

Power Unit Installation

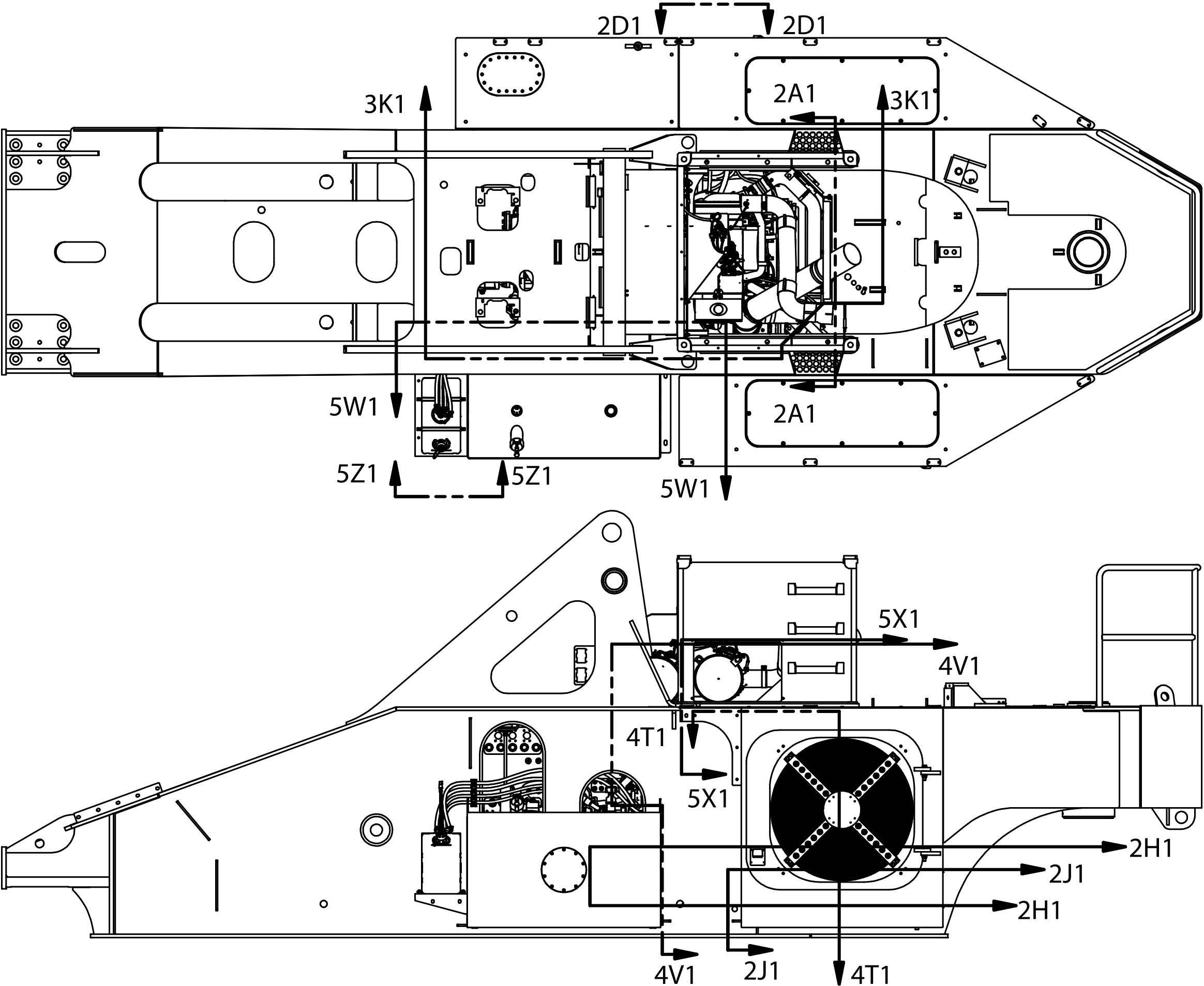
Power Unit Installation

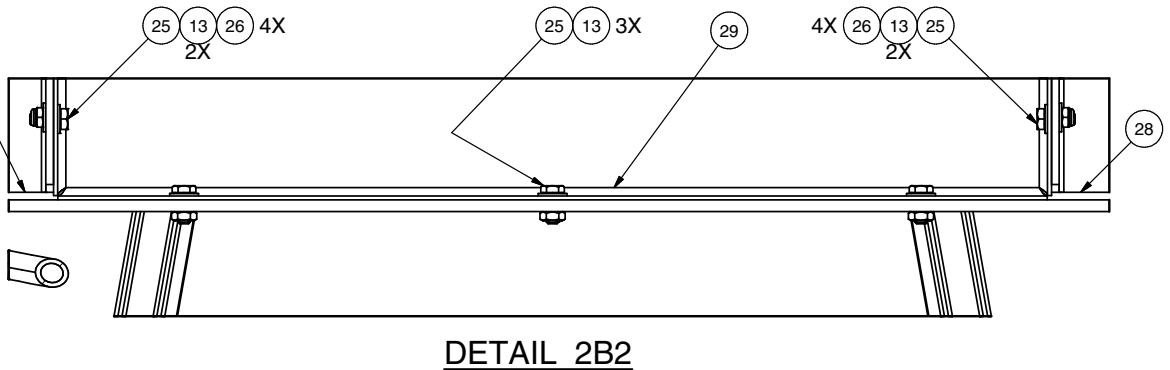
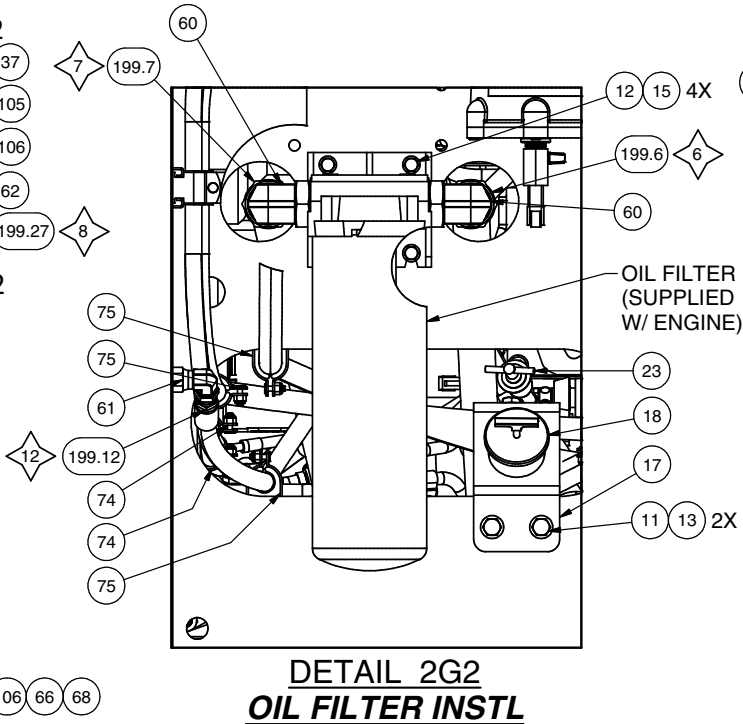
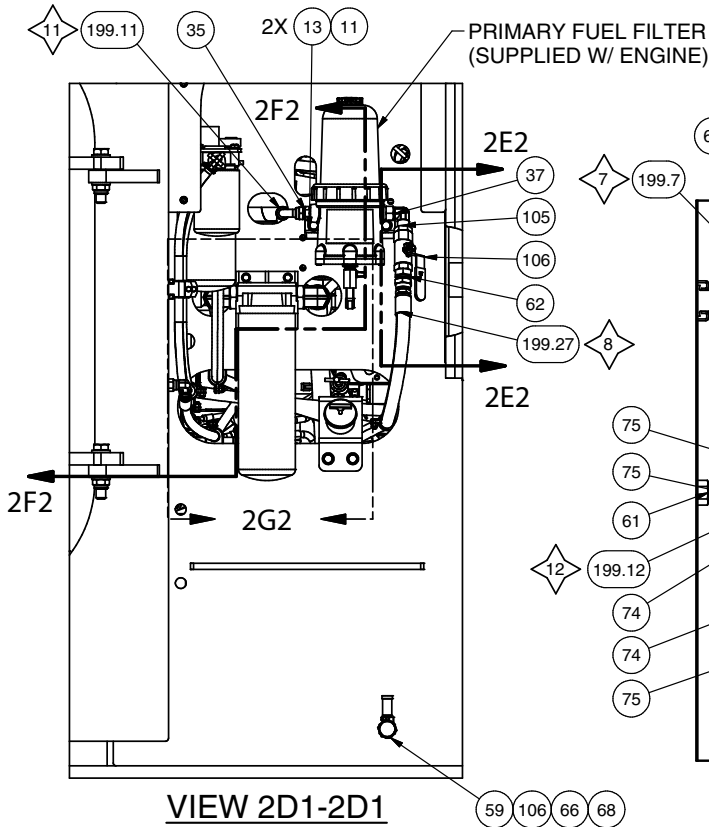
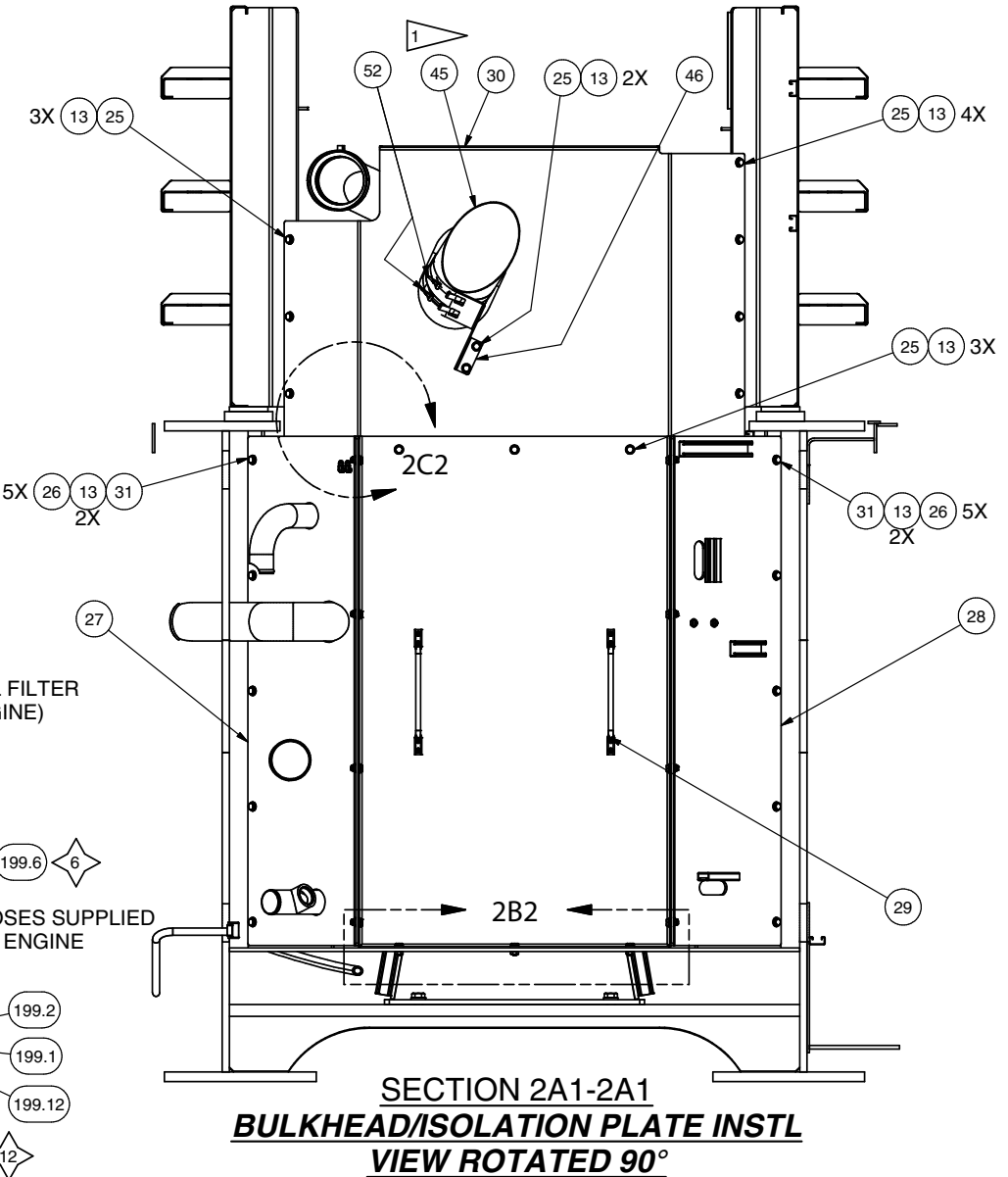
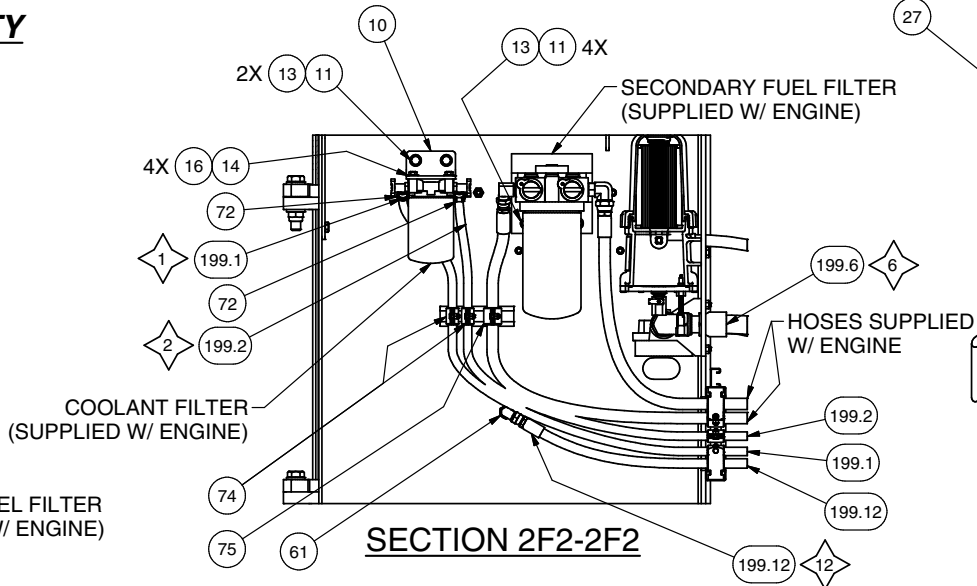
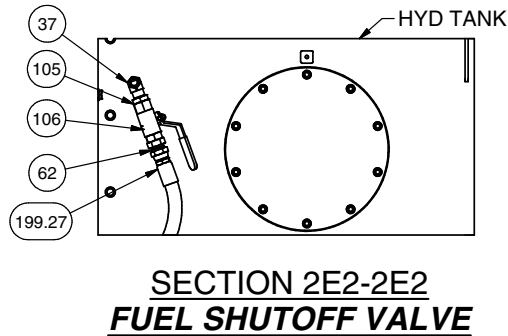
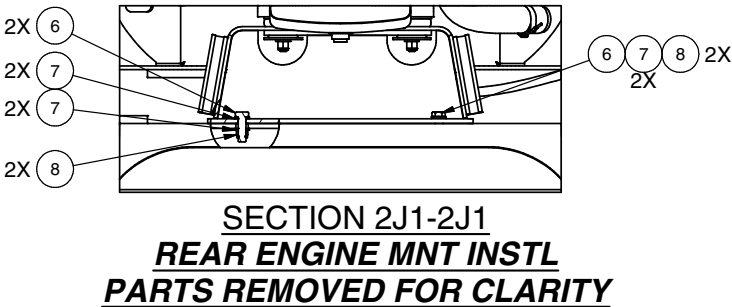
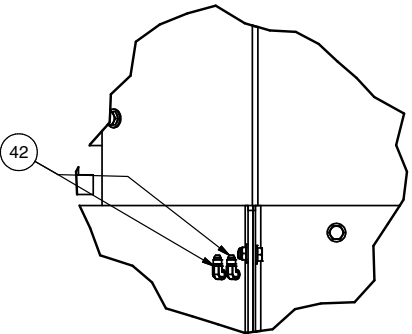
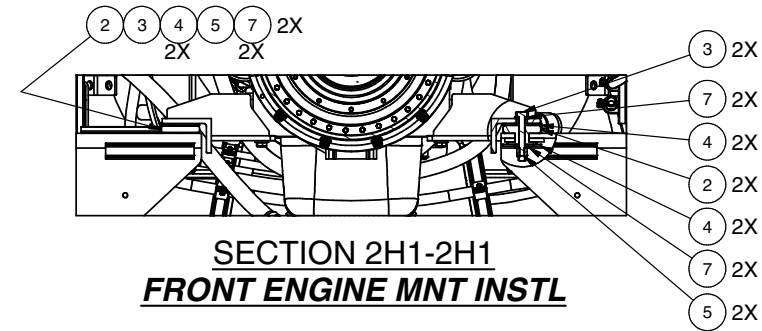
Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
602169-Met				Power Unit Installation			
1	* 602171	1	. Power Unit Assembly	67	209090	1	. Fitting
2	234497	5	. Vibration Dampener	71	206289	2	. Hose Clamp
3	Y17C-1272	4	. Capscrew	72	CLP7051171	8	. Mini Worm Drive Clamp
4	578361	10	. Washer	73	201431	10	. Hose Clamp
5	R13811196	5	. Locknut	74	238429	6	. Clamp
6	Y19C-M2065	4	. Capscrew	75	231296	7	. Clamp
7	221777W	20	. Washer	76	CLP0100112	5	. Clamp, Hydra-Zorb
8	302405W	4	. Locknut	77	231250	8	. Clamp
9	* 599385	1	. Aftertreatment Sub-Assembly	78	231537	11	. Clamp
10	598216	1	. Mount, Coolant Filter	79	599486	1	. Plate, Isolator Mount
11	293629W	20	. Capscrew	80	599489	1	. Tail Support
12	251199	4	. Capscrew	81	599488	1	. Coil Spring
13	R13811432	77	. Washer	82	599487	1	. Rod
14	Y17C-0616	4	. Capscrew	83	234271	1	. Washer
15	R13802914	18	. Washer	84	Y17C-1028	1	. Capscrew
16	221767W	12	. Washer	85	221716W	2	. Hex Nut
17	598218	1	. Fill Cap Holder	86	238381	2	. Jam Nut
18	208202	1	. Cap	87	600314	1	. Exhaust Bellows
19	209820	1	. Fitting	88	600317	2	. Fitting
20	230464	1	. Hose End	89	599394	1	. Exhaust Elbow
21	598219	1	. Dipstick Housing	90	585252	1	. Tube, Flex
22	599384	1	. Fitting	91	216814	1	. Elbow
23	598221	1	. Dipstick, QSX15	92	589479	1	. Reducer, Exhaust
24	209579	1	. Clip, Insulated	93	226586	3	. Seal Clamp
25	293628W	26	. Capscrew	94	296416W	2	. Washer
26	302401W	29	. Locknut	95	Y23C-M512	2	. Capscrew
27	599724	1	. Bulkhead	96	R13806526	3	. Capscrew
28	598107	1	. Bulkhead	97	R13811190	3	. Locknut
29	* 598103	1	. Assembly, Panel	98	599757	2	. Bracket
30	598105	1	. Panel	99	221771W	2	. Washer
31	R13811210	10	. Capscrew	100	293644W	2	. Capscrew
32	599729	1	. Tube, CAC	101	R13808094	6	. Clip, Insulated
33	599730	1	. Tube, CAC	102	R13809038	4	. Capscrew
34	243488	4	. Connector	103	302400W	4	. Locknut
35	209758	1	. Fitting	104	599756	2	. Mount, DEF Tank Strap
36	243489	8	. Clamp	105	592038	1	. Fitting
37	28971	1	. Fitting	106	591648	2	. Ball Valve
38	209511	4	. Fitting	107	597395	2	. Strip, Neoprene Bar
39	599754	1	. Plate, Support	108	602991	4	. Tab
40	598222	1	. Tube, Radiator	199	602174	1	. Kit, Hose
41	209790	1	. Fitting	199.1	592605-110	1	. . Hose, Coolant
42	23543	2	. Fitting	199.2	592605-105	1	. . Hose, Coolant
43	598214	1	. Hose,	199.3	23551-31	1	. . Hose
44	225369	6	. T-Bolt Clamp	199.4	592088	1	. . Hose, Radiator
45	YDHA 8212-44.00	1	. Tube	199.5	211791-34	1	. . Hose, Radiator
46	598257	1	. Mount, Air Intake	199.6	603680	1	. . Hose Assembly
47	228425	1	. Elbow	199.7	603681	1	. . Hose Assembly
48	588143	1	. Elbow	199.9	598246	1	. . Hose Assembly, Fuel
49	593765	1	. Tube	199.10	598250	1	. . Hose Assembly, Fuel
50	224226	1	. Elbow	199.11	599761	1	. . Hose Assembly, Fuel
51	YDHA 8212-7.00	1	. Tube	199.12	599758	1	. . Hose Assembly, Fuel
52	216609	2	. T-Bolt Clamp	199.13	209670	1	. . Hose Assembly
53	207245	2	. T-Bolt Clamp	199.15	589398	1	. . Hose Assembly
54	224199	3	. T-Bolt Clamp	199.16	592605-90	1	. . Hose, Coolant
55	202259	1	. T-Bolt Clamp	199.17	592605-96	1	. . Hose, Coolant
56	216494	1	. T-Bolt Clamp	199.18	259356-36	1	. . Hose, Heater
59	592029	1	. Fitting	199.19	259356-56	2	. . Hose, Heater
60	598178	2	. Fitting	199.20	259356-6	1	. . Hose, Heater
61	210769	1	. Fitting	199.21	259356-60	1	. . Hose, Heater
62	2510143	2	. Fitting	199.27	599760	1	. . Hose Assembly, Fuel
63	2514292	1	. Fitting				
66	209215	1	. Fitting				

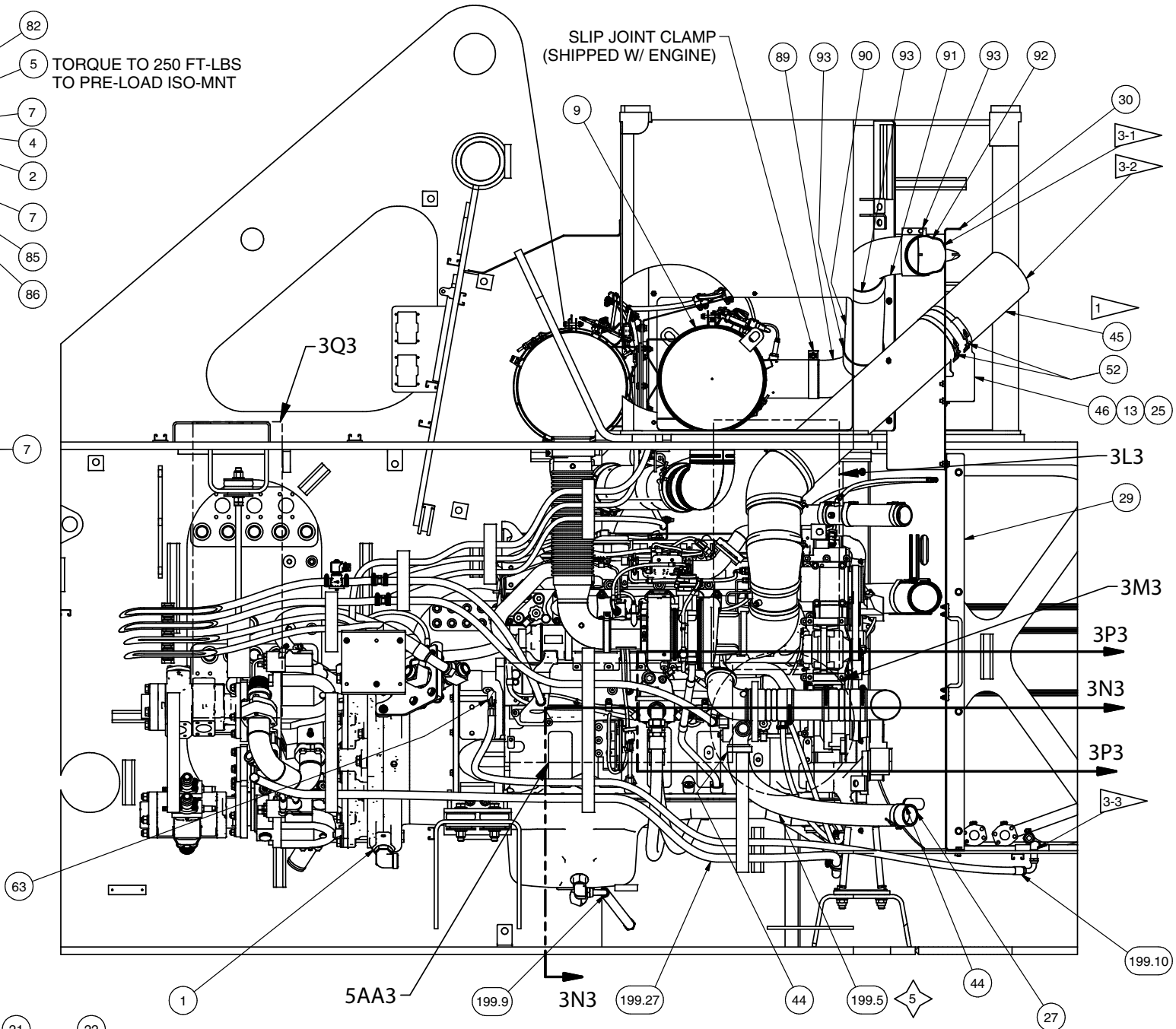
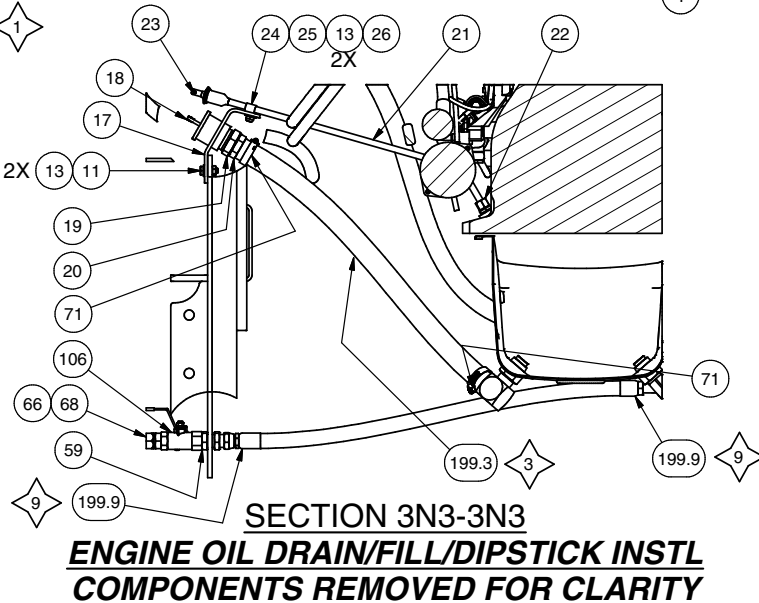
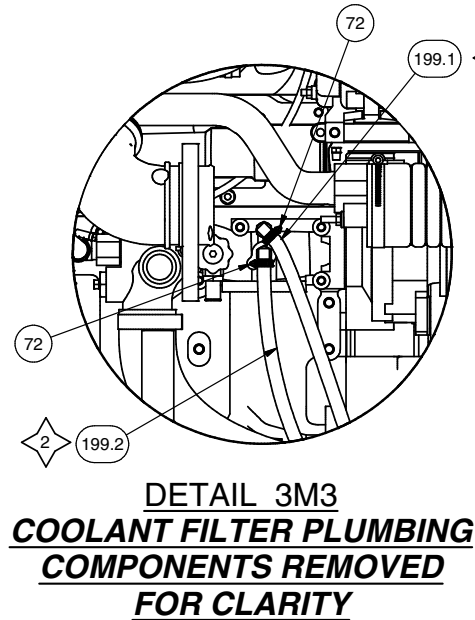
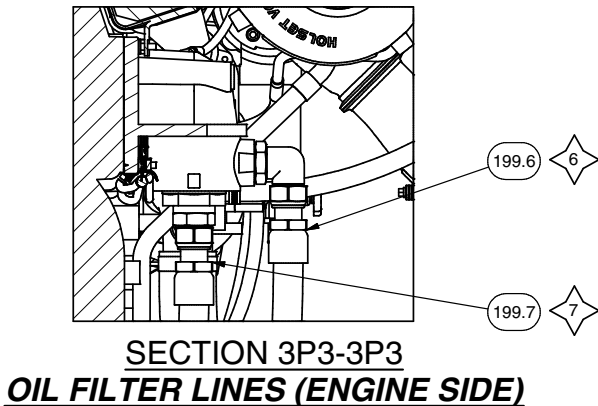
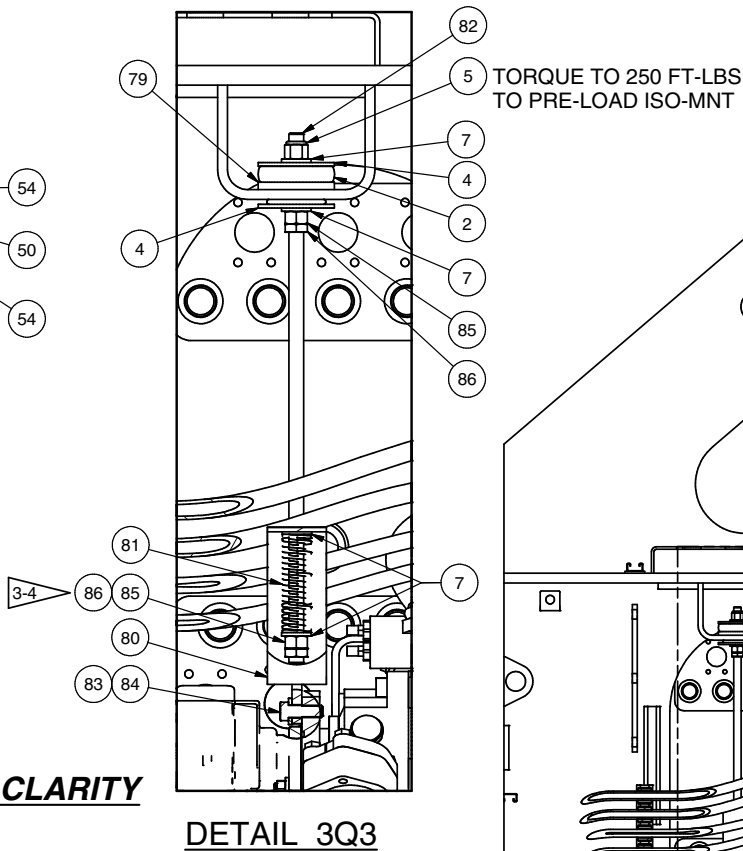
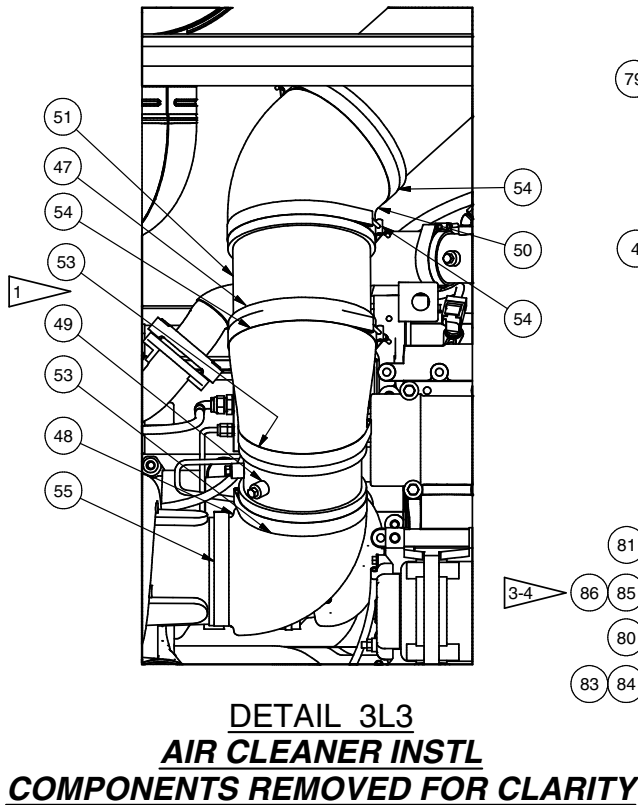
* See Separate Coverage

This installation uses metric hardware. Last used on L100-341, L90-142.

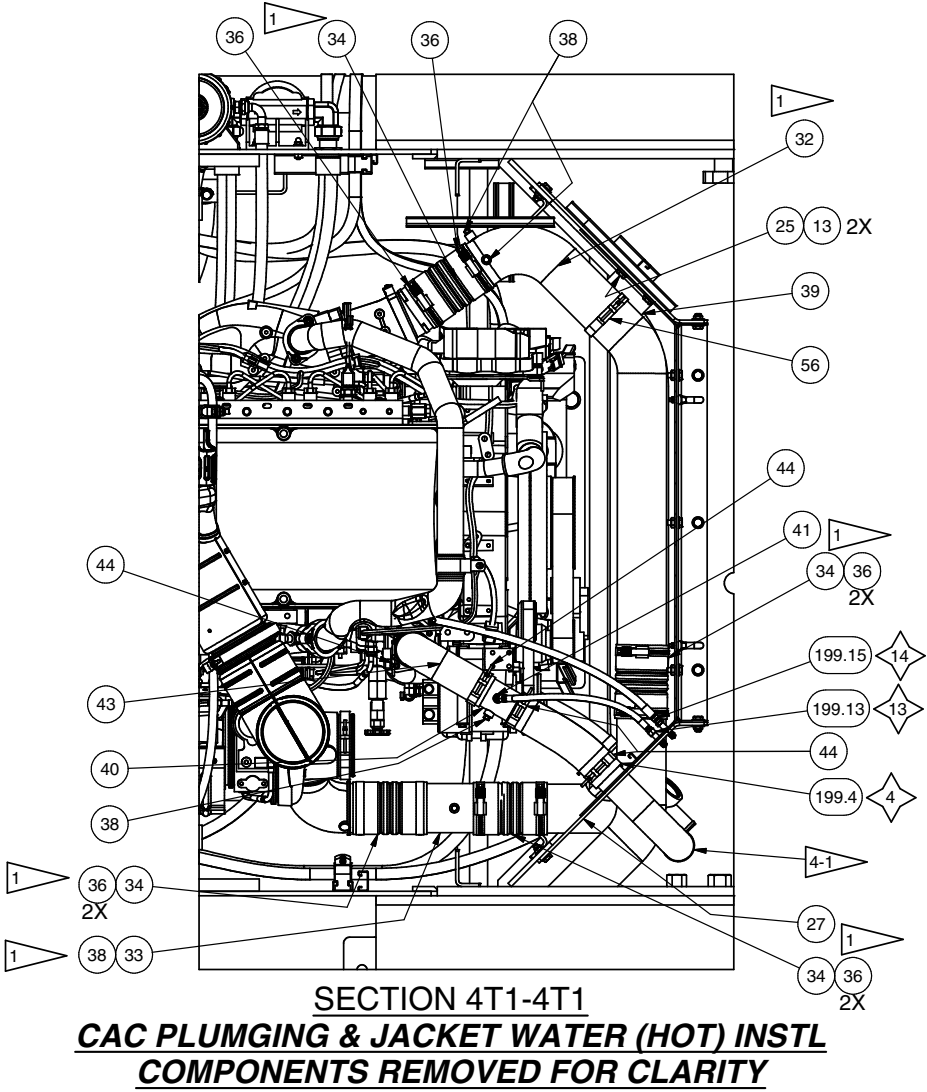
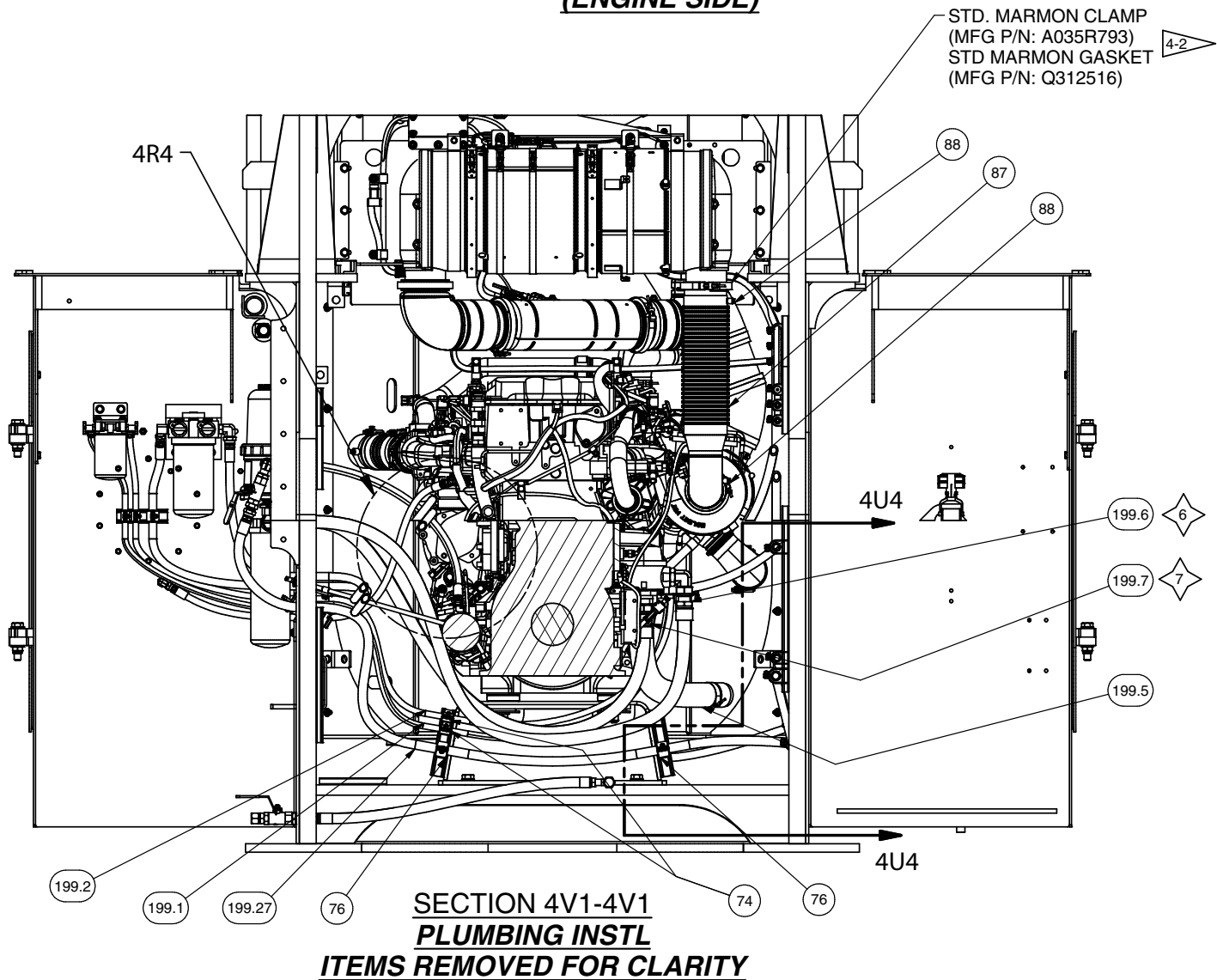
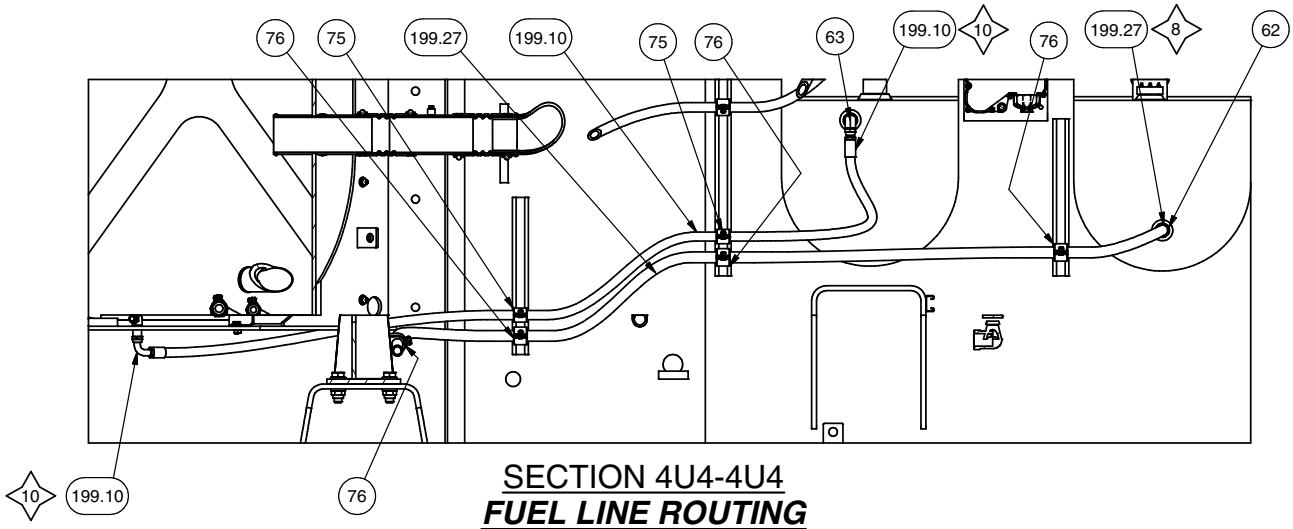
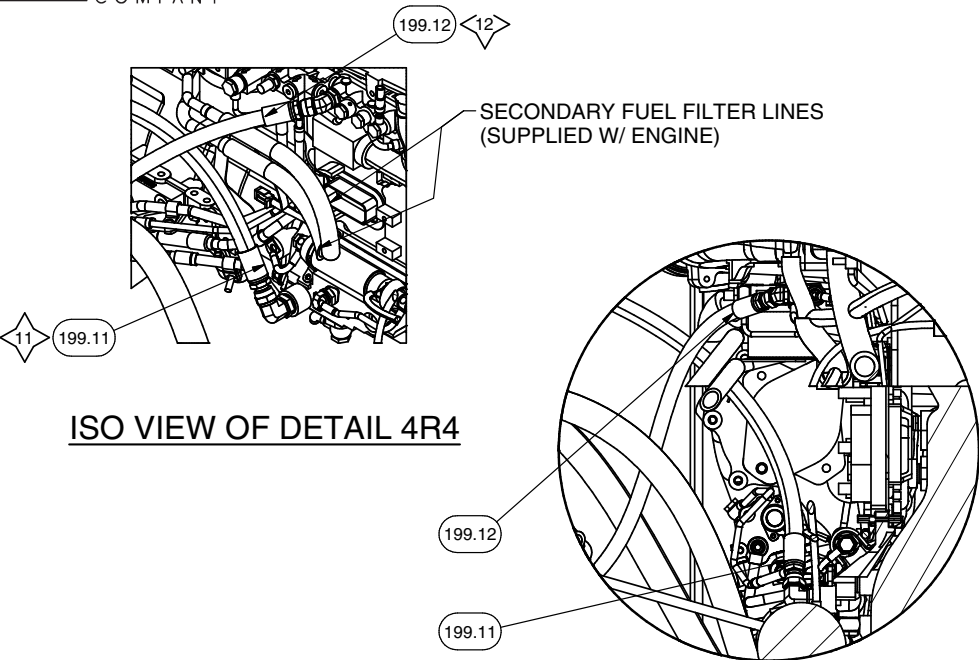
For later installations with imperial hardware, see page 602169-Imp.







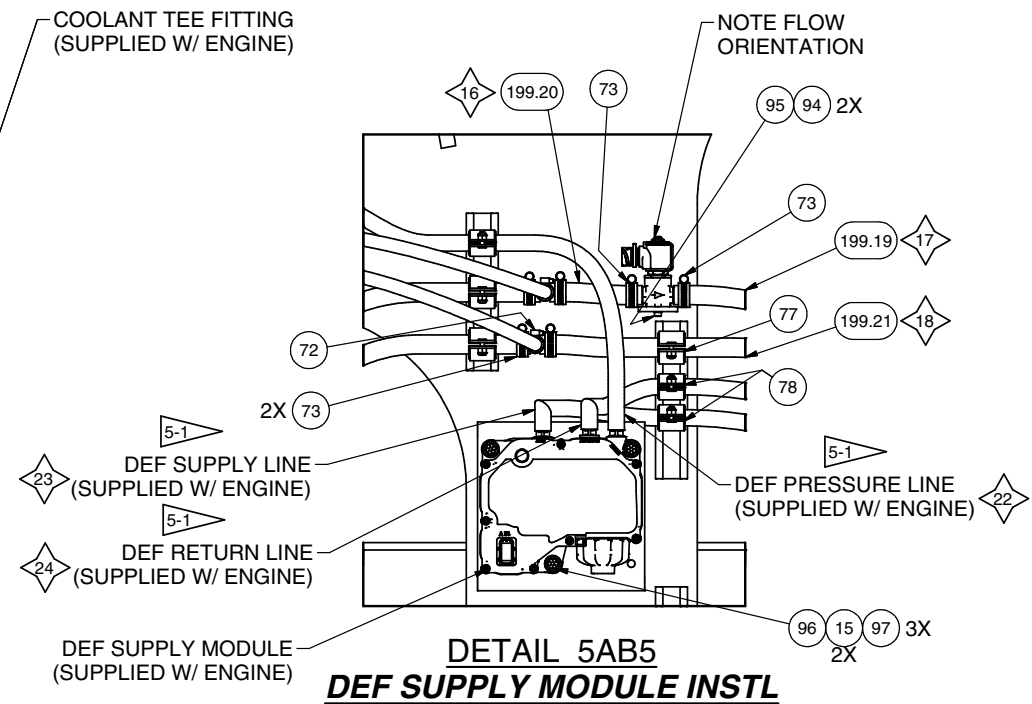
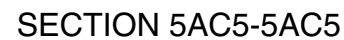
- NOTES:**
- 3-1 EXHAUST ROUTING CONTINUED ON EXHAUST INSTALLATION.
 - 3-2 AIR INTAKE ROUTING CONTINUED ON AIR INTAKE INSTALLATION.
 - 3-3 FUEL LINE ROUTING CONTINUED ON COOLING PACKAGE INSTALLATION.
 - 3-4 AFTER PRE-LOADING ISO-MOUNT, TIGHTEN ITEM 84 (NUT) UNTIL ITEM 80 (SPRING) COMPRESSES 1.00" (SPRING COMPRESSED LENGTH OF 4.00"). THIS WILL APPLY APPROXIMATELY 210 LBS OF UPWARD SUPPORT ON THE REAR FLANGE OF HYDRAULIC PUMP FLANGE.

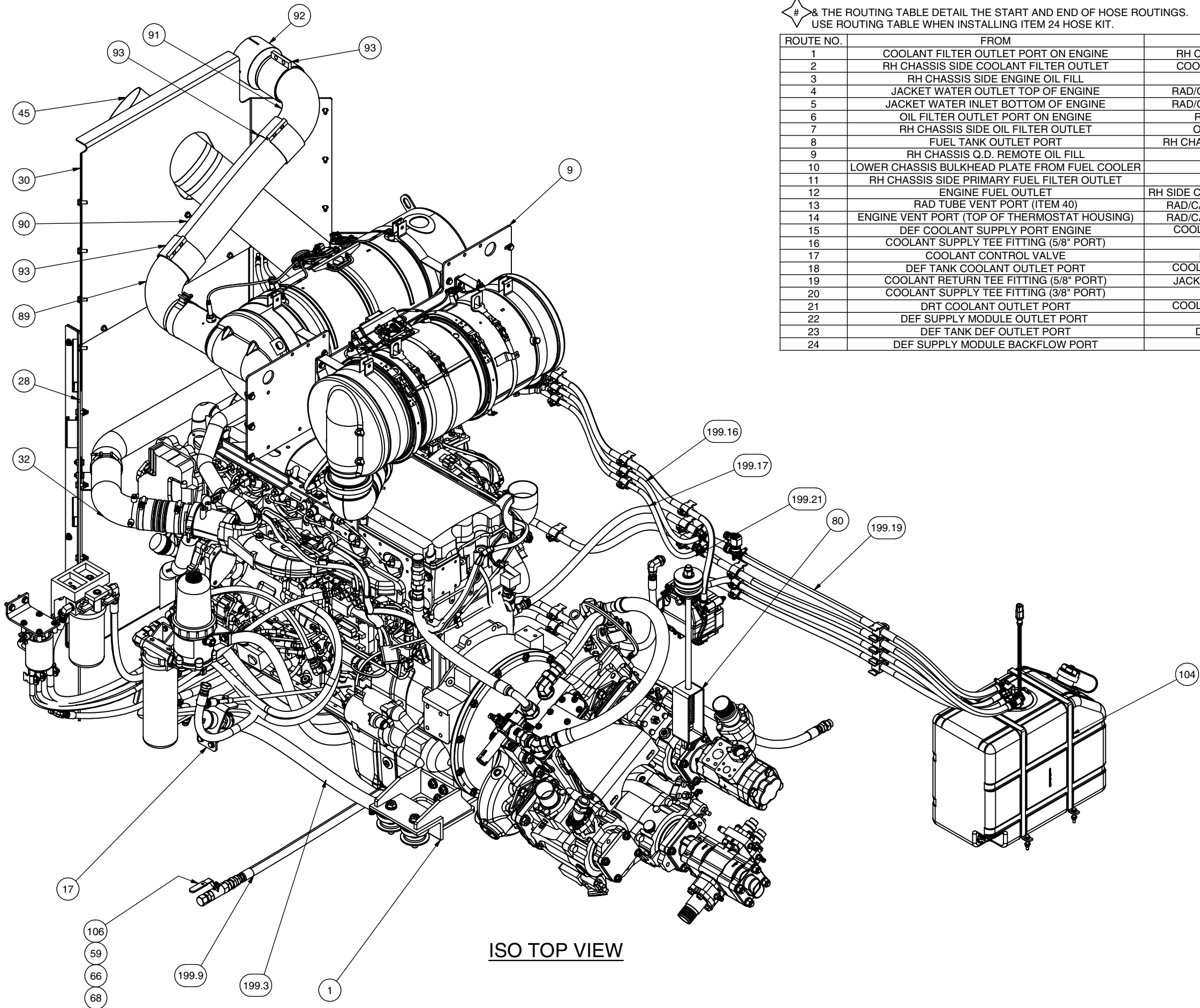


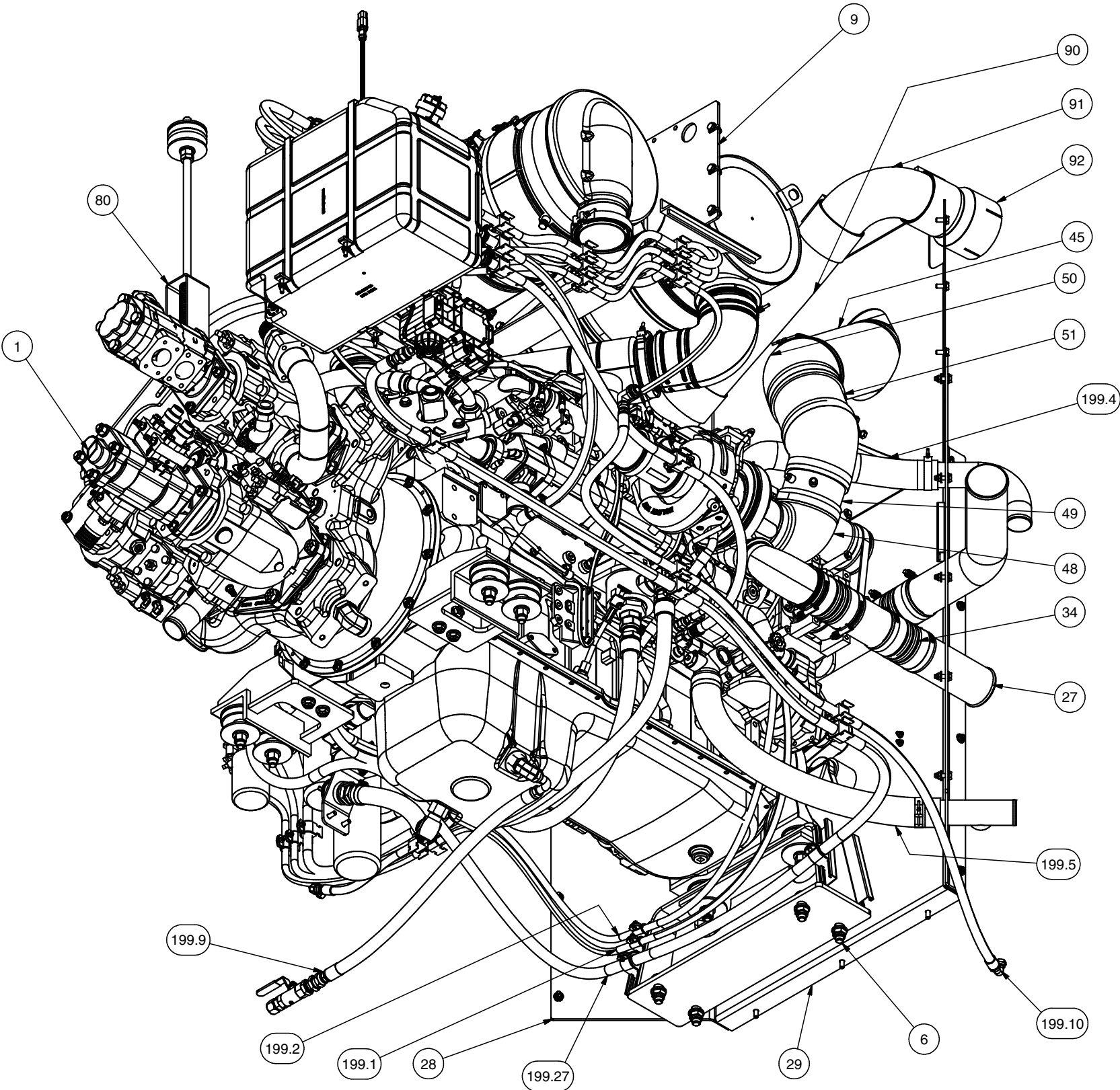
NOTES:

4-1 CAC AND JACKET WATER ROUTING CONTINUED ON COOLING PACKAGE INSTALLATION.

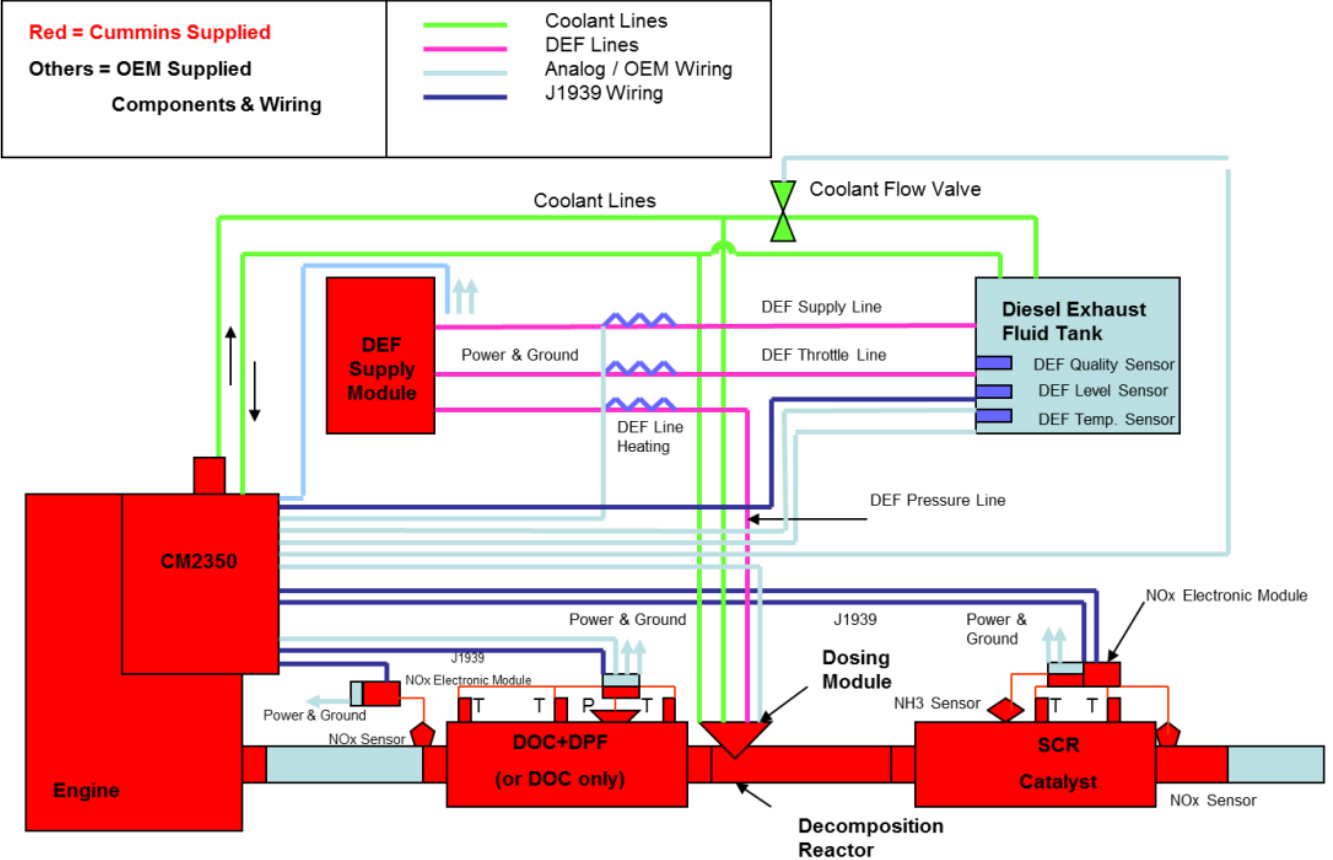
4-2 CLAMP AND GASKET SUPPLIED WITH ENGINE. REFERENCE DWG 596989 FOR INFORMATION.
TORQUE CLAMP TO 13.5 +/- 1.5 Nm. (AEB 24.75)







ISO BOTTOM VIEW



DEF SYSTEM SCHEMATIC