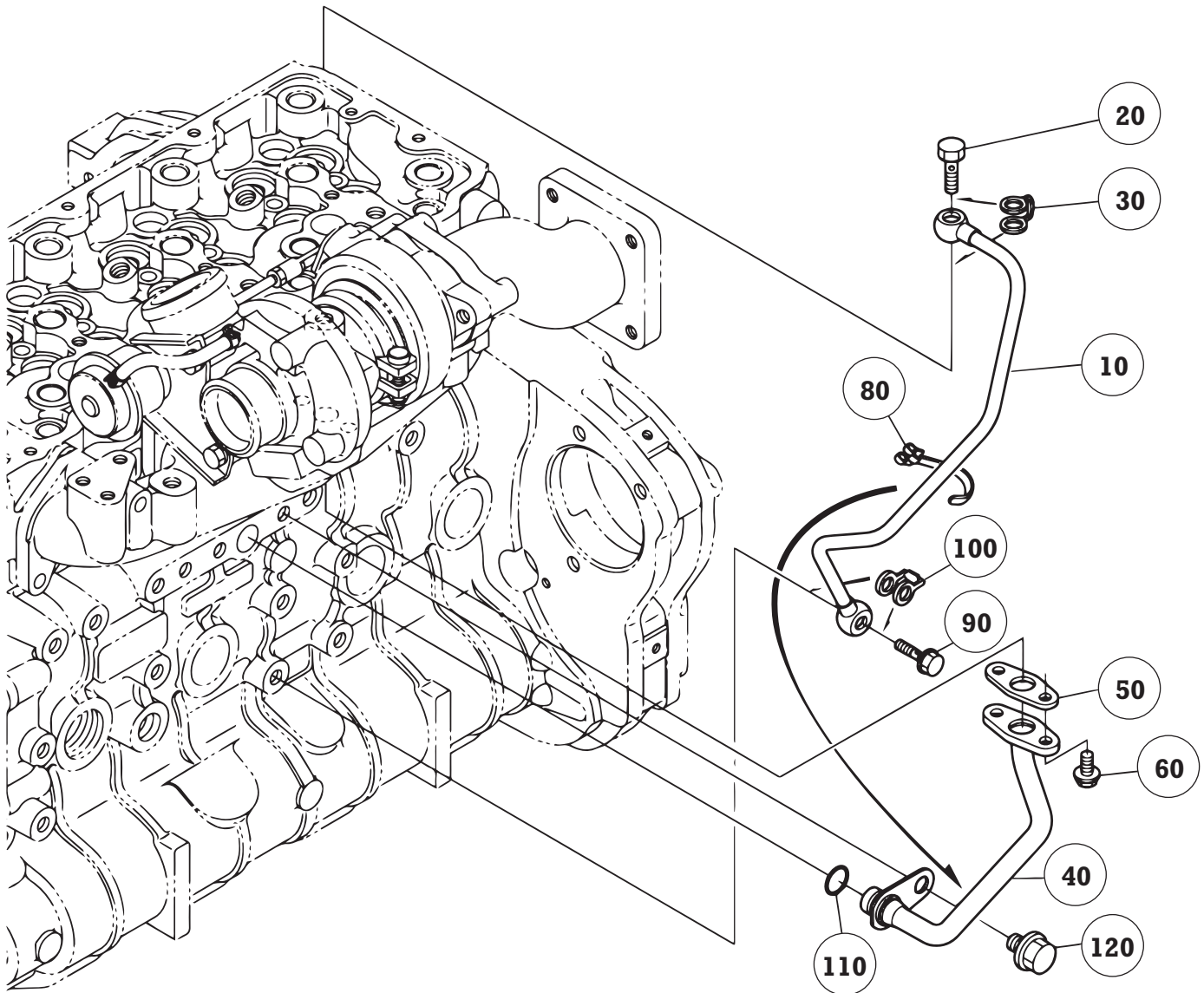


Bright Forklift

BD3-7570

DIESEL OXIDATION CATALYST MUFFLER [COMPONENT PARTS] (577100)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		BRACKET (DOC, 1)
20	1		BRACKET (DOC, 2)
30	8		BOLT, FLANGE
40	4		BOLT, FLANGE
50	4		WASHER (DPF)
60	1		BASE (DPF)
70	2		BOLT, STUD
80	2		NUT, FLANGE
90	3	097-01267	BOLT, FLANGE



1J493-011-10

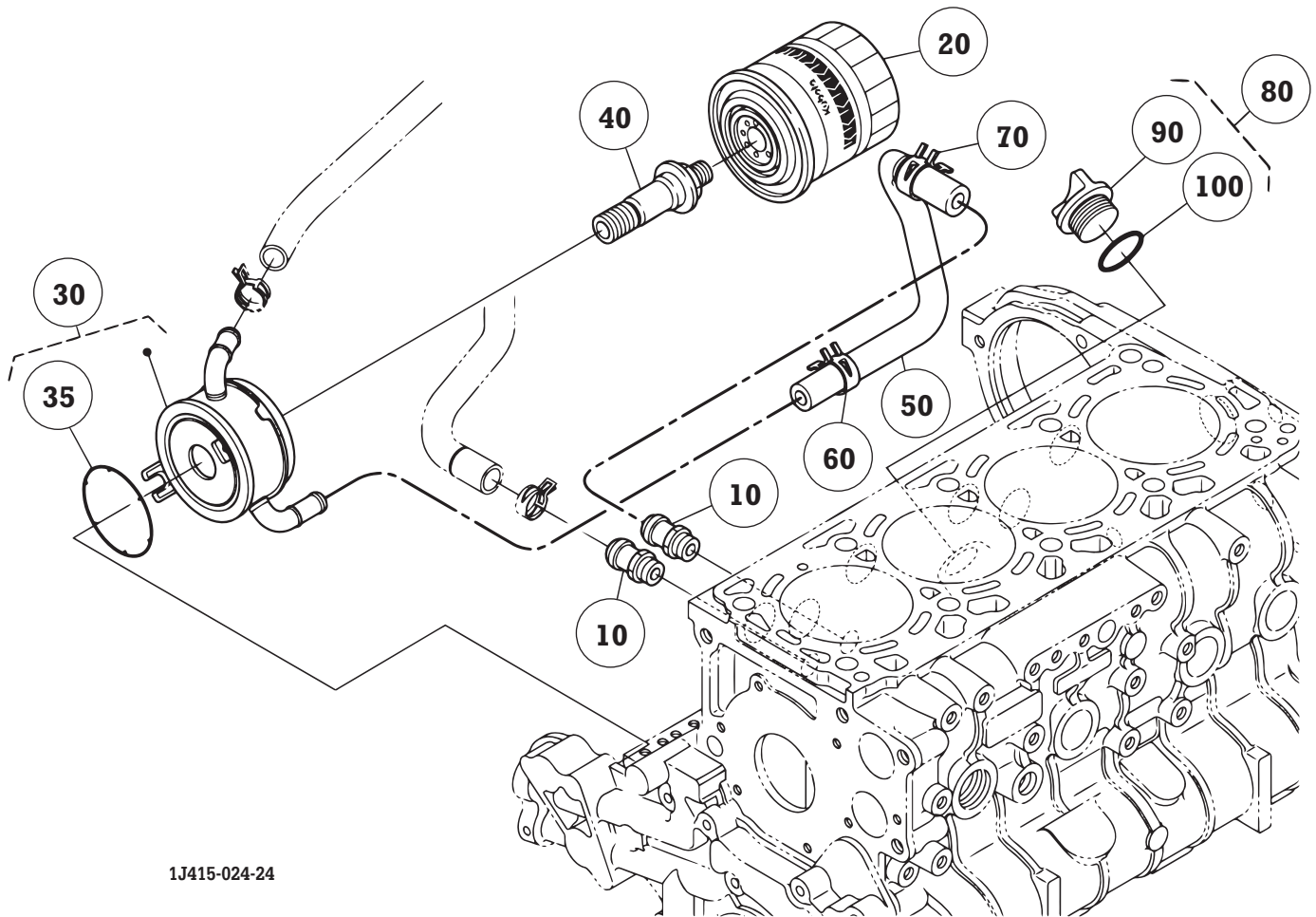


Bright Forklift

BD3-7570

OIL PIPE [TURBO CHARGER] (580000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		PIPE, COMPLETE (1, OIL)
20	1		BOLT, EYE JOINT
30	1	097-01032	GASKET
40	1		PIPE, COMPLETE (OIL)
50	1		GASKET, OIL PIPE TC
60	2		BOLT, FLANGE
80	1		CLAMP (PIPE)
90	1		BOLT, EYE JOINT
100	1	097-01248	GASKET
110	1	097-01249	O-RING
120	1		BOLT, FLANGE



1J415-024-24

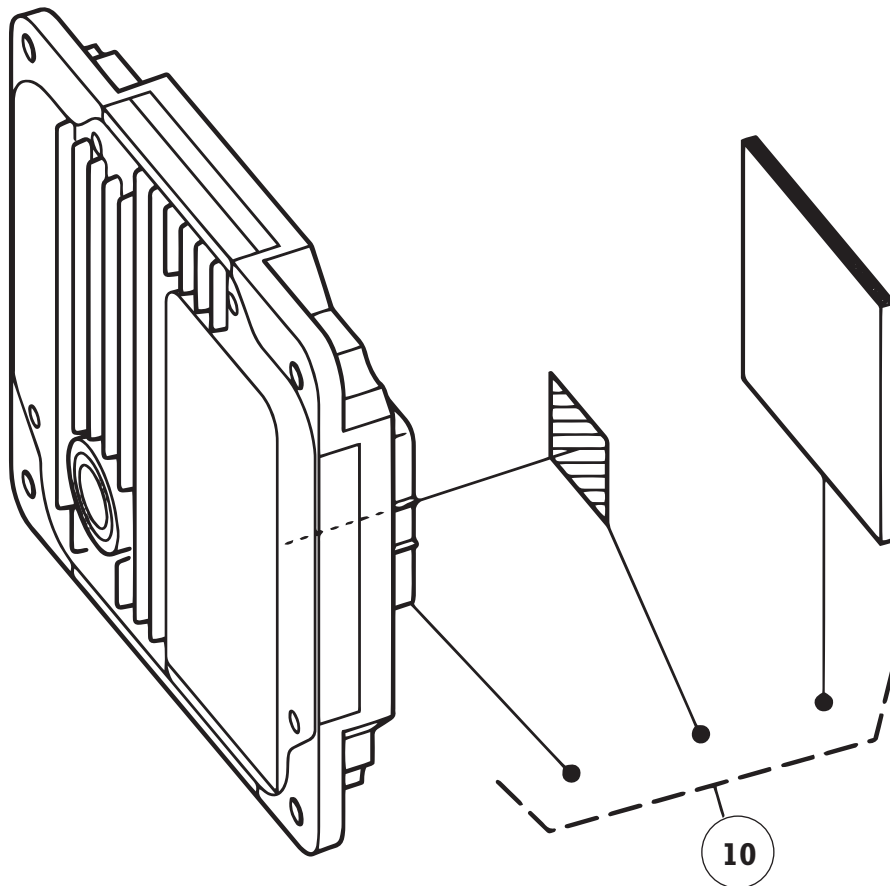


Bright Forklift

BD3-7570

OIL COOLER (582000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	2		JOINT, WATER PIPE
20	1	097-24901	FILTER (CARTRIDGE, OIL)
30	1	097-01250	ASSEMBLY COOLER, OIL
35	1	097-01114	O-RING, 73.5 X 3.1
40	1		JOINT
50	1	097-01251	PIPE, OIL COOLER
60	1		BAND, HOSE
70	1		CLAMP, HOSE
80	1		ASSEMBLY PLUG, OIL FILLER
90	1		PLUG (OIL FILLER)
100	1		O-RING



1J371-044-10



Bright Forklift

BD3-7570

ECU (587200)

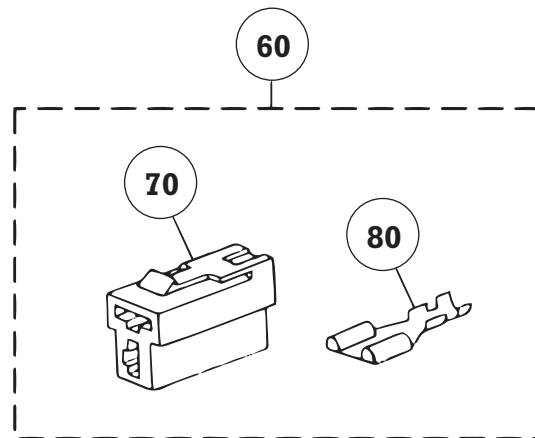
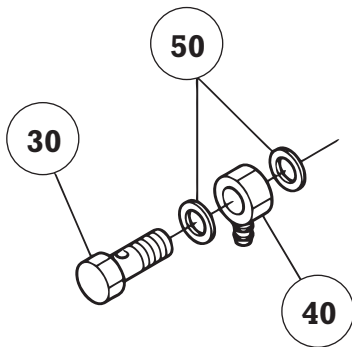
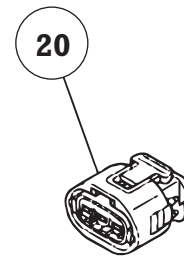
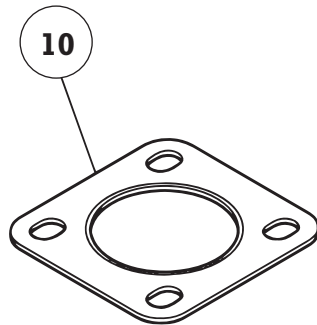
ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01252	ECU (07-OEM)



Bright Forklift

BD3-7570

ACCESSORIES AND SERVICE PARTS (588000)



1J493-023-10

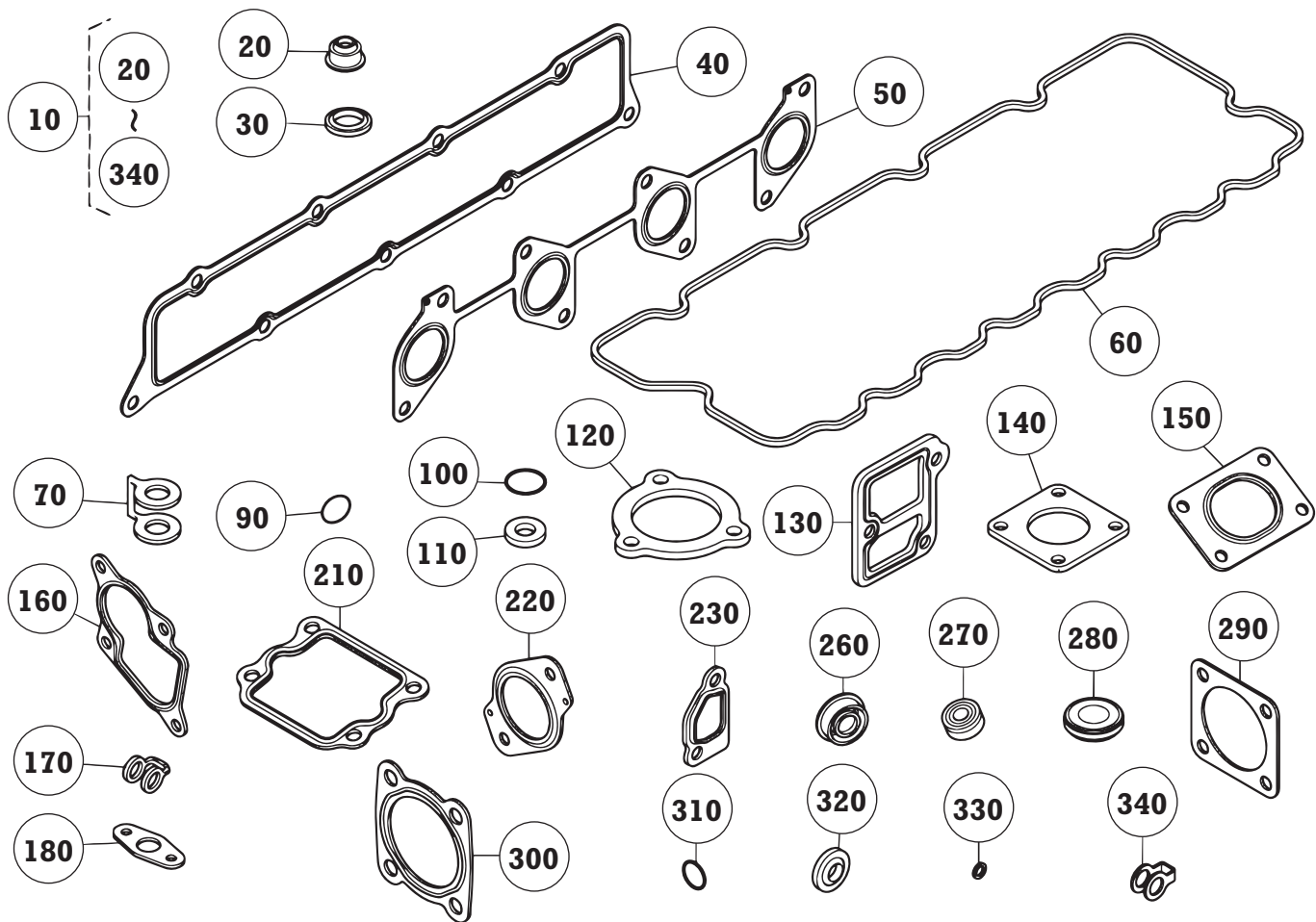


Bright Forklift

BD3-7570

ACCESSORIES AND SERVICE PARTS (588000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-00489	GASKET, MUFFLER
20	1		ASSEMBLY CONNECTOR, 2
30	2	097-20928-01	BOLT, JOINT
40	2	097-00266	JOINT, EYE
50	4	097-20933	GASKET
60	1		ASSEMBLY COUPLER
70	1		CONNECTOR
80	2		TERMINAL



1J451-032-11

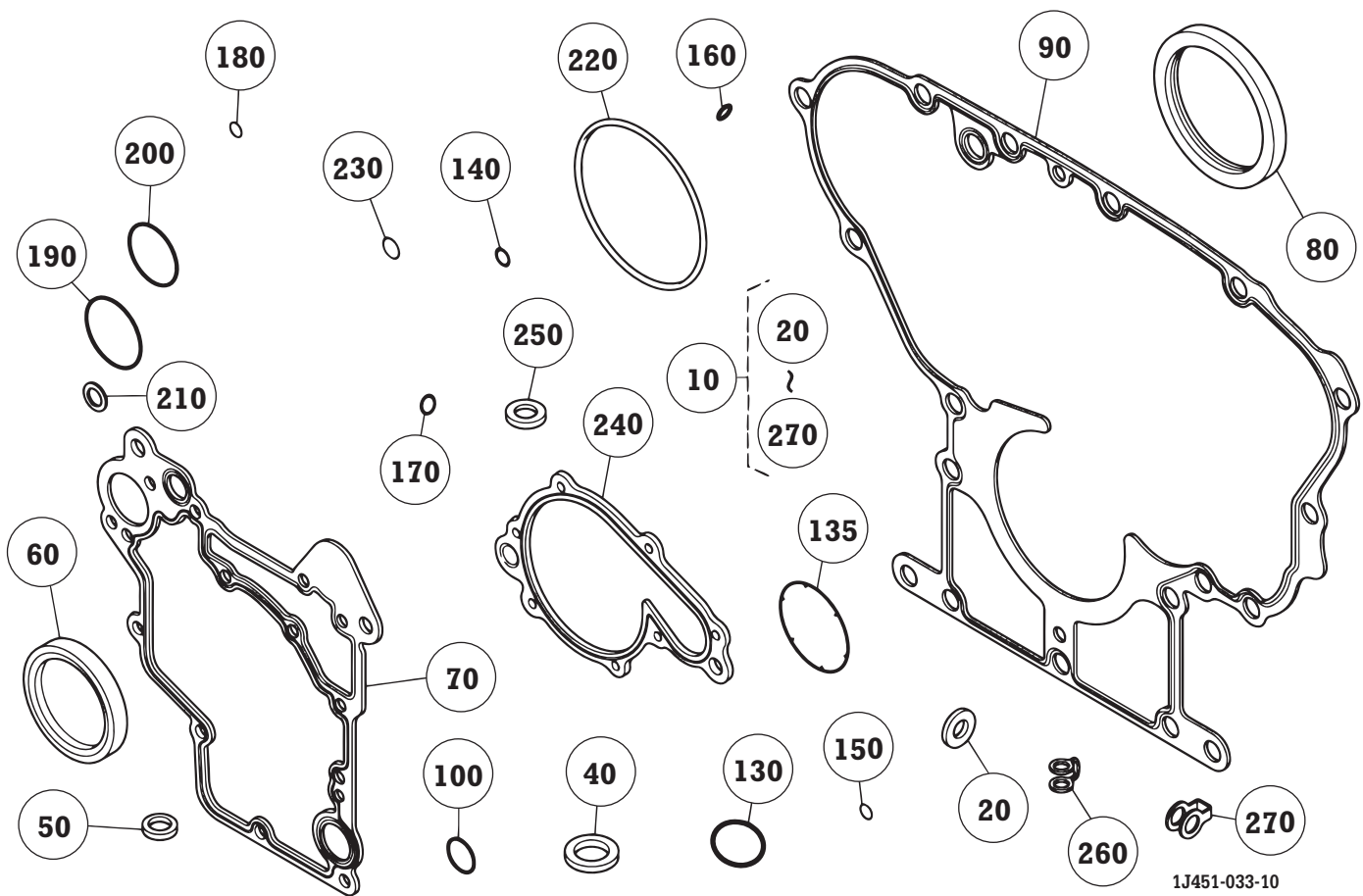


Bright Forklift

BD3-7570

UPPER GASKET KIT [OPTION] (591000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01253	GASKET, KIT (UPPER)
20	16	097-01255	SEAL, VALVE STEM
30	1	097-01211	WASHER, SEAL
40	1	097-01220	GASKET, INTAKE MANIFOLD
50	1	097-01223	GASKET, EXHAUST MANIFOLD
60	1	097-01185	GASKET, HEAD COVER
70	5	097-01194	GASKET
90	4	097-01196	O-RING
100	4	097-01197	O-RING
110	4	097-01135	PACKING
120	1	097-01214	GASKET
130	1		GASKET, WATER FLANGE
140	1	097-00489	GASKET, MUFFLER
150	1		GASKET
160	1	097-01239	GASKET
170	1	097-01248	GASKET
180	1	097-01013	GASKET, OIL PIPE TC
210	1		GASKET (EGR VALVE)
220	2	097-01229	GASKET (EGR COOLER)
230	1	097-01231	GASKET
260	4	097-01182	SEAL, INJECTION PIPE
270	4	097-01200	SEAL, GLOW PLUG
280	4	097-01183	SEAL (INJECTOR)
290	1		GASKET (MUFFLER)
300	2	097-01221	GASKET (INLET FLANGE)
310	1	097-00130	O-RING
320	1	097-00073	PACKING
330	1	097-01208	PACKING
340	1	097-01194	GASKET (FUEL)



1J451-033-10



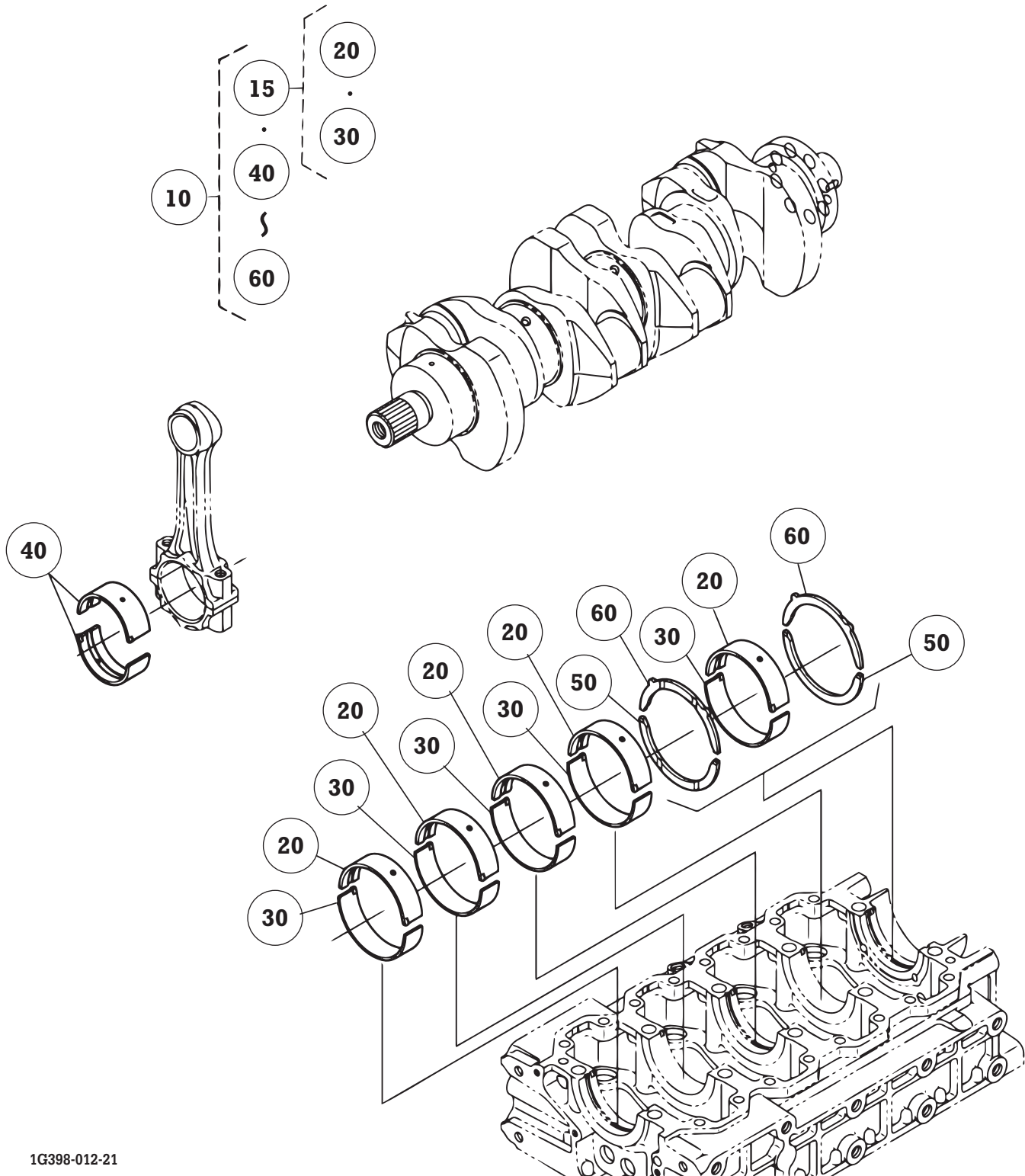
Bright Forklift

BD3-7570

LOWER GASKET KIT [OPTION] (592000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1	097-01254	GASKET, KIT (LOWER)
20	1	097-01208	PACKING
40	2		PACKING
50	1	430-00215	PACKING
60	1	097-01273	SEAL, OIL
70	1	097-01272	GASKET (FRONT COVER)
80	1	097-01274	SEAL, OIL
90	1	097-01271	GASKET, HOUSING
100	1		O-RING
130	2	097-00130	O-RING
135	1	097-07114	O-RING, 73.5 X 3.1
140	1		O-RING
150	2		O-RING
160	1	097-01210	O-RING
170	1	097-01205	O-RING
180	1		O-RING
190	1		O-RING
200	1	097-01190	GASKET (PUMP)
210	2	097-01188	GASKET
220	1		GASKET, INJECTION PU.
230	1		O-RING
240	1	097-01217	GASKET, WATER PUMP
250	1		GASKET
260	1	097-01248	GASKET
270	1		GASKET (FUEL)

METAL KIT [OPTION] (593000)



1G398-012-21

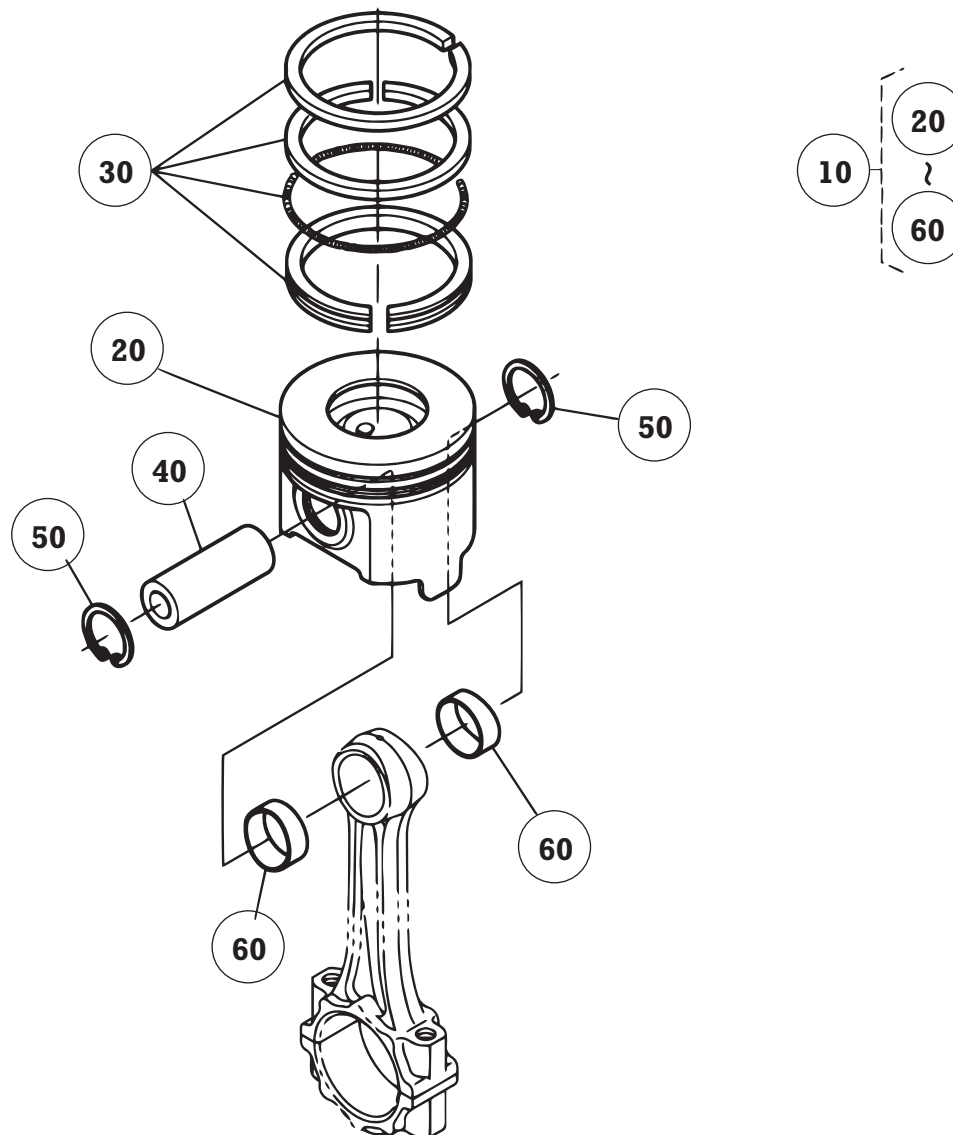


Bright Forklift

BD3-7570

METAL KIT [OPTION] (593000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	1		KIT METAL, ENGINE, STD
	1		KIT METAL, ENGINE, -0.20MM
	1		KIT METAL, ENGINE, -0.40MM
15	5		KIT METAL, CRANKSHAFT, -0.2MM/SET
	5		KIT METAL, CRANKSHAFT, -0.4MM/SET
	5		KIT METAL, CRANKSHAFT, STD/SET
20	5		BLANK, -0.2MM
	5		BLANK, -0.4MM
	5		BLANK, STD
30	5		BLANK, STD
	5		BLANK, -0.2MM
	5		BLANK, -0.4MM
40	4		METAL, CRANK PIN, -0.4MM/RED/SET
	4		METAL, CRANK PIN, STD/SET
	4		METAL, CRANK PIN, -0.2MM/GREEN/SET
50	2		METAL, SIDE, STD
	2		METAL, SIDE, +0.20MM
	2		METAL, SIDE, +0.40MM
60	2		METAL, SIDE, +0.20MM
	2		METAL, SIDE, +0.40MM
	2		METAL, SIDE, STD



1J451-034-10



Bright Forklift

BD3-7570

PISTON KIT [OPTION] (594000)

ITEM	QTY.	PART NUMBER	DESCRIPTION
10	4		PISTON, KIT (STD), STD
	4		PISTON, KIT (05), +0.50MM
20	4		PISTON (05), +0.50MM
	4		PISTON, STD
30	4		ASSEMBLY PISTON RING, STD
	4		ASSEMBLY PISTON RING, +0.5MM
40	4		PIN, PISTON
50	8		CIR-CLIP, INTERNAL
60	8		BUSH, PISTON PIN

