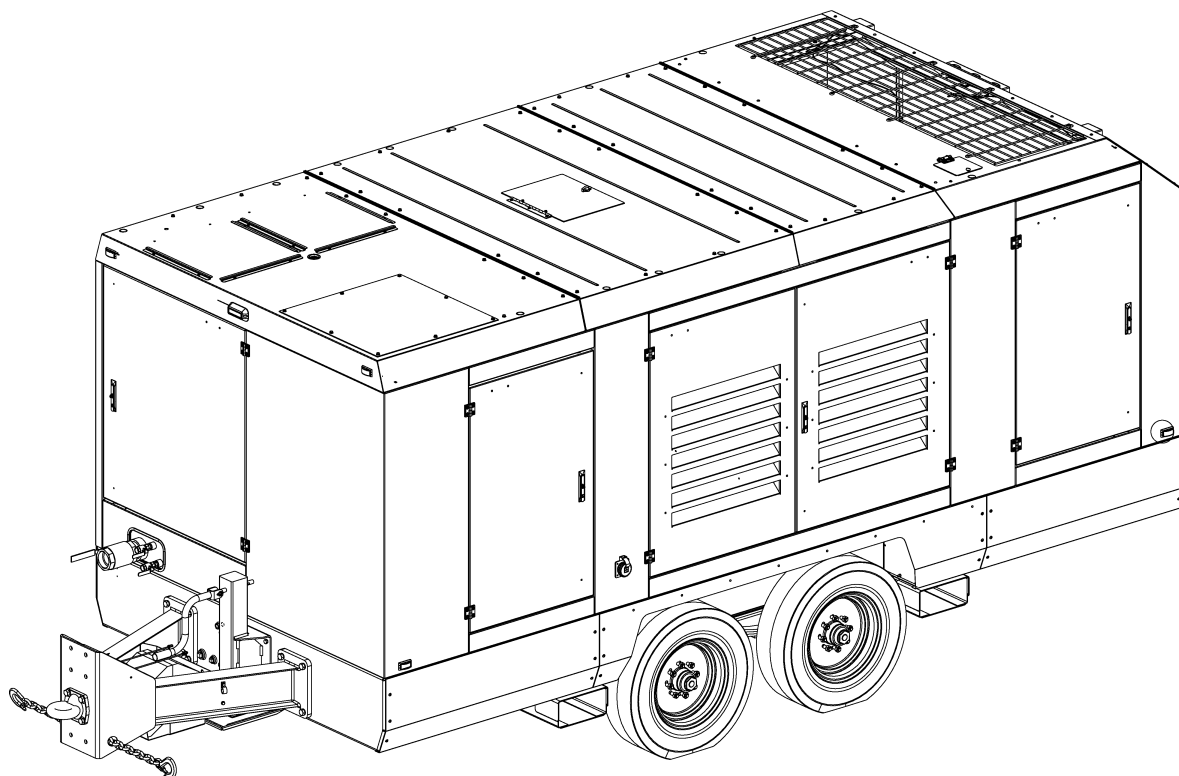




PARTS LIST MANUAL

Portable Air Compressor 1600H

Tier 4 Final
Perkins



SAFETY WARNING

Users are required to read the entire User Manual before handling or using the product.

WARRANTY NOTICE

Failure to follow the instructions and procedures in this manual, or misuse of this equipment, will void its warranty.

PART NUMBER:
02250248-732 R04

The information in this manual is current as of its publication date and applies to compressor models indicated on this cover with **serial number:**

US0125100001
and all subsequent serial numbers.

Publication date: 08/10/2026
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Hitachi Global Air Power US, LLC

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Hitachi Global Air Power Training Courses

Hitachi Global Air Power training courses provide hands-on and classroom instruction for the proper operation, maintenance, and servicing of Sullair products. Individual courses on Portable compressors are offered at regular intervals throughout the year at the Hitachi Global Air Power training facility located in Michigan City, Indiana and on-site at Sullair distributor locations.

Instruction includes training on the function and installation of Sullair service parts, troubleshooting common faults and malfunctions, and actual equipment operation. These seminars are recommended for maintenance, contractor maintenance, and distributor service personnel.

For more information contact:

Hitachi Global Air Power Training Department

1-888-SULLAIR or
219-879-5451 (ext. 5623)
training@sullair.com
www.SullairTraining.com

- Or Write -

Hitachi Global Air Power
1 Sullair Way
Michigan City, IN 46360
Attn: Training Department



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Notes:

1.1 Procedure for ordering parts

You should order parts from the nearest authorized Sullair representative or the representative from whom the compressor was purchased. If for any reason you cannot obtain parts in this manner, contact the factory directly at the address, phone number, or website listed below.

Hitachi Global Air Power US
 1 Sullair Way
 Michigan City, IN 46360 USA
 www.sullair.com
 1-800-SULLAIR (USA only)
 1-219-879-5451 (non-USA)

When ordering parts, always indicate the serial number of the compressor. You can get the serial number from the Bill of Lading for the compressor or from the Serial Number Plate located on the compressor (see *Figure 1-1: Serial number plate location*).

The genuine Sullair service parts listed meet or exceed the demands of this compressor. Use of replacement parts other than those approved by Sullair will void the Sullair warranties specific to this product and may lead to hazardous conditions over which Sullair has no control. Such conditions include, but are not limited to, bodily injury and compressor failure.

Mfg Date: #####



SULLAIR
A Hitachi Group Company

SULLAIR, LLC.
1 Sullair Way
Michigan City, IN 46360

Assembled In Michigan City, IN from U.S. and Foreign Components.

WORK ORDER ##### B.O.M. NO. #####

MODEL NO. #####

1000-3733

PSI ### CFM ### Bar ## m3/min

Max. Opr. Pres. PS ### PSI / ### Bar

Min. Opr. Pres. PS ### PSI / ### Bar

Relief Pres. PS ### PSI / ### Bar

ENG MAX RPM ### ENG IDLE RPM ### HP # Axles (#)

L (in/mm) ##### W (in/mm) ##### H (in/mm) ##### Pkg Wt (lbs/Kg)

SERIAL NO.
#####

Max. Amb Temp. TS ###° F / ##° C

Min. Amb Temp. TS ###° F / #° C

Max. CDT. TS ###° F / ###° C



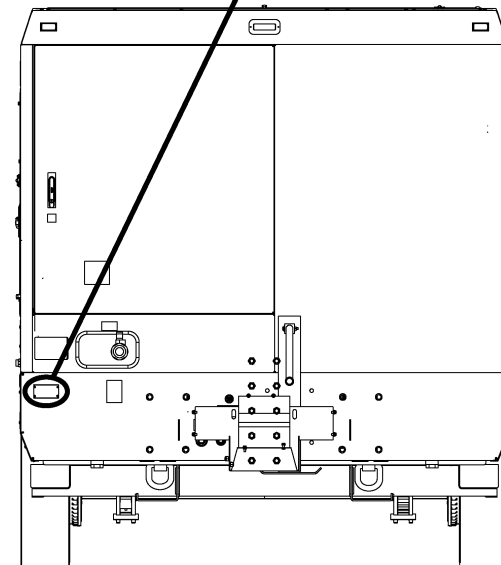


Figure 1-1: Serial number plate location

1.2 Recommended spare parts list

Part number	Qty	Description	Notes
02250155-691	2	ELEMENT,AIR FILTER PRIMARY 1600	
02250155-692	2	ELEMENT,AIR FILTER SECONDARY 1600	
1003-2719	1	SWITCH,VACCUUM 25" H2O	
02250248-769	1	SENSOR,ENGINE AIR INTAKE TIER 4	
02250165-908	1	SENSOR,ENGINE COOLANT PE	
826502-228	1	O-RING,VITON 2 1/4 X 1/8"	
02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
02250105-533	1	FLANGE,4" SAE J518 CODE 61	
02250141-442	1	SENSOR,PRES 250PSIG 1-5VDC	
02250161-277	1	SENSOR,TEMP THERMISTOR 3/4 O-RING	
02250167-628	1	COUPLING,FLEX 3IN 750PSI	
02250193-544	1	CLAMP,FX FILTER 925-1600	
02250193-534	1	GAUGE,DIFFERENTIAL PRESSURE	
02250195-194	1	ELEMENT,FXFR-1600 GNRL PRPS RVRS	
02250195-197	1	ELEMENT,FXHR-1600 OIL REMVL RVRS	
02250215-353	1	DRAIN,FX FLOAT BRASS	
02250117-782	1	FILTER,ASSEMBLY GENISIS FILTR +	
250018-262	1	KIT,REPAIR MIN.PRESS. CK VLV 3"	
02250159-102	1	SWITCH,TEMP 250F 3/4 O-RING	
826502-236	1	O-RING,VITON 3 1/4 X 1/8"	
02250218-388	1	COOLER,AFTER 1600G	
02250120-889	1	KIT,REPAIR BLWDN 8:1 N.C. VLV	
041742	1	KIT, PRESS REGULATOR	
02250207-504	1	VALVE,SOLENOID 3-WAY 1/4NPT 24VDC	
241772	1	KIT, REP STRAINER-V-TYPE	
250014-203	1	GASKET, DISCH PIPE 1250/1600	
02250201-866	1	SWITCH,ON/OFF/ST 185-600 CTRLR	
02250069-226	1	BUSHING,TPR LOCK 4040 W/2.75 BORE	TAPER BUSHING
02250069-601	1	COUPLING,DR ATC-6 1350/350	ENGINE DRIVE COUPLING

1.2 Recommended spare parts list

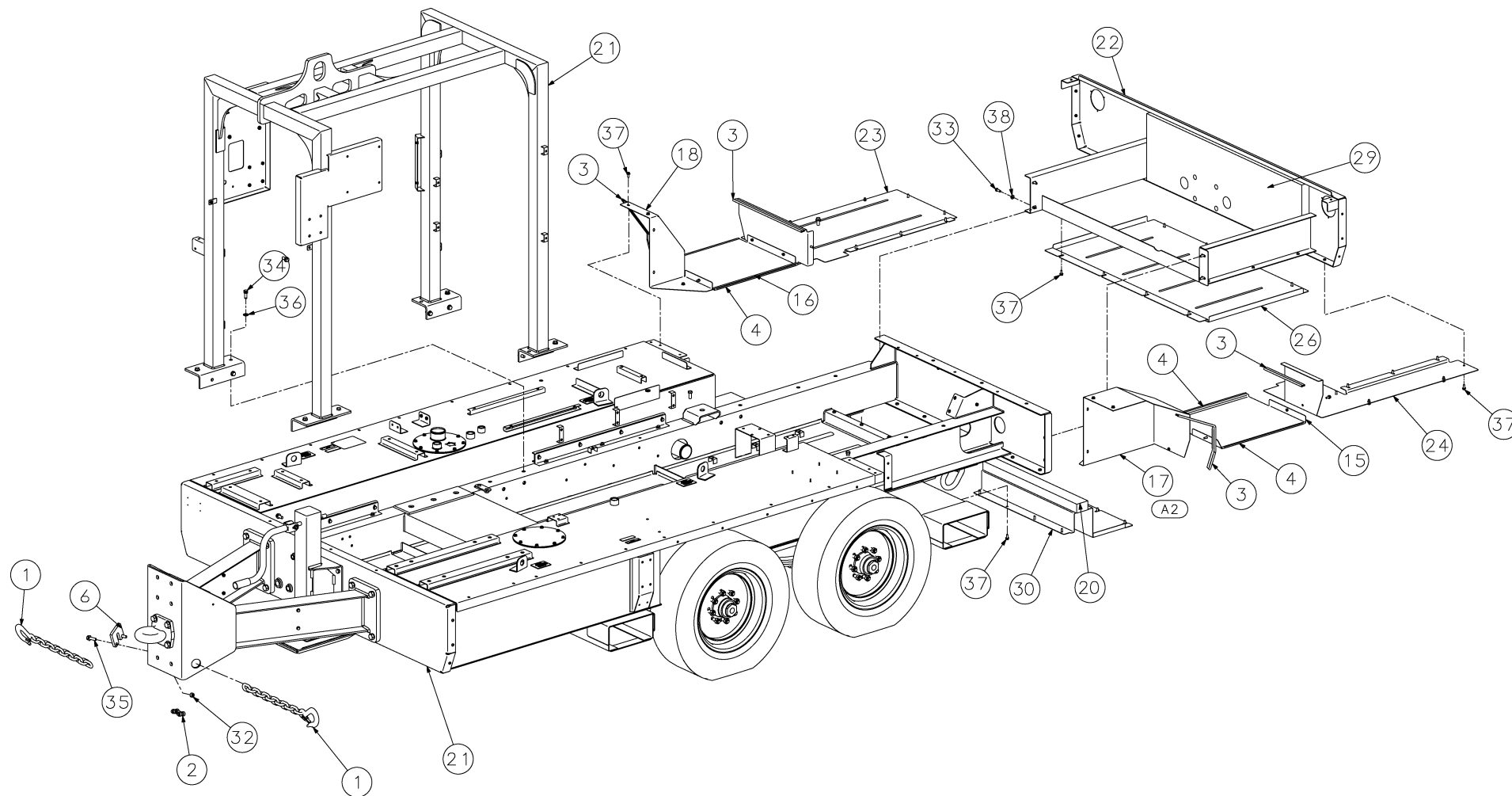
Part number	Qty	Description	Notes
02250210-176	1	VENT,FUEL 4 MICRON	FUEL TANK VENT
02250213-058	1	SWITCH,BATTERY DISCONNECT	
02250219-848	1	COOLER, FUEL 1600	
02250221-000	1	SENDER, FUEL LEVEL 1600J	
02250225-202	1	COOLER,OIL 1600J	
02250225-204	1	COOLER,CHARGE AIR 1600J	
02250225-332	1	COOLER,RADIATOR 1600J	
02250099-415	1	FLANGE,KITSAE SPLT 2" - VITON	
02250055-463	1	VALVE,RELIEF 1 1/2 NPT 250#	
02250218-860	1	ELEMENT,SEP 1600 TANK	
02250225-756	1	KIT,SEP ELEMENT 1600	
250026-561	1	KIT, REPL-2"T-STAT-170(25-552)	
02250139-996	1	ELEMENT,FILTER 80CN-2 CORELESS	
407749	1	HOSE, RAD UPPER 2 1/2 X 6"	
02250097-611	1	PLUG,SIGHT GLASS 1 7/8" SAE	
02250125-776	1	ORIFICE,PLUG BRASS 1/8"NPT X 3/32"	
02250126-129	1	GLASS,SIGHT/ORF BLK-SAE	
02250145-912	1	ORIFICE,.040".25 FNPT *.25 MNPT	
02250209-476	1	HOSE,BELLOW CAC 4"ID X 6"	
02250212-276	1	PLUG, FRAME DRAIN HOLE	
02250214-320	1	HEATER,ENG BLK 2.5KW W/PUMP	ENGINE BLOCK HEATER
02250219-574	1	CONTROL,ADVANCED DISP. UNIT	
02250219-700	1	CONTROL,PWR MANAGMENT MODULE	
02250221-441	1	VALVE,CHECK M/F 1/4 NPT	
02250242-488	1	SWITCH,E-STOP	
02250225-398	1	HOSE,RAD UPPER 3.0" ID X 6.0"	UPPER RAD HOSE
02250245-921	1	FILTER,OIL CAT	
02250245-919	1	FILTER,FUEL PRIMARY	
02250245-920	1	FILTER,FUEL SECNDRY CAT	

1.2 Recommended spare parts list

Part number	Qty	Description	Notes
02250225-391	1	HOSE,RAD RED 3.5"ID X 3.0 ID	
02250248-217	1	ALT BELT	
02250248-218	1	V-BELT	
045244	1	VALVE, INLINE CHECK(1/4"NPT)DC	
250030-757	1	Sullair AWF® (5 gallons/18.9 liters)	
250030-758	1	Sullair AWF® (55 gallons/208 liters)	
250023-146	1	Manual, CIMA safety	
02250228-416	1	KIT,MAINTENANCE 50 HOUR	Parts included in kit: 02250139-996 1, ELEM,FLTR 80CN-2 CORELESS
02250248-476	1	KIT,MAINTENANCE 250 HR MAINTENANCE	Parts included in kit: 02250139-996 1, ELEM,FLTR 80CN-2 CORELESS
02250248-474	1	KIT,MAINTENANCE 500 HR MAINTENANCE	Parts included in kit: 02250139-996 1, ELEM,FLTR 80CN-2 CORELESS 02250155-691 2, ELEM,AIR FLTR PRIMARY 1600 02250245-921 1, FLTR,OIL 02250245-919 1, FLTR,FUEL PRIMARY 02250245-920 2, FLTR,FUEL SECONDARY
02250248-475	1	KIT,MAINTENANCE 1500HRS HPL1500	Parts included in kit: 250030-757 6, LUBT,AWF 5 GAL 02250139-996 1, ELEM,FLTR 80CN-2 CORELESS 02250155-691 2, ELEM,AIR FLTR PRIMARY 1600 02250155-692 2, ELEM,AIR FLTR SECONDARY 1600 02250225-756 1, KIT,SEP ELEMENT 1600 - OBS 02250245-921 1, FLTR,OIL 02250245-920 2, FLTR,FUEL SECONDARY 02250245-919 1, FLTR,FUEL PRIMARY

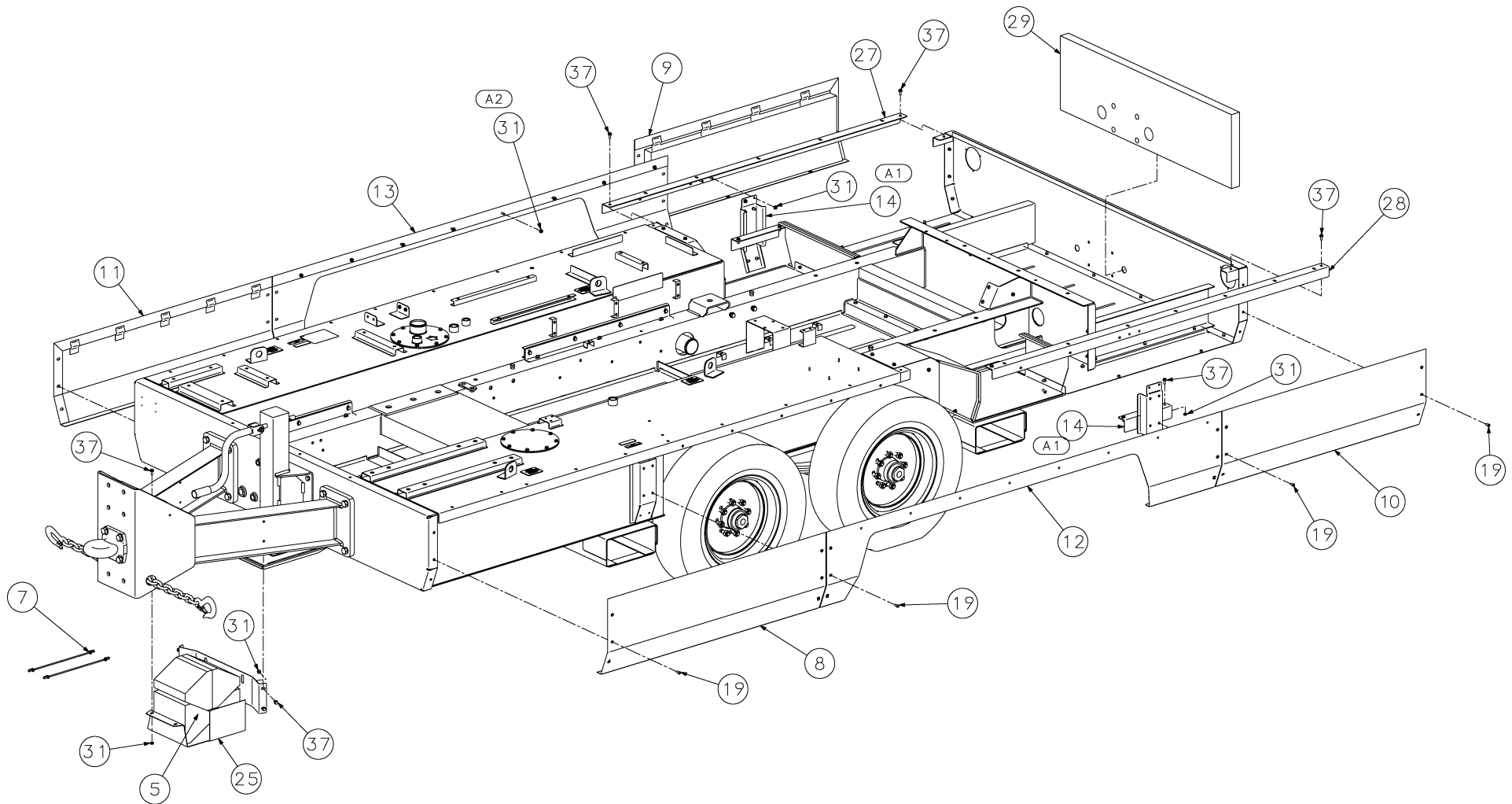
Notes:

1.3 Frame, DTQ



02250223-446 R04 (sh1)

1.3 Frame, DTQ



02250223-446 R04 (sh2)

1.3 Frame, DTQ

Key	Part number	Qty	Description	Notes
1	02250095-866	2	CHAIN,ASSEMBLY 3/8*48" W/HOOK	
2	02250095-867	1	COUPLING, LINK, SAFETY CHAIN 3/8	
3	02250144-124	8 ft	GASKET,TRIM - CANOPY SHRD EDGE LS10	
4	02250154-659	7 ft	TRIM,CLIP-ON GRIP 185-260DUQ	
5	02250155-329	4	CHOCK,WHEEL 600-750H	
6	02250204-880	1	PLATE,CHAIN STOP 1600F	
7	02250213-003	2	CORD,TIE-DOWN 18.00-32.00	
8	02250218-754	1	FENDER,SKIRT SS FRT 1600J	
9	02250218-755	1	FENDER,SKIRT CS REAR 1600J	
10	02250218-797	1	FENDER,SKIRT SS REAR 1600	
11	02250218-798	1	FENDER,SKIRT CS FRONT 1600	
12	02250219-739	1	FENDER,CS MID 1600J	
13	02250219-740	1	FENDER,SS MID 1600J	
14	02250219-920	2	SUPPORT,REAR FRM SKIRTS 1600J	
15	02250220-253	1	PANEL,RR MID LH BOT FRM 1600J	
16	02250220-256	1	PANEL,RR MID RH BOT FRM 1600J	
17	02250220-271	1	PANEL,WHL WELL RH 1600J	
18	02250220-272	1	PANEL,WHL WELL LH 1600J	
19	02250220-509	36	SCREW,SOCKET BTN HD 5/16-3/4 BLZN	
20	02250220-629	1	INSULATION,FRM CLR BOT 2" 1600J	
21	02250223-447	1	FRAME,1600J DPQ ASSY	
22	02250223-455	1	FRAME,1600 REAR CEM LIGHT	
23	02250223-494	1	PANEL,REAR LH BOT FRM 1600J	
24	02250223-495	1	PANEL,REAR RH BOT FRM 1600J	
25	02250223-656	1	SUPPORT,BRACKET WHEEL CHOCKS 1600T4F	
26	02250223-798	1	PANEL,REAR FRM MID 1600J	
27	02250223-801	1	ANGLE,CAN SUPT FRM CS 1600J	
28	02250223-802	1	ANGLE,CAN SUPT FRM SS 1600J	
29	02250223-818	1	INSULATION,FRM REAR 2"	
30	02250223-819	1	BAFFLE,FRM CNTR CLR 1600J	
31	825305-283	30	NUT, HEX FLGD PLTD 5/16-18	

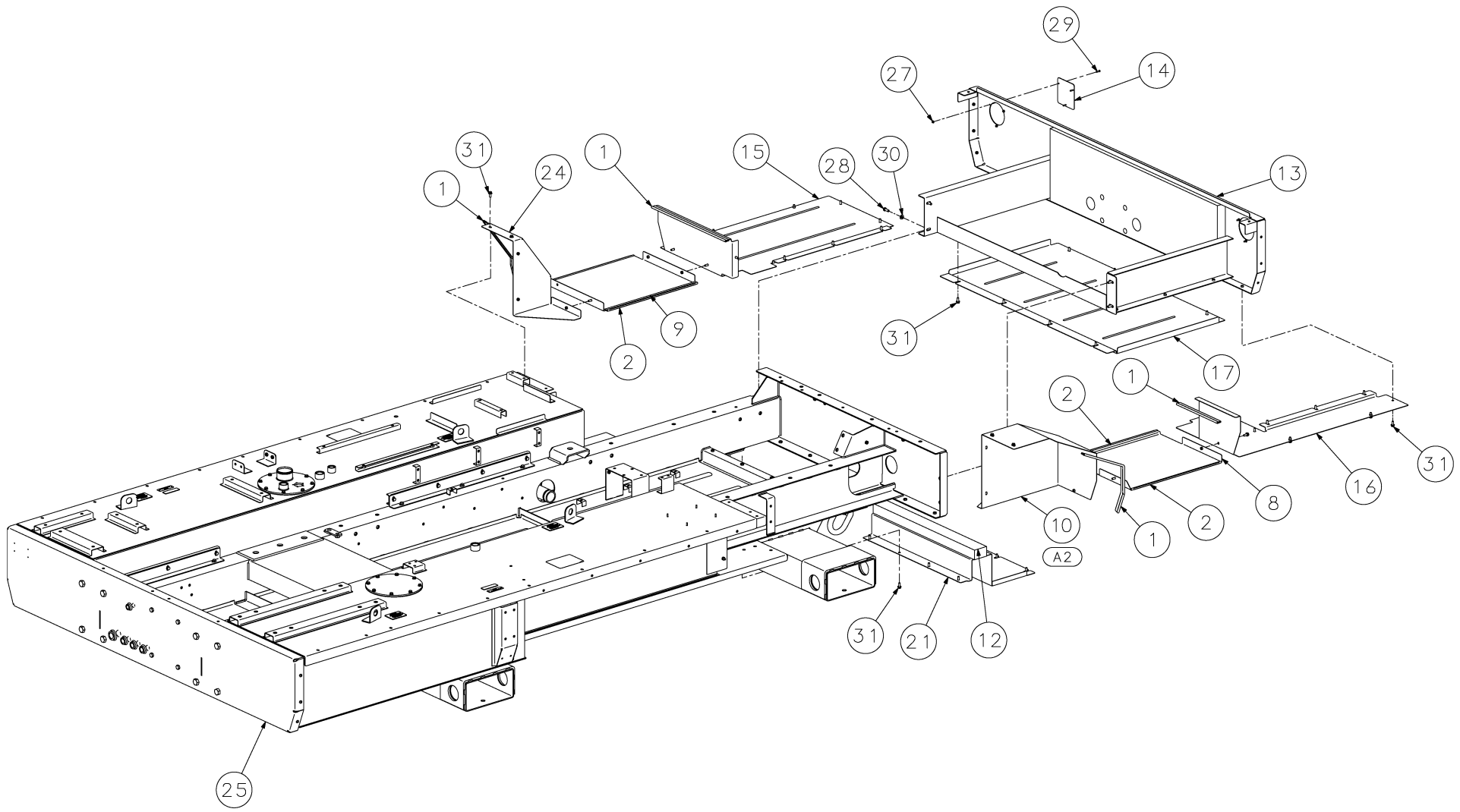
1.3 Frame, DTQ

Key	Part number	Qty	Description	Notes
32	825508-262	2	NUT, HEX LOCKING PLTD 1/2-13	
33	829106-100	4	CAPSCREW,HEX GR5 3/8-16 X 1"	
34	829108-125	16	CAPSCREW,HEX GR5 1/2-13 X 1 1/4	
35	829708-150	2	SCREW,HEX SER WASH1/2-13X1 1/2	
36	878608-100	16	WASHER, NORD-LOCK PL 1/2" SP	
37	884305-075	62	SCREW,HEX SER WASH 5/16-18X3/4	
38	878606-083	4	WASHER, NORD-LOCK PL 3/8" SP	

Drawing notes

A1	MOUNT TO COOLER PACK BOTTOM SUPPORT
A2	MOUNT TO FUEL TANK
1	APPLY ACOUSTICAL FOAM PANELS PER SULLAIR SPEC. 02250175-965.
	TORQUE FOR BOLTS WITH NORD-LOC WASHERS: 1/2" BOLT = 74 (ft-lb) (Dry); 3/8" bolt = 31 (ft-lb) (Dry)

1.4 Frame, DLQ



02250236-230 R00 (sh1)



This exploded perspective view illustrates the assembly of a mechanical structure. The components are identified by the following callouts:

- 3**: A long, flat base plate or support structure.
- 4**: A vertical support or bracket component.
- 5**: A horizontal plate or cover at the rear of the assembly.
- 6**: A long, thin component, possibly a cable or a thin plate, running along the top.
- 7**: A vertical support or bracket component, similar to 4.
- 11**: A long, thin component, possibly a cable or a thin plate, running along the bottom.
- 18**: A horizontal plate or cover at the front of the assembly.
- 19**: A horizontal plate or cover at the rear of the assembly.
- 20**: A rectangular plate or cover with a central circular feature.
- 22**: A long, thin component, possibly a cable or a thin plate, running along the top.
- 23**: A long, thin component, possibly a cable or a thin plate, running along the bottom.
- 26**: A vertical support or bracket component.
- 31**: A long, thin component, possibly a cable or a thin plate, running along the top.



15

1.4 Frame, DLQ

Key	Part number	Qty	Description	Notes
1	02250144-124	8 ft	GASKET,TRIM - CANOPY SHRD EDGE LS10	
2	02250154-659	7 ft	TRIM,CLIP-ON GRIP 185-260DUQ	
3	02250218-754	1	FENDER,SKIRT SS FRT 1600J	
4	02250218-755	1	FENDER,SKIRT CS REAR 1600J	
5	02250218-797	1	FENDER,SKIRT SS REAR 1600	
6	02250218-798	1	FENDER,SKIRT CS FRONT 1600	
7	02250219-920	2	SUPPORT,REAR FRM SKIRTS 1600J	
8	02250220-253	1	PANEL,RR MID LH BOT FRM 1600J	
9	02250220-256	1	PANEL,RR MID RH BOT FRM 1600J	
10	02250220-271	1	PANEL,WHL WELL RH 1600J	
11	02250220-509	36	SCREW,SOCKET BTN HD 5/16-3/4 BLZN	
12	02250220-629	1	INSULATION,FRM CLR BOT 2" 1600J	
13	02250223-455	1	FRAME,1600 REAR CEM LIGHT	
14	02250223-492	2	PLATE,COVER TAIL LIGHTS BLK	
15	02250223-494	1	PANEL,REAR LH BOT FRM 1600J	
16	02250223-495	1	PANEL,REAR RH BOT FRM 1600J	
17	02250223-798	1	PANEL,REAR FRM MID 1600J	
18	02250223-801	1	ANGLE,CAN SUPT FRM CS 1600J	
19	02250223-802	1	ANGLE,CAN SUPT FRM SS 1600J	
20	02250223-818	1	INSULATION,FRM REAR 2"	
21	02250223-819	1	BAFFLE,FRM CNTR CLR 1600J	
22	02250226-964	1	FENDER,RH MID 1600J DLQ	
23	02250226-965	1	FENDER,CS MID 1600J DLQ	
24	02250236-109	1	PANEL,WHL WELL LH 1600J	
25	02250236-231	1	FRAME,1600J&K DLQ CAN PURCH ASSY	
26	825305-283	8	NUT, HEX FLGD PLTD 5/16-18	
27	825502-083	6	NUT, HEX LOCKING PLTD 10-24	
28	829106-100	4	CAPSCREW,HEX GR5 3/8-16 X 1"	
29	876002-075	6	SCREW,RND PHILIPS 10-24 X 3/4"	

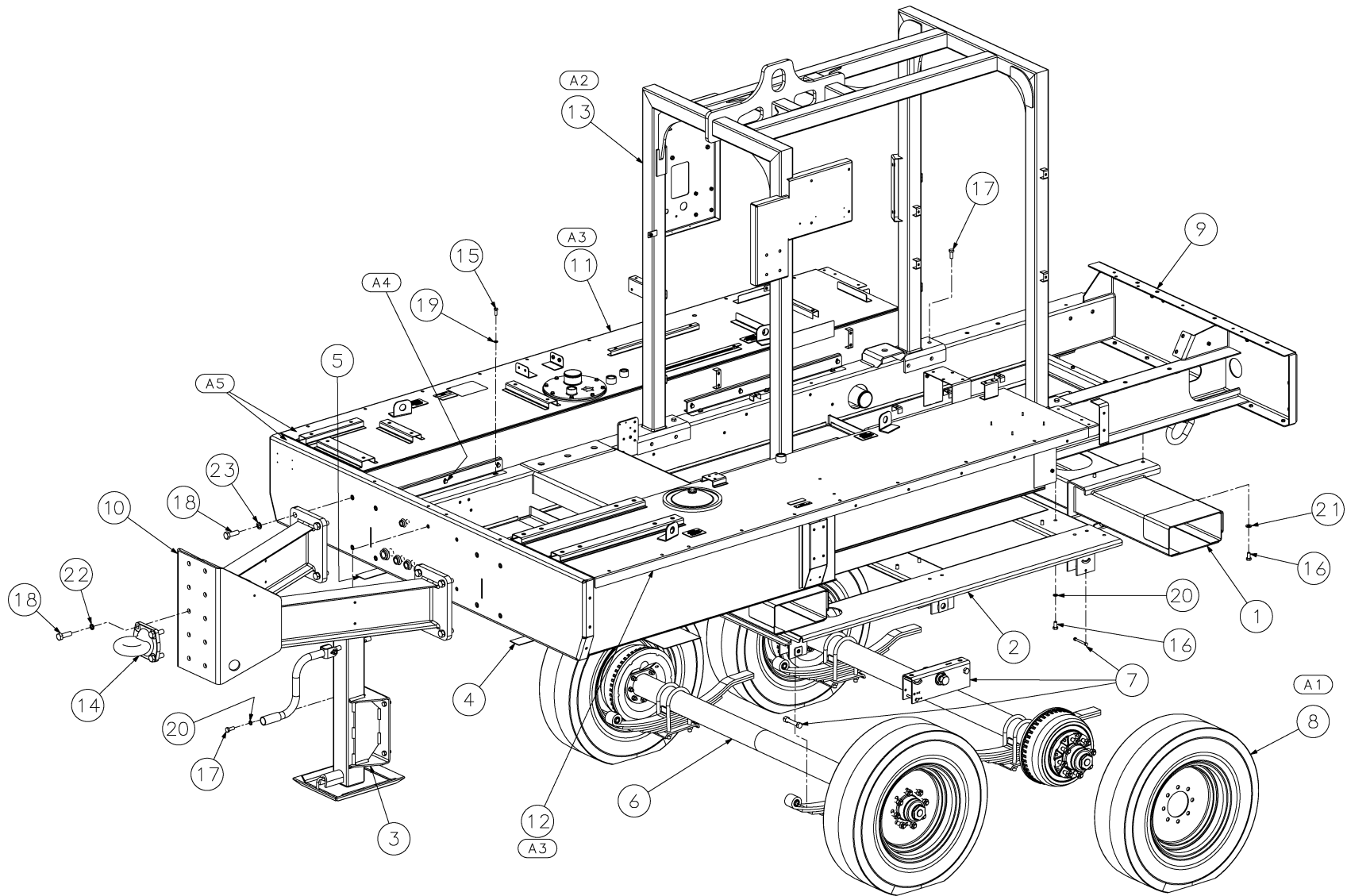
1.4 Frame, DLQ

Key	Part number	Qty	Description	Notes
30	878606-083	4	WASHER, NORD-LOCK PL 3/8" SP	
31	884305-075	55	SCREW, HEX SER WASH 5/16-18X3/4	

Drawing notes

A1	MOUNT TO COOLER PACK BOTTOM SUPPORT
A2	MOUNT TO FUEL TANK
1	APPLY ACOUSTICAL FOAM PANELS PER SULLAIR SPEC. 02250175-965
	TORQUE FOR BOLTS WITH NORD-LOC WASHERS: 3/8" bolt = 31 (ft-lb) (Dry)

1.5 Frame / running gear - DTQ standard



02250223-447 R05

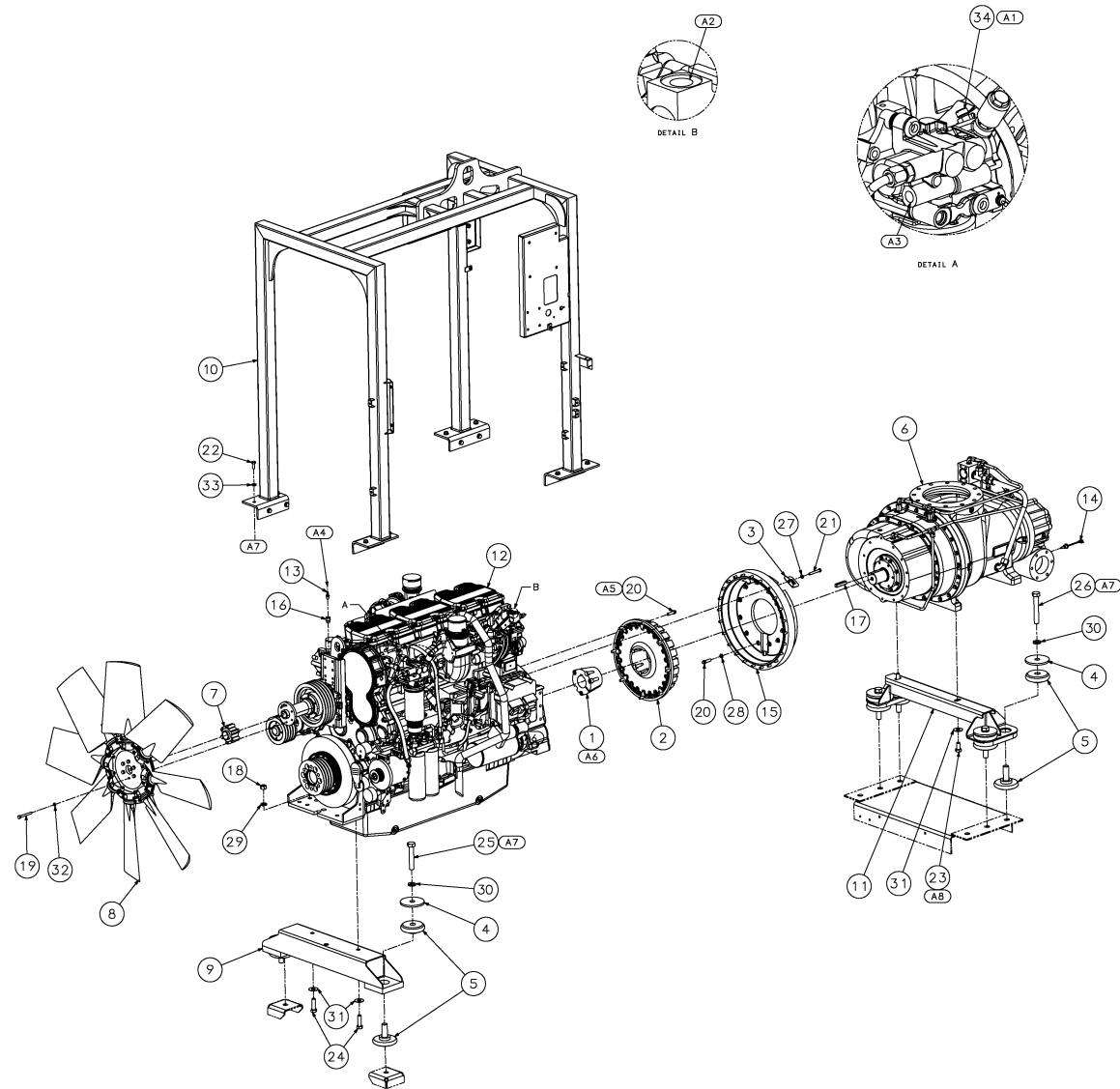
1.5 Frame / running gear - DTQ standard

Key	Part number	Qty	Description	Notes
1	02250219-446	2	POCKET,FORK LIFT 1600J	
2	02250219-561	1	FRAME,ASSY AXLE SUB 1600J	
3	02250219-883	1	JACK,LG PORTABLE TIER 4	
4	02250219-933	1	PAD,FUEL TANK SS 1600J	
5	02250219-977	1	PAD,FUEL TANK CS 1600J	
6	02250220-922	2	AXLE,9000 LB 1600J TANDEM	
7	02250220-923	1	SUPPORT,KIT 9K EQUAL & HARDWARE	
8	02250223-319	4	TIRE,ASY215/75R17.5H.19 IN BLK	
9	02250223-448	1	FRAME,ASSY 1600J DPQ	
10	02250223-458	1	DRAWBAR,1600J I-BEAM ADJ HT	
11	02250223-485	1	TANK,FUEL 1600 CS	
12	02250223-524	1	TANK,FUEL 1600 SS	
13	02250223-528	1	BAIL,LIFTING SQ 1600J	
14	250029-097	1	EYE, LUNETTE 3"X 60,000# RIGID	
15	827906-100	10	CAPSCREW,HEX GR8 3/8-16 X 1"	
16	829108-100	20	CAPSCREW,HEX GR5 1/2-13 X 1"	
17	829108-125	8	CAPSCREW,HEX GR5 1/2-13 X 1 1/4"	
18	829112-225	12	CAPSCREW, HEX GR5 3/4 X 2 1/4"	
19	878606-065	10	WASHER, NORD-LOCK PL 3/8"	
20	878608-077	16	WASHER, NORD-LOCK PL 1/2"	
21	878608-100	8	WASHER, NORD-LOCK PL 1/2" SP	
22	878610-100	4	WASHER, NORD-LOCK PL 5/8"	
23	878612-121	8	WASHER, NORD-LOCK PL 3/4"	

Drawing notes

A1	WHEEL LUGNUTS ARE SUPPLIED WITH AXLES
A2	SHIP WITH ONE BOLT PER LEG.
A3	MAY NEED TO INSTALL FUEL TANKS WITH WHEEL AND TIRES OFF.
A4	INSTALL TANKS WITH BOLTS IN ANGLES LOOSE TO ALLOW TANK TO BE FLUSH (FLAT) WITH TOP OF FRAME. THEN TIGHTEN.
A5	TANKS TO BE FLAT WITH TOP OF FRAME TO WITHIN .18 INCHES.
	TAG ASSEMBLY WITH SULLAIR PART NUMBER 02250223-447

1.6 Engine and compressor



02250245-886 R03

1.6 Engine and compressor

Key	Part number	Qty	Description	Notes
1	02250069-226	1	BUSHING,TPR LOCK 4040 W/2.75 BORE	
2	02250069-601	1	COUPLING,DR AC-T6 14" FLYWHEEL	
3	02250173-966	2	COVER,HP UNIT ADPT 160D	
4	02250212-799	6	WASHER,SNUBBING .375 X 5.25	
5	02250212-802	6	ISOLATOR,VIBRATION TUBE MNT RUBBER ASSY	
6	02250220-374	1	COMPRESSOR & PARTS,DXN255222D161E55LCB	
7	02250220-987	1	SPACER,FAN 3.9 BC 2" HUB	
8	02250221-525	1	FAN,50.0 M7168	
9	02250223-511	1	MOUNT,ENG FRONT 1600J T4F	
10	02250223-528	1	BAIL,LIFTING SQ 1600J	
11	02250223-905	1	MOUNT,COMPR/ENG REAR 1600J LP	
12	02250245-655	1	ENGINE,DIESEL PE 15L 540HP T4 FINAL	
13	043258	1	CONNECTOR,BARB 5/16 HOSE X 1/4 NPT	
14	1007-1309	1	SENSOR,TEMP RTD PT500	
15	250003-159	1	ADAPTER,SAE 1 DXR25	
16	811504-025	1	ADAPTER, PIPE-F 1/2 X 1/4"	
17	821110-300	1	KEY, SQ CL1 5/8 X 3"	
18	825112-665	2	NUT, HX GR8 PLTD 3/4-10	
19	828010-090	6	CAPSCREW,HEX 8.8 M10 X 90MM PLT	
20	828408-175	20	CAPSCREW,FERRY HEAD 1/2-13 X 1 3/4"	
21	829107-300	24	CAPSCREW,HEX GR5 7/16-14 X 3"	
22	829108-125	16	CAPSCREW,HEX GR5 1/2-13 X 1 1/4	
23	829112-150	2	CAPSCREW,HEX GR 3/4 X 1 1/2"	
24	829112-250	2	CAPSCREW,HEX GR5 3/4-10 X 2-1/2	
25	829116-550	2	CAPSCREW, HEX GR5 1-8 X 5 1/2"	
26	829116-650	4	CAPSCREW, HEX GR5 1-8 X 6.5"	
27	837807-112	24	WASHER,SPRLOCK REG PLTD 7/16	
28	837808-125	12	WASHER, SPRLOCK REG PLTD 1/2"	
29	837812-188	4	WASHER, SPRLOCK REG PLTD 3/4"	

1.6 Engine and compressor

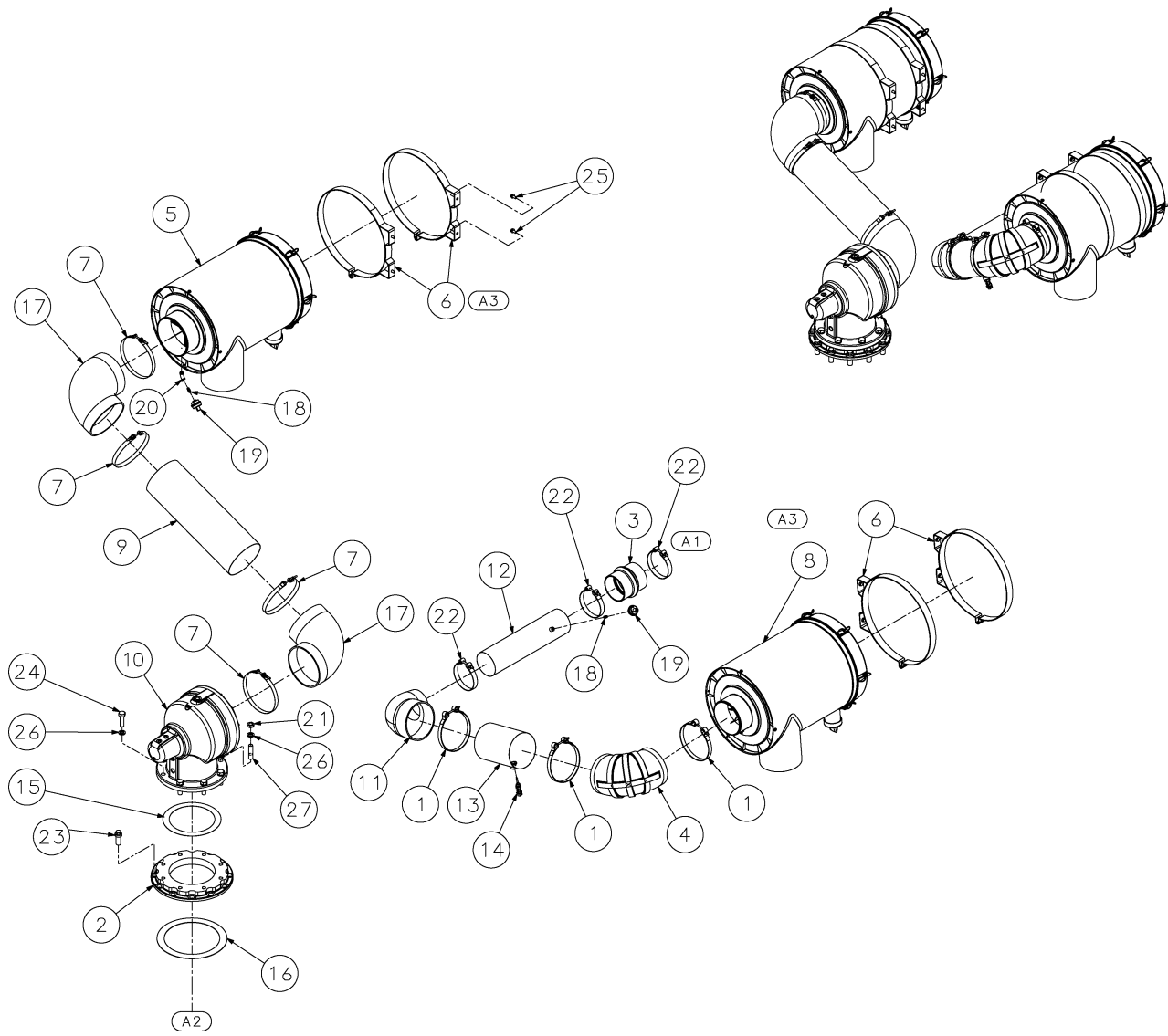
Key	Part number	Qty	Description	Notes
30	837816-250	6	WASHER, SPRLOCK REG PLTD 1"	
31	838212-112	4	WASHER, PL-B REG PLTD 3/4"	
32	838810-220	6	WASHER, SPRLOCK METRIC M10	
33	878608-100	16	WASHER, NORD-LOCK PL 1/2" SP	
34	884406-056	1	CONNECTOR, STR THD/ORFS 9/16 X 3/8	

Drawing notes

1	TORQUE FOR BOLTS WITH NORD-LOC WASHERS 1/2" BOLT = 74 (FT-LB) (DRY)
A1	FUEL SUPPLY TO AFTER TREATMENT.
A2	ENGINE FUEL RETURN LINE.
A3	ENGINE FUEL SUPPLY.
A4	VENTILATOR LINE TO DEAERATION TANK.
A5	MAKE SURE THREADS ARE CLEAN AND FREE OF OIL. APPLY LOCTITE 2440 SULLAIR P/N 005898-250 TO THREADS OF SCREW AND TORQUE TO 77 FT-LBS.
A6	INSTALL TAPER LOCK PER MANUFACTURER'S INSTRUCTIONS PROVIDED WITH PART. SCREWS ARE SUPPLIED WITH TAPER LOCK.
A7	TO FRAME.
A8	BOLTS TO BE LOCKED WITH MEDIUM STRENGTH SCREW LOCK ADHESIVE PER SULLAIR ENG. SPEC #005898; COLOR CODE BLUE.

Notes:

1.7 Air inlet system



02250248-768 R02

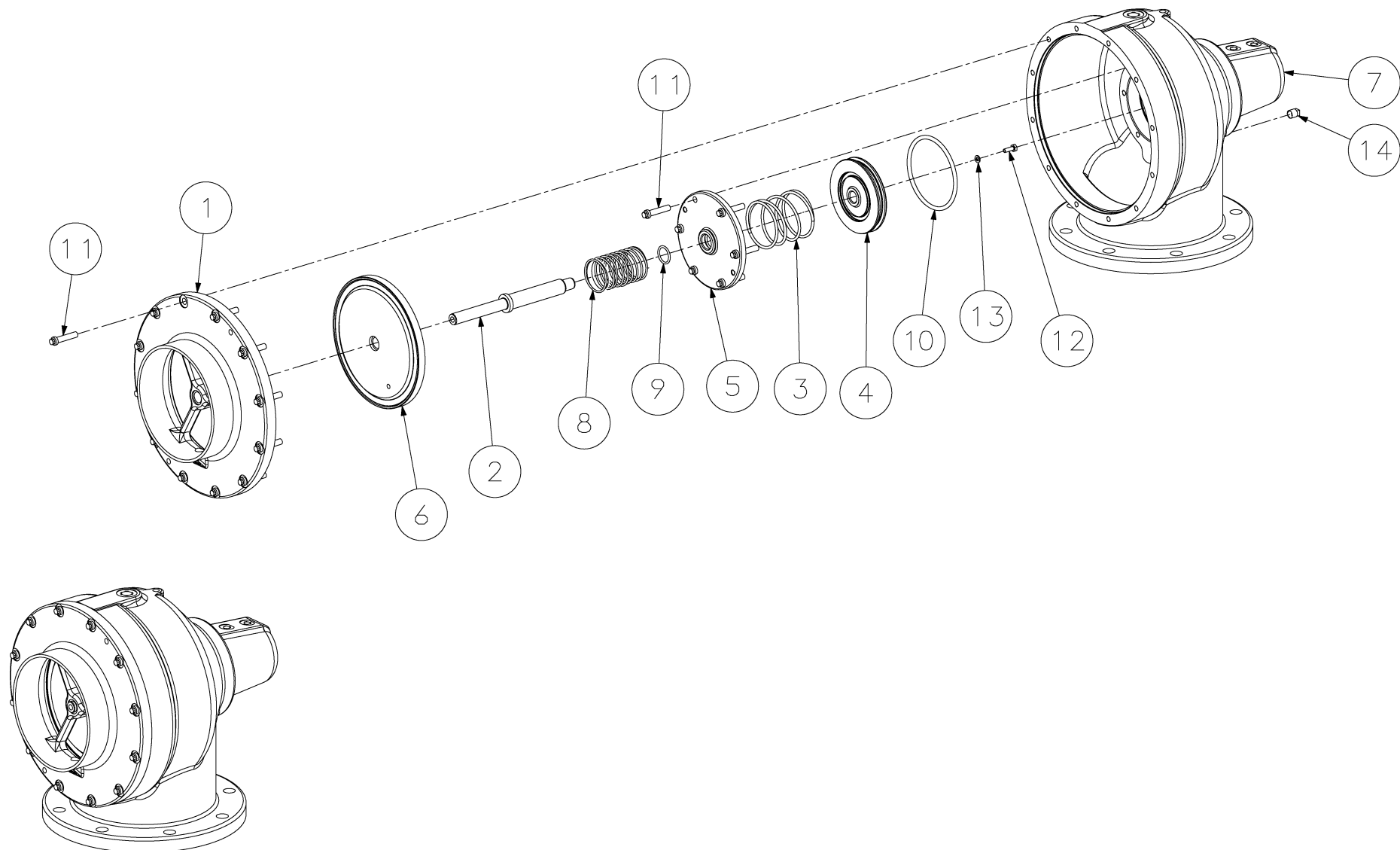
1.7 Air inlet system

Key	Part number	Qty	Description	Notes
1	02250044-538	3	CLAMP, T-BOLT SS BAND 7.50" ID	
2	02250044-615	1	ADAPTER, COMR INLT(02250044-618 C)	
3	02250045-989	1	HOSE, HUMP- STRAIGHT 5" ID	
4	02250052-920	1	ELBOW, RUB 90 X 7" (SHORT LEG)	
5	02250155-690	1	FILTER, AIR 18" 1600 FAMILY T3	
6	02250156-380	4	CLAMP, 18" AIR FILTER 1600 T3	
7	02250195-776	4	CLAMP, T-BOLT SS BAND 8.50"	
8	02250205-187	1	FILTER, AIR 18.00 1600F	
9	02250218-890	1	TUBE, ALUMINUM 8.00OD X 25.00 LG	
10	02250219-341	1	SUB ASSEMBLY, MODULAR, INLET VALVE NO 8"	
11	02250221-755	1	ELBOW, RUB 90 5" TO 7"	
12	02250221-759	1	TUBE, 1600 AIR INLET LP 20"	
13	02250221-760	1	TUBE, 1600 AIR INLET LP	
14	02250248-769	1	SENSOR, ENG AIR INTAKE TIER 4 PE	SHIP LOOSE
15	040422	1	GASKET, 11 X 8-5/8 X 1/32	
16	041079	1	GASKET, 1/16X10 1/2IDX13 1/40D	
17	043406	2	ELBOW, RUBBER 90DEG 8"	
18	1003-2682	2	FILTER, MALE 1/8-27 NPT OUTLINE	
19	1003-2719	2	SWITCH, VACUUM 25" H2O	
20	1003-5059	1	ELBOW, PIPE 45DG 1/8" 150 PLT	
21	250034-077	2	NUT, THIN HEX 3/4-10	
22	042324	3	CLAMP, T-BOLT SS BAND 5.50" ID	
23	828414-200	12	CAPSCREW, FERRY HEAD 7/8-9 X 2"	
24	829112-250	6	CAPSCREW, HEX GR5 3/4-10 X 2-1/2	
25	829706-075	8	SCREW, HX SER WASH 3/8 X 3/4"	
26	837812-188	8	WASHER, SPRLOCK REG PLTD 3/4"	
27	873812-030	2	STUD, THRD 3/4 X 3" PLT	

Drawing notes

A1	TO TURBO
A2	TO COMPRESSOR
A3	TO LIFT BAIL

1.8 Inlet valve



02250219-341 R07

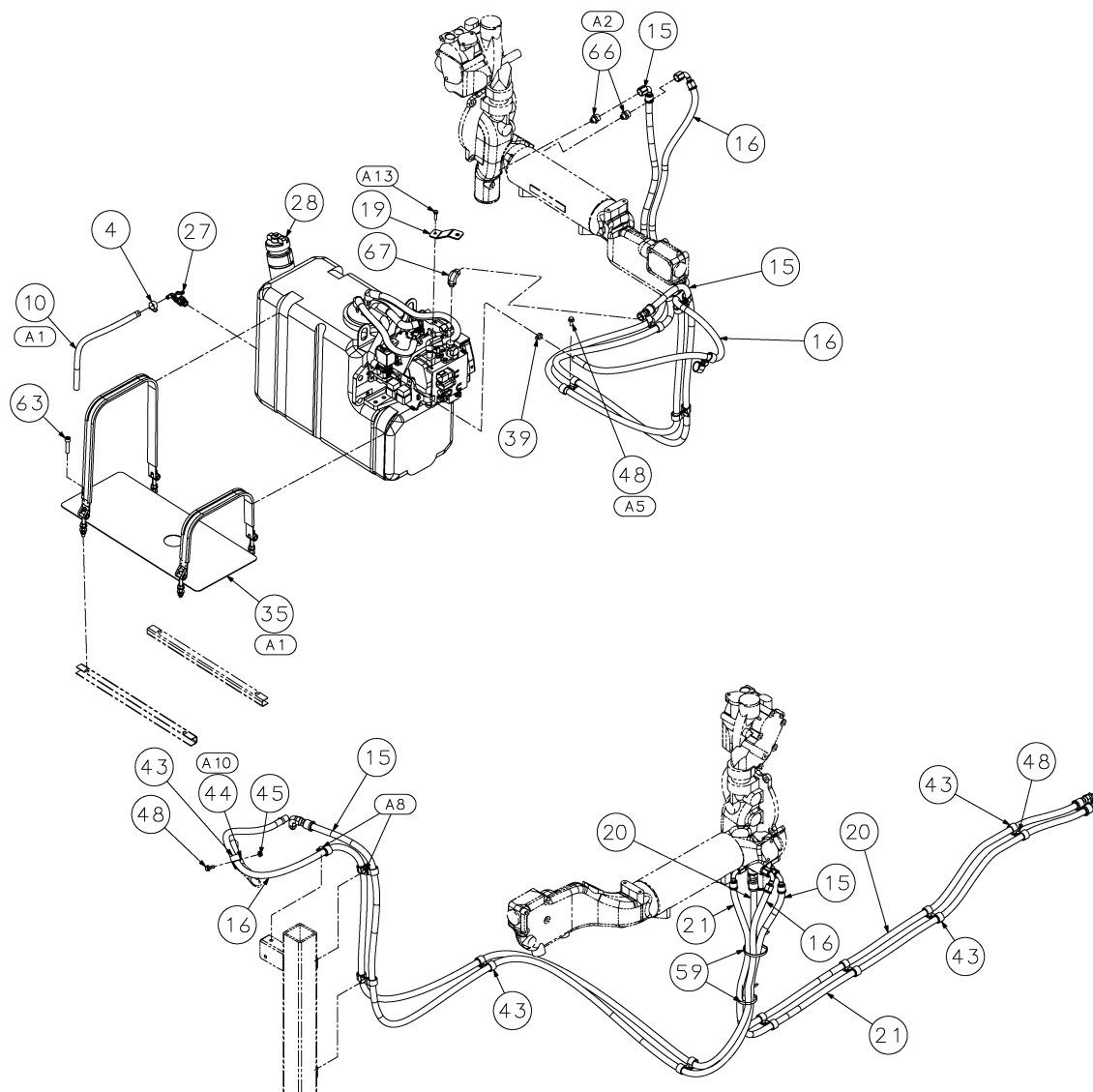
1.8 Inlet valve

Key	Part number	Qty	Description	Notes
1	02250048-491	1	COVER, ASSY 8" INLET VALVE	
2	02250139-188	1	SHAFT, 8" INLET VALVE	
3	02250219-445	1	SPRING,PISTON 8" INLET VLV	
4	02250219-469	1	PISTON,8" INLET VALVE	
5	02250219-470	1	COVER,8" INLET VALVE	
6	02250233-146	1	PLATE,ASSY FLOW CTL 8"VLV	
7	250042-276	1	HOUSING,BODY 8"VLV (250042-275 CT)	
8	250042-656	1	SPRING,COMP 2.61 LB	
9	826502-214	1	O-RING,VITON 1 X 1/8"	
10	826502-426	1	O-RING,VITON 4 5/8 X 1/4"	
11	828406-175	18	CAPSCREW,FERRY HEAD 3/8-16 X 1 3/4"	
12	829104-075	1	CAPSCREW,HEX GR5 1/4-20 X 3/4"	
13	837804-062	1	WASHER, SPRLOCK REG PLTD 1/4"	
14	866900-010	1	PLUG, PIPE 1/4" 3000# STL PLT	

Drawing notes

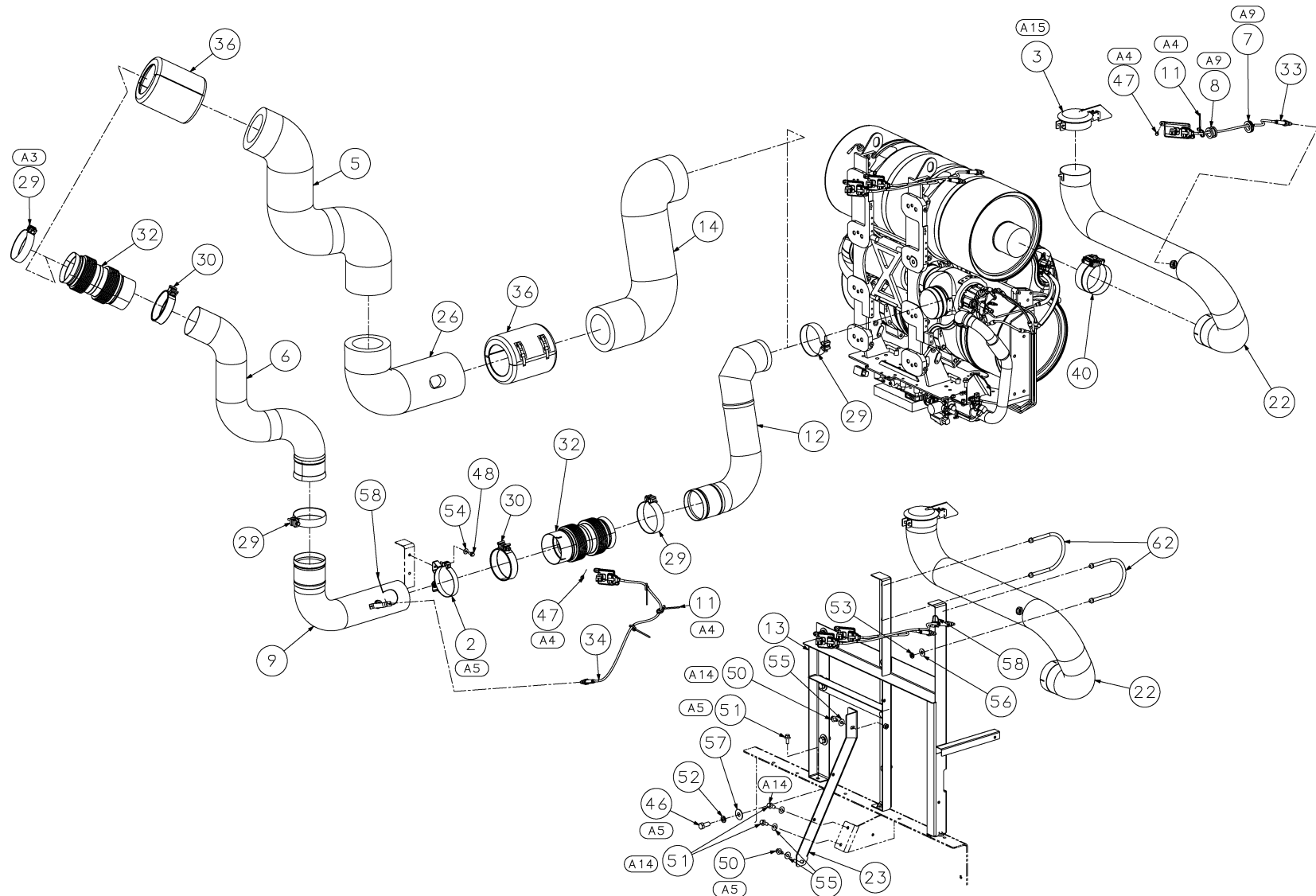
1	TORQUE GRADE 5 BOLTS PER SULLAIR SPEC. 005848 (A00-P-8) CONDITION B.	
	BOLT SIZE	TORQUE
	1/4-20	7.0 FT-LBS.
	3/8-16	27.0 FT-LBS.
	1/2-13	65.0 FT-LBS.
	5/8-11	130.0 FT-LBS.
	3/4-10	230.0 FT LBS.
2	APPLY ANTI-SEIZE TO BOLTS.	
3	LOCK WITH SULLAIR ADHESIVE #5910, COLOR CODE: PURPLE.	

1.9 Exhaust system



02250248-239 R01 (sh1)

1.9 Exhaust system



02250248-239 R01 (sh2)

1.9 Exhaust system

Key	Part number	Qty	Description	Notes
1	02250190-467	1	ELBOW,SILICONE 1.75" ID	
2	02250204-369	1	BAND,MOUNTING 5"	
3	02250210-393	1	CAP,RAIN 5" STAINLESS	
4	02250213-574	1	CLAMP,WRM DRV SAE 10	
5	02250219-657	1	WRAP,EXH 1600 CEM	
6	02250220-323	1	PIPE,EXHAUST TO CEM	
7	02250220-466	1	GROMMET,RUB 1.375X1.875X.1875	
8	02250220-467	1	GROMMET,RUB 1.375 X 1.75 X .5	
9	02250220-547	1	PIPE,EXHAUST TO CEM	
10	02250220-616	1	HOSE,DEF TRANSFER 3/8" ID	
11	02250221-086	4	WRAP,PUSH LOK TIE	
12	02250223-608	1	PIPE,EXHAUST TO CEM	
13	02250223-618	1	SUPPORT,BRACKET CEM MOUNT	
14	02250223-637	1	WRAP,EXHST PIPE 1600J	
15	02250223-662	1	HOSE,MP 13/32" ID X 120.5" OAL	
16	02250224-050	1	HOSE,MP 13/32" ID X 140.5" OAL	
17	02250224-067	1	HOSE,STR SILICONE 1.75" ID	
18	02250224-102	1	HOSE,MP 5/16" ID X 134.5" OAL	
19	02250224-111	1	SUPPORT,BRACKET DEF LINE 1600J	
20	02250224-144	1	HOSE,MP 13/32" ID X 93.5" OAL	
21	02250224-145	1	HOSE,MP 13/32" ID X 90" OAL	
22	02250225-012	1	PIPE,EXHST TAIL 5.0"	
23	02250226-037	1	SUPPORT,BRACKET CEM MOUNT	
24	02250227-001	1	PIPE,CEM TO CAC 1600	
25	02250227-002	1	SUPPORT,BRACKET CAC PIPE	
26	02250227-162	1	WRAP,EXHST PIPE 1600J	
27	02250227-362	1	VALVE,BALL DEF DRAIN 3/4-16	
28	02250247-086	1	TANK,DEF 12.7GAL PE W/PETU	SHIP LOOSE
29	02250248-219	4	CLAMP,BAND BALL JOINT 5" CAT	SHIP LOOSE

1.9 Exhaust system

Key	Part number	Qty	Description	Notes
30	02250248-220	2	CLAMP,BAND 5" FLAT CAT	SHIP LOOSE
31	02250248-221	1	HOSE,ASSY DEF LINE	SHIP LOOSE
32	02250248-222	2	JOINT,EXPANSION 5" BELLOWS CAT	SHIP LOOSE
33	02250248-230	1	SENSOR,NOX 15L T4F TAIL	SHIP LOOSE
34	02250248-231	1	SENSOR,NOX 15L T4F TURBO	SHIP LOOSE
35	02250248-232	1	STRAP,ASSY DEF TANK	SHIP LOOSE
36	02250248-235	2	WRAP,BLANKET CEM BELLOWS	SHIP LOOSE
37	02250248-236	1	ENGINE EXHAUST SYSTEM,PE15 T4F	SHIP LOOSE
38	040083	4	CLAMP, HOSE 1 13/16 - 2 3/4ADJ	
39	043197	1	CLAMP, HOSE 1/2"	
40	241260	1	CLAMP,SEAL 5"	
41	250025-635	13	CLAMP, TUBE RUBR CTD 7/8" DIA	
42	408300-003	5	CLAMP, HOSE O.D. .750	
43	408300-004	18	CLAMP, HOSE O.D. .875	
44	408300-005	1	CLAMP, HOSE O.D. 1.062	
45	825305-283	1	NUT, HEX FLGD PLTD 5/16-18	
46	829216-035	8	CAPSCREW,HEX 10.9 M16 X 35MM	
47	829704-075	4	SCREW, HX SER WASH 1/4 X 3/4"	
48	829705-075	28	SCREW, HX SER WASH 5/16 X 3/4"	
49	829705-100	2	SCREW, HX SER WASH 5/16 X 1"	
50	829707-075	2	SCREW, HEX SER WASH 7/16X3/4"	
51	829707-100	5	SCREW, HEX SER WASH 7/16 X 1"	
52	837810-156	8	WASHER, SPRLOCK REG PLTD 5/8"	
53	838008-125	4	WASHER, SPRLOCK REG PLTD 1/2"	
54	838205-071	2	WASHER,PL-B REG PLTD 5/16	
55	838207-071	4	WASHER, PL-B REG PLTD 7/16"	
56	838208-112	4	WASHER, PL-B REG PLTD 1/2"	
57	838210-112	8	WASHER, PL-B REG PLTD 5/8"	
58	843201-023	2	WRAP, TIE NYLON TY23MX	

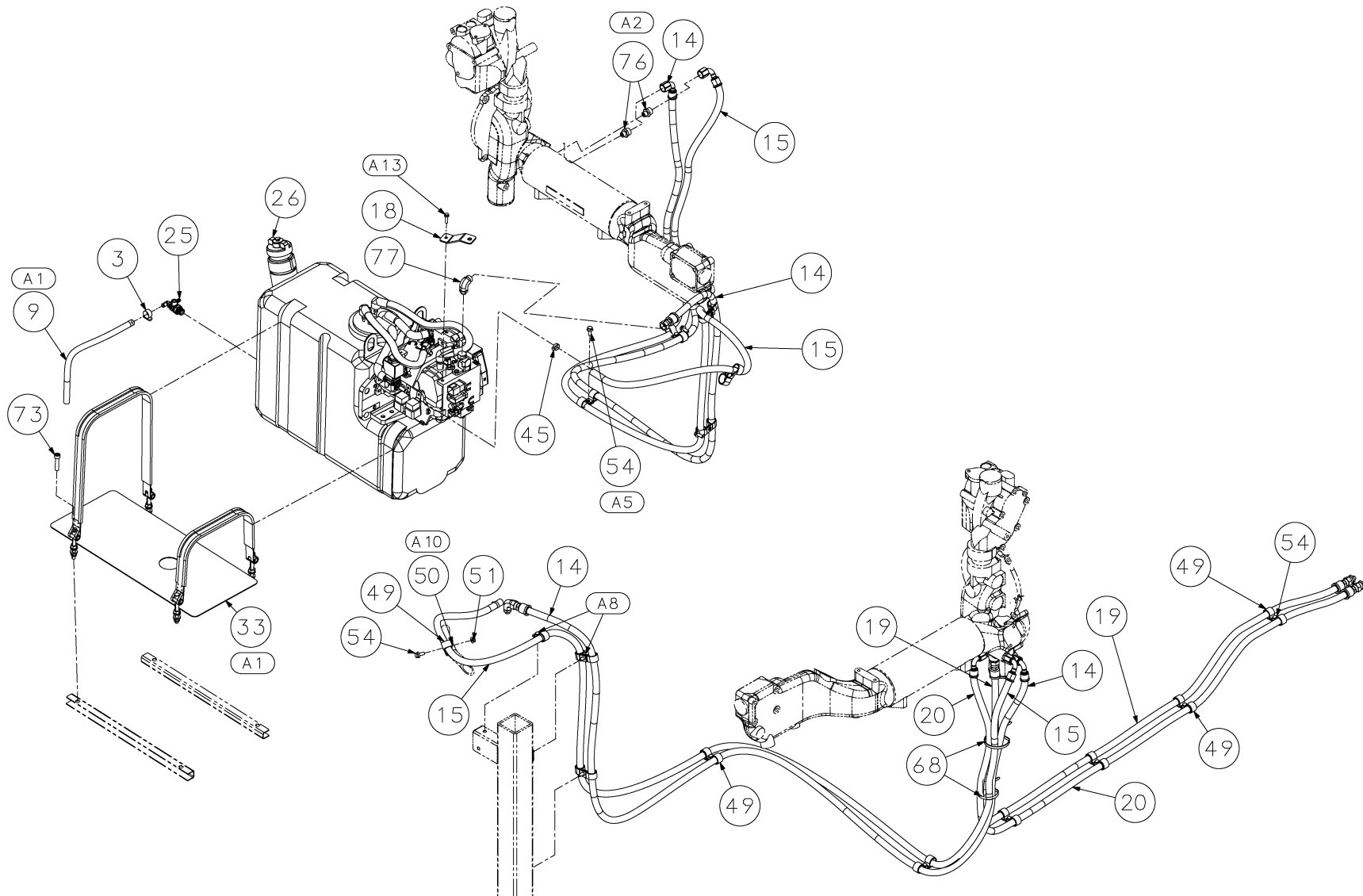
1.9 Exhaust system

Key	Part number	Qty	Description	Notes
59	843201-027	3	WRAP, TIE NYLON TY27MX	
60	843201-272	1	WRAP, TIE NYLON TY272MX	
61	868305-125	1	U-BOLT, 5/16 X 1 1/4" PIPE PLT	
62	868308-500	2	U-BOLT, 1/2 X 5" PIPE PLTD	
63	874510-045	4	SCREW, SOCKET ISO M10X45MM PC 12.9	
64	884406-056	1	CONNECTOR, STR THD/ORFS 9/16 X 3/8	
65	884408-025	2	CONNECTOR, STR THD/ORFS 7/16 X 1/2	
66	884408-056	4	CONNECTOR, STR THD/ORFS 9/16 X 1/2	
67	888708-056	1	ELBOW, ST THD/ORFS 9/16 X 1/2	

Drawing notes

A1	TO FUEL TANK (CURB SIDE)
A2	TO ENGINE WATER PUMP
A3	TO ENGINE DIFFUSER
A4	TO COOLING FAN SHROUD
A5	TO FRAME
A6	TO ENGINE FUEL FILTER
A7	TO COOLING CHARGER
A8	TO LIFT BAIL SUPPORT
A9	TO COOLER SUPT BRKT
A10	TO FUEL HOSE
A11	WRAP TO FUEL BREATHER HOSE
A12	WRAP TO DEF HOSE
A13	USE EXISTING BOLT FROM DEF TANK
A14	BOLTS TO BE LOCKED WITH MEDIUM STRENGTH SCREW LOCK ADHESIVE PER SULLAIR ENG. SPEC #005898; COLOR CODE BLUE.
A15	ORIENT AS SHOWN

1.10 Exhaust system with aftercooled/filtered condensate management system



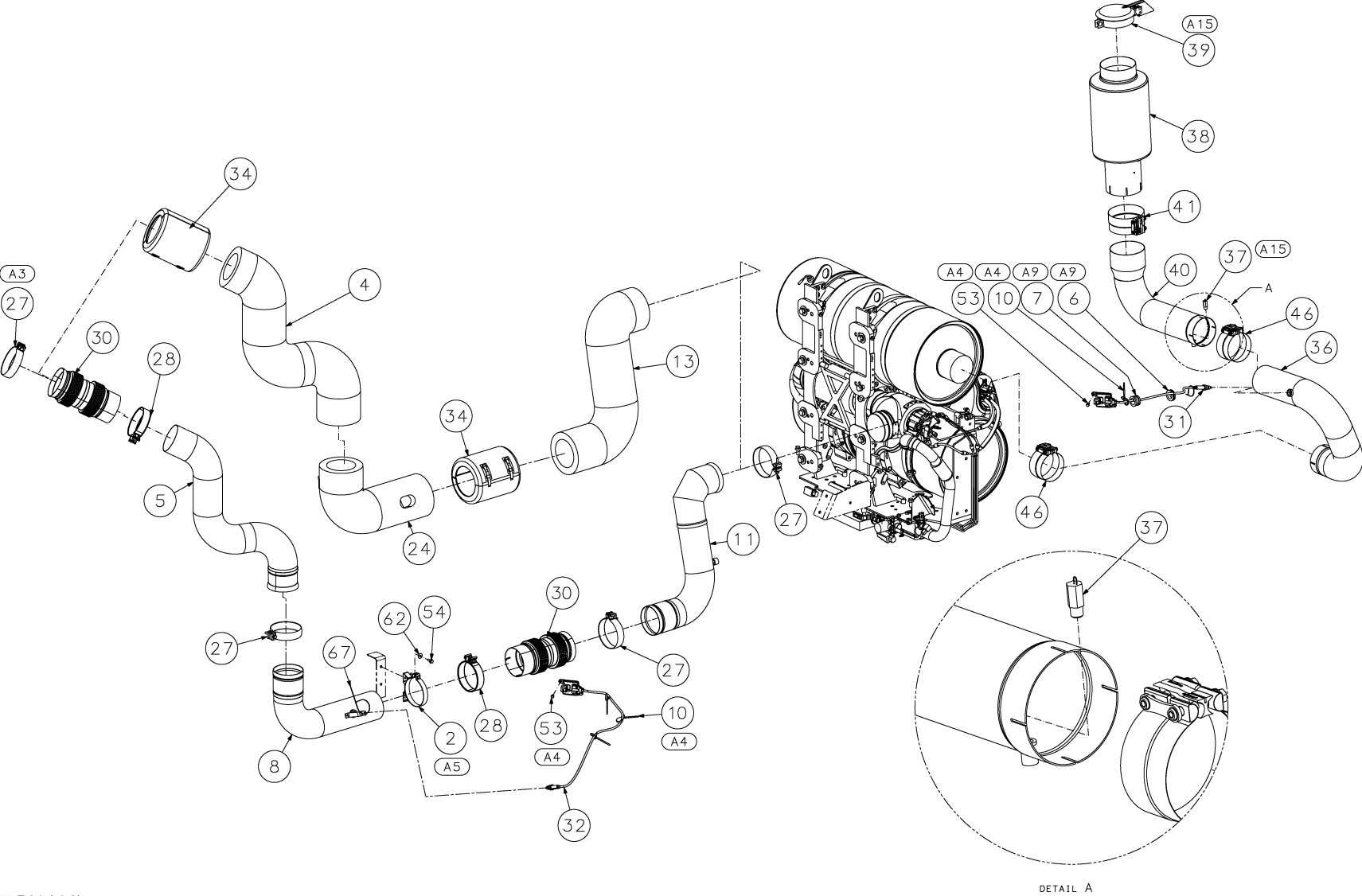
02250259-775 R01 (sh1)



SULLAIR®

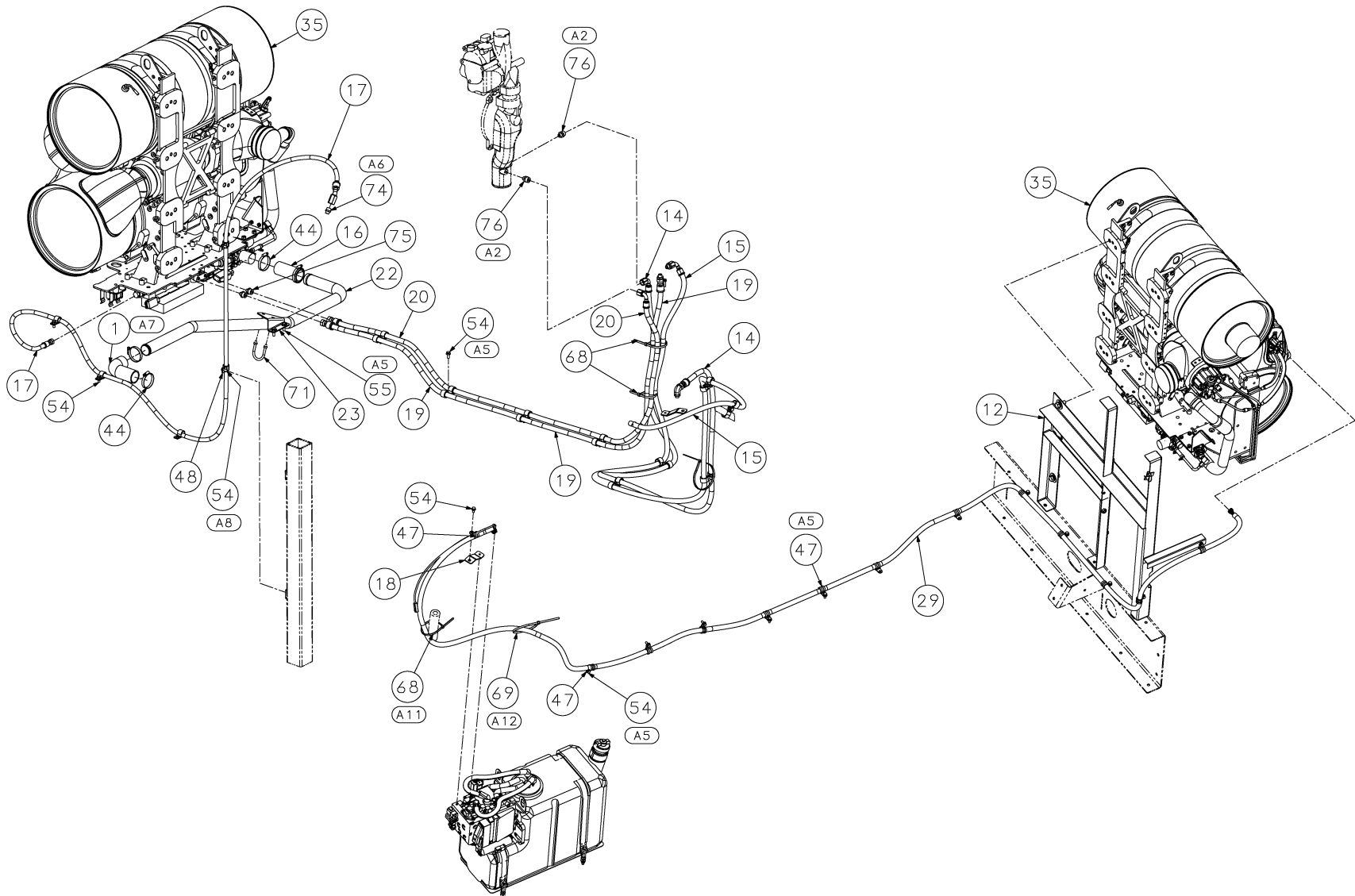
02250248-732 R04
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.10 Exhaust system with aftercooled/filtered condensate management system



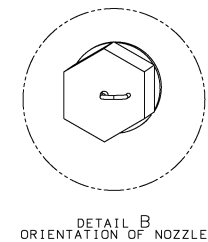
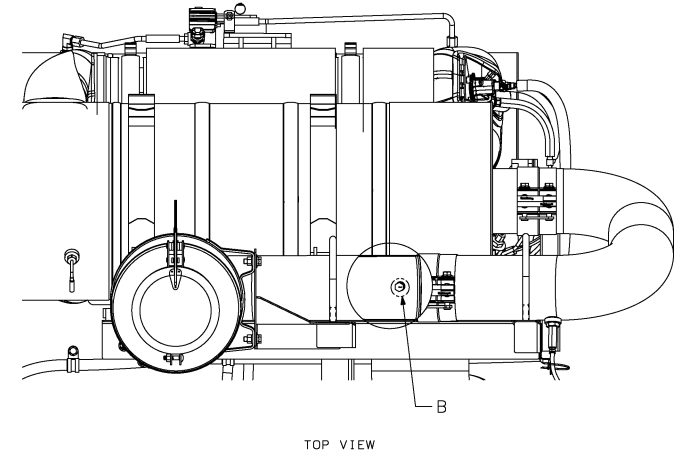
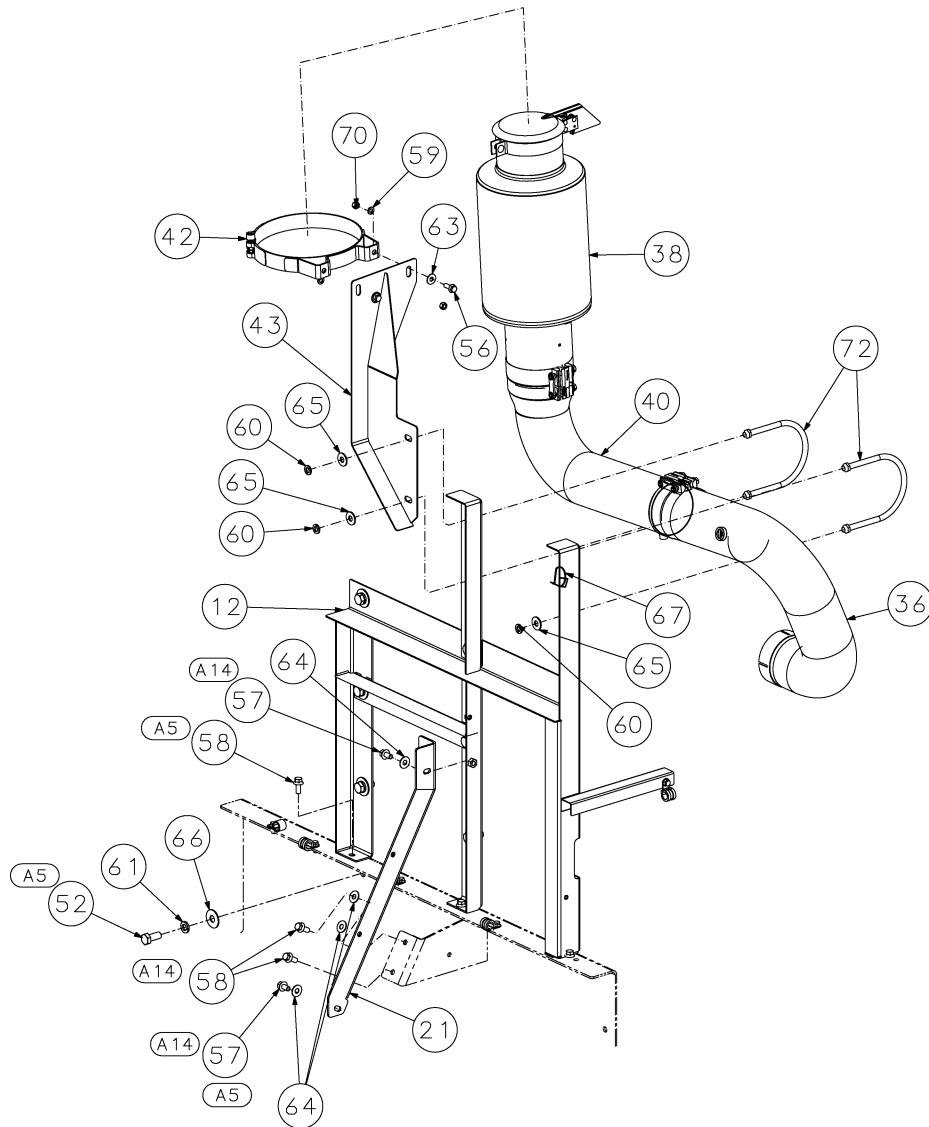
02250259-775 R01 (sh2)

1.10 Exhaust system with aftercooled/filtered condensate management system



02250259-775 R01 (sh3)

1.10 Exhaust system with aftercooled/filtered condensate management system



02250259-775 R01 (sh4)

1.10 Exhaust system with aftercooled/filtered condensate management system

Key	Part number	Qty	Description	Notes
1	02250190-467	1	ELBOW,SILICONE 1.75" ID	
2	02250204-369	1	BAND,MOUNTING 5"	
3	02250213-574	1	CLAMP,WRM DRV SAE 10	
4	02250219-657	1	WRAP,EXH 1600 CEM	
5	02250220-323	1	PIPE,EXHAUST TO CEM	
6	02250220-466	1	GROMMET,RUB 1.375X1.875X.1875	
7	02250220-467	1	GROMMET,RUB 1.375 X 1.75 X .5	
8	02250220-547	1	PIPE,EXHAUST TO CEM	
9	02250220-616	1	HOSE,DEF TRANSFER 3/8" ID	
10	02250221-086	4	WRAP,PUSH LOK TIE	
11	02250223-608	1	PIPE,EXHAUST TO CEM	
12	02250223-618	1	SUPPORT,BRACKET CEM MOUNT	
13	02250223-637	1	WRAP,EXHST PIPE 1600J	
14	02250223-662	1	HOSE,MP 13/32" ID X 120.5" OAL	
15	02250224-050	1	HOSE,MP 13/32" ID X 140.5" OAL	
16	02250224-067	1	HOSE,STR SILICONE 1.75" ID	
17	02250224-102	1	HOSE,MP 5/16" ID X 134.5" OAL	
18	02250224-111	1	SUPPORT,BRACKET DEF LINE 1600J	
19	02250224-144	1	HOSE,MP 13/32" ID X 93.5" OAL	
20	02250224-145	1	HOSE,MP 13/32" ID X 90" OAL	
21	02250226-037	1	SUPPORT,BRACKET CEM MOUNT	
22	02250227-001	1	PIPE,CEM TO CAC 1600	
23	02250227-002	1	SUPPORT,BRACKET CAC PIPE	
24	02250227-162	1	WRAP,EXHST PIPE 1600J	
25	02250227-362	1	VALVE,BALL DEF DRAIN 3/4-16	
26	02250247-086	1	TANK,DEF 12.7GAL PE W/PETU	SHIPPED LOOSE
27	02250248-219	4	CLAMP,BAND BALL JOINT 5" CAT	SHIPPED LOOSE
28	02250248-220	2	CLAMP,BAND 5" FLAT PE	SHIPPED LOOSE
29	02250248-221	1	HOSE,ASSY DEF LINE	SHIPPED LOOSE

1.10 Exhaust system with aftercooled/filtered condensate management system

Key	Part number	Qty	Description	Notes
30	02250248-222	2	JOINT,EXPANSION 5" BELLOWS CAT	SHIPPED LOOSE
31	02250248-230	1	SENSOR,NOX 15L T4F TAIL	SHIPPED LOOSE
32	02250248-231	1	SENSOR,NOX 15L T4F TURBO	SHIPPED LOOSE
33	02250248-232	1	STRAP,ASSY DEF TANK	SHIPPED LOOSE
34	02250248-235	2	WRAP,BLANKET CEM BELLOWS	SHIPPED LOOSE
35	02250248-236	1	ENGINE EXHAUST SYSTEM,PE15 T4F	SHIPPED LOOSE
36	02250250-766	1	PIPE,EXHST 5.0"	
37	02250250-769	1	NOZZLE,1/4" NPT	
38	02250253-949	1	MUFFLER,RESONATOR 1600J	
39	02250253-950	1	CAP,RAIN 6" STAINLESS	
40	02250253-970	1	PIPE,EXHST TAIL 5.0" OD	
41	02250253-973	1	CLAMP,SEAL STEP 6"	
42	02250253-993	1	BAND,EXH MUF 10" OD	
43	02250253-996	1	SUPPORT,BRACKET MUFFLER	
44	040083	4	CLAMP, HOSE 1 13/16 - 2 3/4"ADJ	
45	043197	1	CLAMP, HOSE 1/2"	
46	241260	2	CLAMP,SEAL 5"	
47	250025-635	13	CLAMP, TUBE RUBR CTD 7/8" DIA	
48	408300-003	5	CLAMP, HOSE O.D. .750	
49	408300-004	18	CLAMP, HOSE O.D. .875	
50	408300-005	1	CLAMP, HOSE O.D. 1.062	
51	825305-283	1	NUT, HEX FLGD PLTD 5/16-18	
52	829216-035	8	CAPSCREW,HEX 10.9 M16 X 35MM	
53	829704-075	4	SCREW, HX SER WASH 1/4 X 3/4"	
54	829705-075	28	SCREW, HX SER WASH 5/16 X 3/4"	
55	829705-100	2	SCREW, HX SER WASH 5/16 X 1"	
56	829706-100	2	SCREW, HX SER WASH 3/8 X 1"	
57	829707-075	2	SCREW, HEX SER WASH 7/16X3/4"	
58	829707-100	5	SCREW, HEX SER WASH 7/16 X 1"	

1.10 Exhaust system with aftercooled/filtered condensate management system

Key	Part number	Qty	Description	Notes
59	837806-094	2	WASHER,SPRLOCK REG PLTD 3/8	
60	837808-125	4	WASHER, SPRLOCK REG PLTD 1/2"	
61	837810-156	8	WASHER, SPRLOCK REG PLTD 5/8"	
62	838205-071	2	WASHER,PL-B REG PLTD 5/16	
63	838206-071	2	WASHER,PL-B REG PLTD 3/8	
64	838207-071	4	WASHER, PL-B REG PLTD 7/16"	
65	838208-112	4	WASHER, PL-B REG PLTD 1/2"	
66	838210-112	8	WASHER, PL-B REG PLTD 5/8"	
67	843201-023	2	WRAP, TIE NYLON TY23MX	
68	843201-027	3	WRAP, TIE NYLON TY27MX	
69	843201-272	1	WRAP, TIE NYLON TY272MX	
70	866506-337	2	NUT, HEX 3/8-16 PLT	
71	868305-125	1	U-BOLT, 5/16 X 1 1/4" PIPE PLT	
72	868308-500	2	U-BOLT, 1/2 X 5" PIPE PLTD	
73	874510-045	4	SCREW,SOCKET ISO M10X45MM PC 12.9	
74	884406-056	1	CONNECTOR,STR THD/ORFS 9/16 X 3/8	
75	884408-025	2	CONNECTOR,STR THD/ORFS 7/16 X 1/2	
76	884408-056	4	CONNECTOR,STR THD/ORFS 9/16 X 1/2	
77	888708-056	1	ELBOW,ST THD/ORFS 9/16 X 1/2	

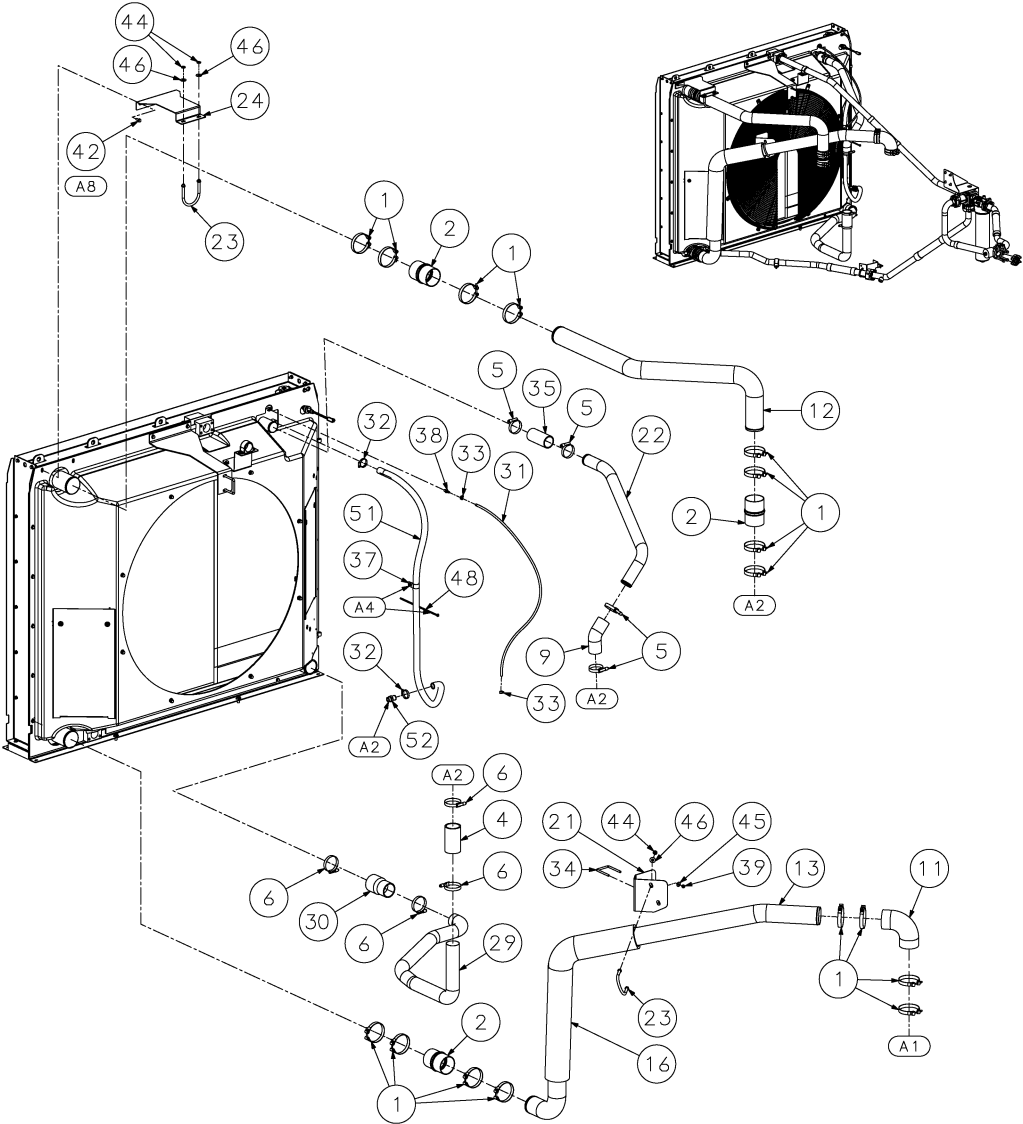
Drawing notes

A1	TO FUEL TANK (CURB SIDE)
A2	TO ENGINE WATER PUMP
A3	TO ENGINE DIFFUSER
A4	TO COOLING FAN SHROUD
A5	TO FRAME
A6	TO ENGINE FUEL FILTER
A7	TO CHARGE AIR COOLER
A8	TO LIFT BAIL SUPPORT
A9	TO COOLER SUPT BRKT

1.10 Exhaust system with aftercooled/filtered condensate management system

Key	Part number	Qty	Description	Notes
A10	TO FUEL HOSE			
A11	WRAP TO FUEL BREATHER HOSE			
A12	WRAP TO DEF HOSE			
A13	USE EXISTING BOLT FROM DEF TANK			
A14	BOLTS TO BE LOCKED WITH MEDIUM STRENGTH SCREW LOCK ADHESIVE PER SULLAIR ENG. SPEC #005898; COLOR CODE BLUE.			
A15	ORIENT AS SHOWN			

1.11 Cooling system

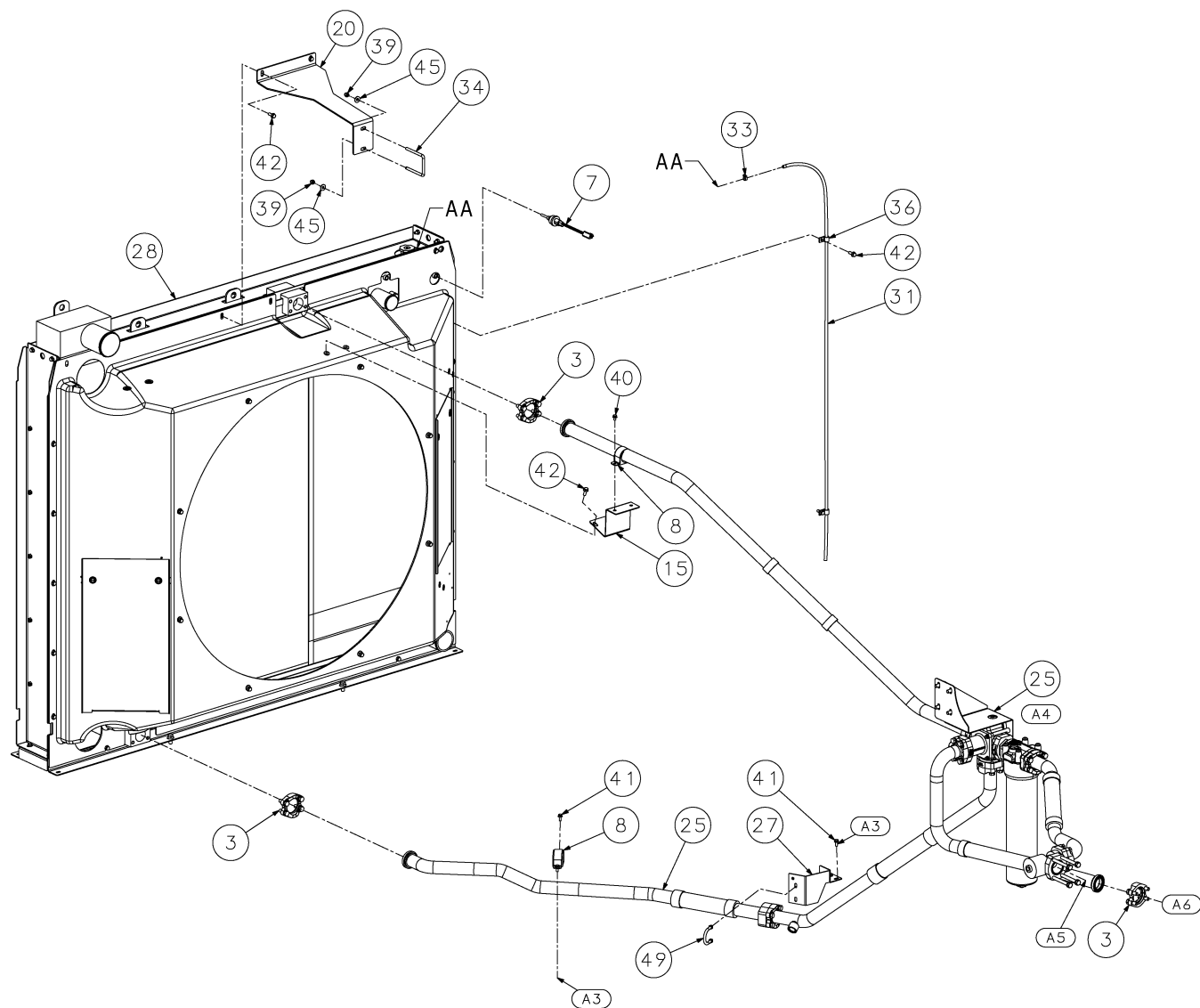


02250223-547 R09 (sh1)



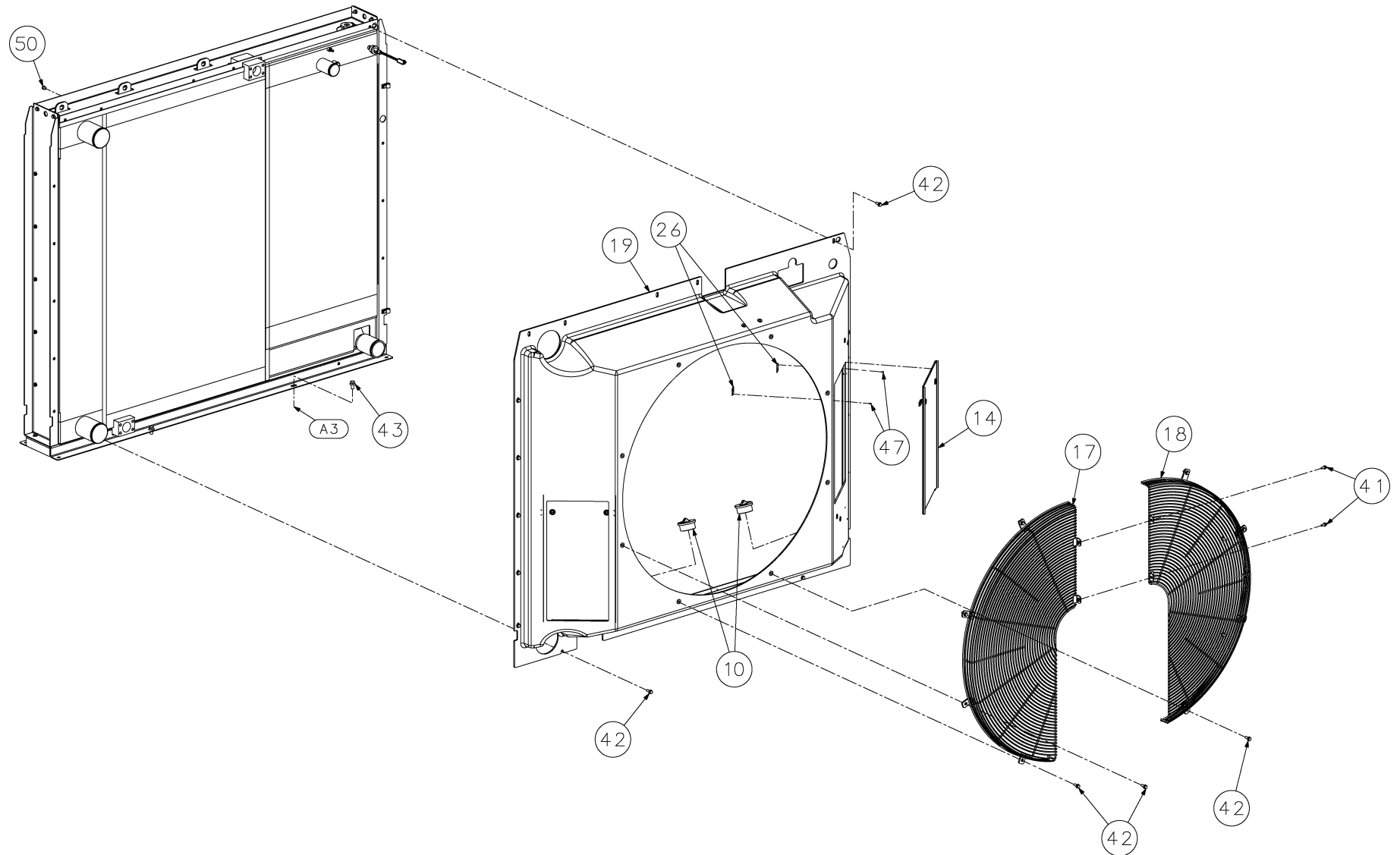
02250248-732 R04
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.11 Cooling system



02250223-547 R09 (sh2)

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1.11 Cooling system

Key	Part number	Qty	Description	Notes
1	02250084-842	16	CLAMP, T-BOLT SS BAND 4.50" ID	
2	02250085-094	3	HOSE,BELLOW CHRGE AIR 4X6 LG	
3	02250099-415	3	FLANGE,KITSAE SPLT 2" - VITON	
4	02250121-239	1	HOSE,RAD 3.00"ID CAT PER/FT	
5	02250138-968	4	CLAMP,HOSE CONST TORQUE 57-79	
6	02250138-969	4	CLAMP,HOSE CONST TORQUE 70-92	
7	02250165-908	1	SENSOR,ENGINE COOLANT CAT	
8	02250186-767	2	CLAMP,MTG W/CUSHION 2" TUBE	
9	02250196-866	1	ELBOW, CAC 2.5ID X 45DEG COLD	
10	02250212-276	2	PLUG, FRAME DRAIN HOLE	
11	02250219-305	1	ELBOW,CAC 90D 4.ID	
12	02250219-586	1	TUBE,STEEL CAC 1600	
13	02250219-587	1	TUBE,STEEL CAC 1600	
14	02250219-818	2	PANEL,COOLER ACCESS 1600J	
15	02250219-928	1	SUPPORT,BRACKET UPPER RAD OIL 1600J	
16	02250220-742	1	WRAP,BLANKET CAC PIPE 1600J	
17	02250220-953	1	GUARD,FAN 1600J CS	
18	02250220-954	1	GUARD,FAN 1600J SS	
19	02250221-469	1	SHROUD,FAN 51 1600J	
20	02250222-510	1	SUPPORT,BRACE CLR PACK 1600J	
21	02250222-595	1	SUPPORT,BRACKET LOWER CAC 1600J	
22	02250222-600	1	TUBE,STEEL UPPER RAD 1600	
23	02250223-512	2	U-BOLT,1/2" X 3 1/2" PIPE PLTD	
24	02250223-517	1	SUPPORT,BRACKET CAC PIPE	
25	02250223-553	1	SUB ASSEMBLY,MODULAR,OIL LINES 1600	
26	02250223-576	4	PLATE,STRIKE	
27	02250224-002	1	SUPPORT,BRACKET COOLING LP	
28	02250225-206	1	SUB ASSEMBLY,MODULAR,CLR PK 1600J LP	
29	02250225-335	1	TUBING,STEEL LOWER RAD 1600	
30	02250226-762	1	HOSE,RAD 3.5" X 3.0" X 6.0"	

1.11 Cooling system

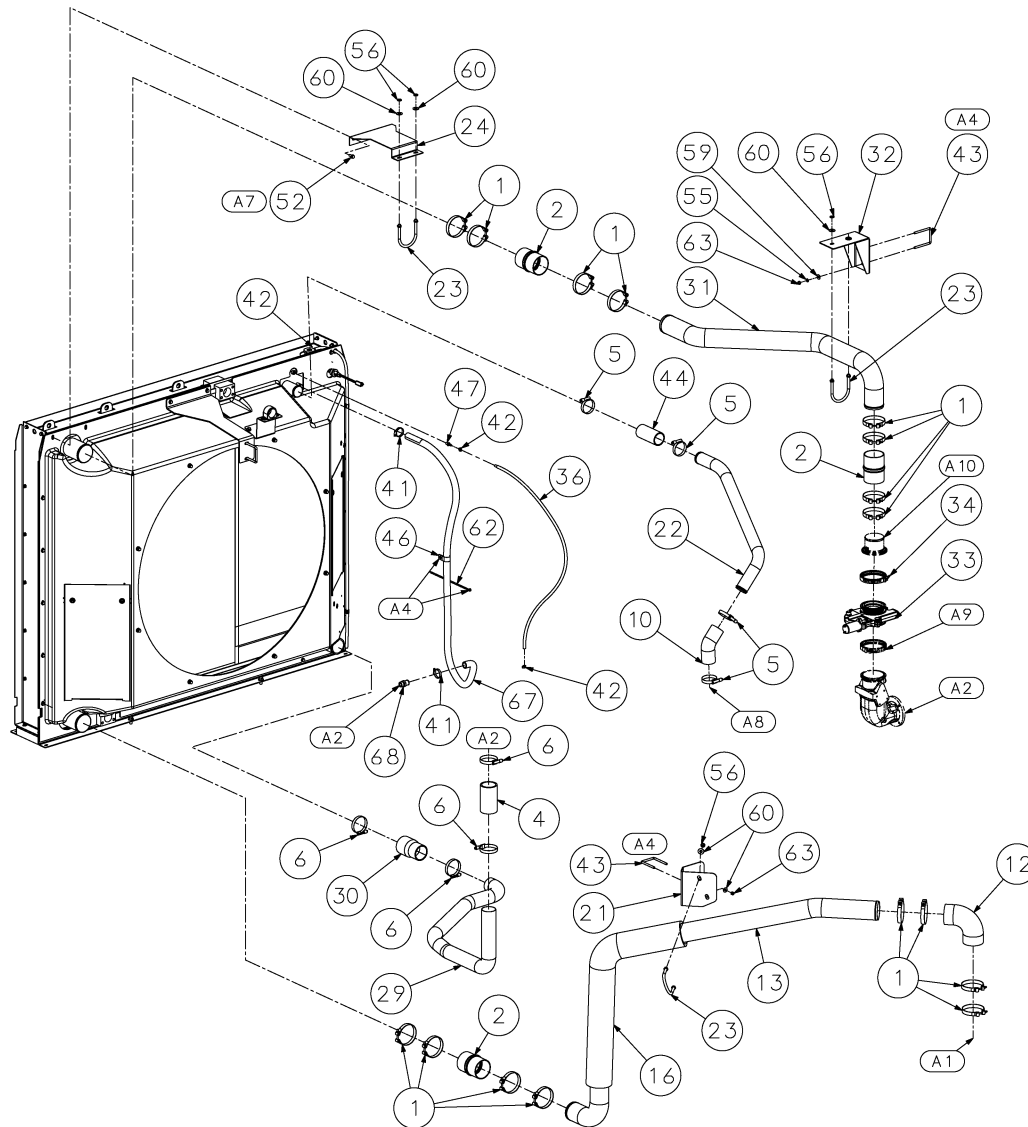
Key	Part number	Qty	Description	Notes
31	02250259-650	11	HOSE,HEATER 5/16(FT)	FOOT
32	040014	2	CLAMP, HOSE 1 5/16 TO 2 1/4ADJ	
33	047235	3	CLAMP, HOSE 3/8"	
34	250008-322	2	U-BOLT, HOSE REEL MNT 3" SQ	
35	407749	1	HOSE, RAD UPPER 2 1/2 X 6"	
36	408300-001	2	CLAMP, HOSE O.D. .562	
37	408300-006	1	CLAMP, HOSE O.D. 1.250	
38	043258	1	CONNECTOR,BARB 5/16 HOSE X 1/4 NPT	
39	825506-198	4	NUT, HEX LOCKING PLTD 3/8-16	
40	829705-050	2	SCREW, HX SER WASH 5/16 X 1/2"	
41	829705-075	6	SCREW, HX SER WASH 5/16 X 3/4"	
42	829706-100	27	SCREW, HX SER WASH 3/8 X 1"	
43	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
44	837808-125	4	WASHER, SPRLOCK REG PLTD 1/2"	
45	838206-071	4	WASHER,PL-B REG PLTD 3/8"	
46	838208-112	4	WASHER,PL-B REG PLTD 1/2"	
47	843102-038	8	RIVET, POP 1/8 X 3/8"	
48	843201-027	1	WRAP, TIE NYLON TY27MX	
49	868306-150	1	U-BOLT 3/8 X 1 1/2" PIPE PLT	
50	875706-056	1	PLUG,STR THD HOL HX 9/16-18	
51	886117-100	8	HOSE,HTR HEAVY WALL 1 (FT)	FOOT
52	886216-106	1	ADAPTER,1" HOSEX 1 1/16 SAE STR	

Drawing notes

A1	TO ENGINE TURBO INLET
A2	TO ENGINE
A3	TO FRAME
A4	TO LIFTING BAIL
A5	TO COMPRESSOR
A6	TO RECEIVER TANK
A8	TO FAN SHROUD

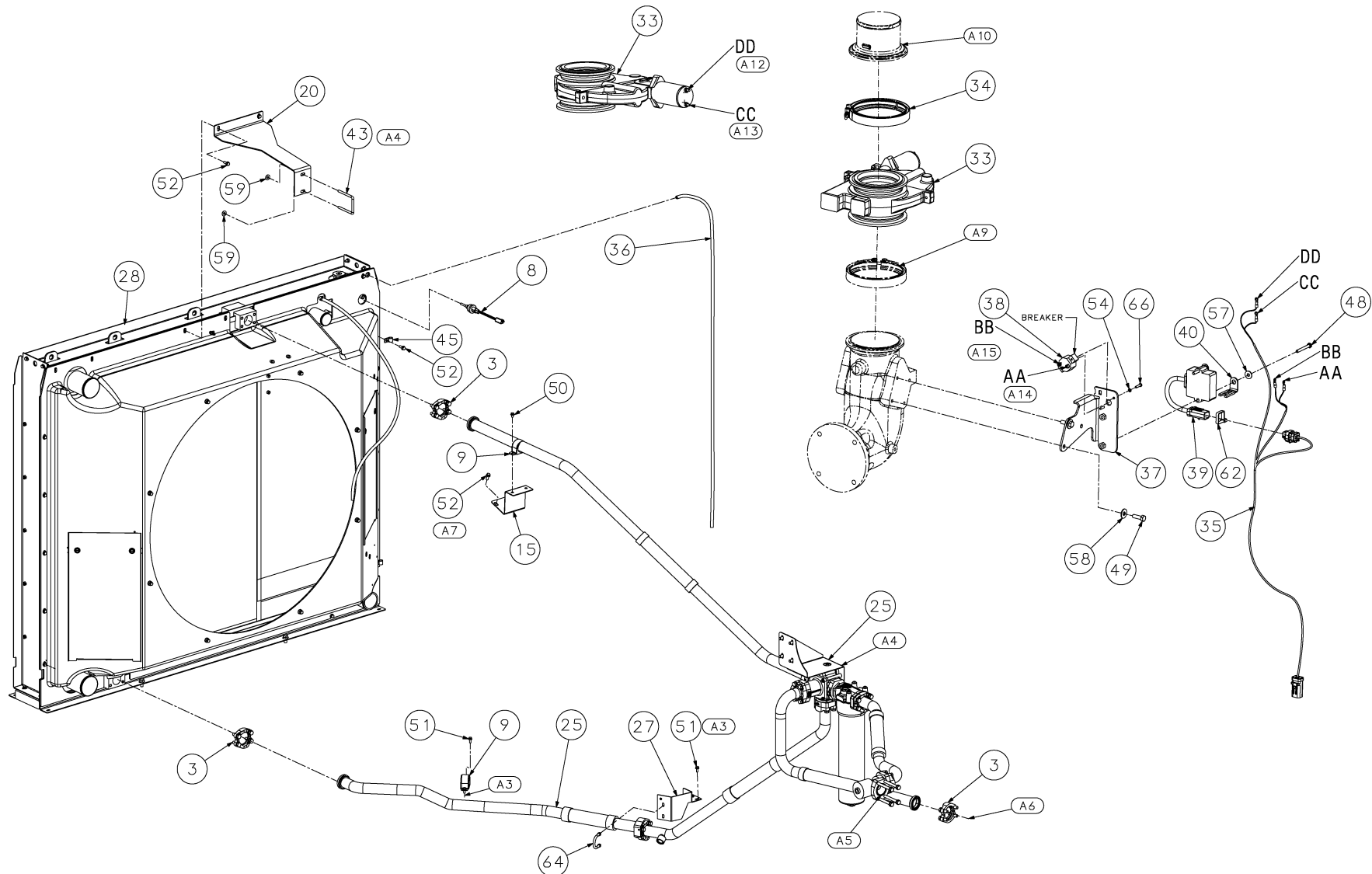
Notes:

1.12 Cooling system (with optional engine air inlet shut off)



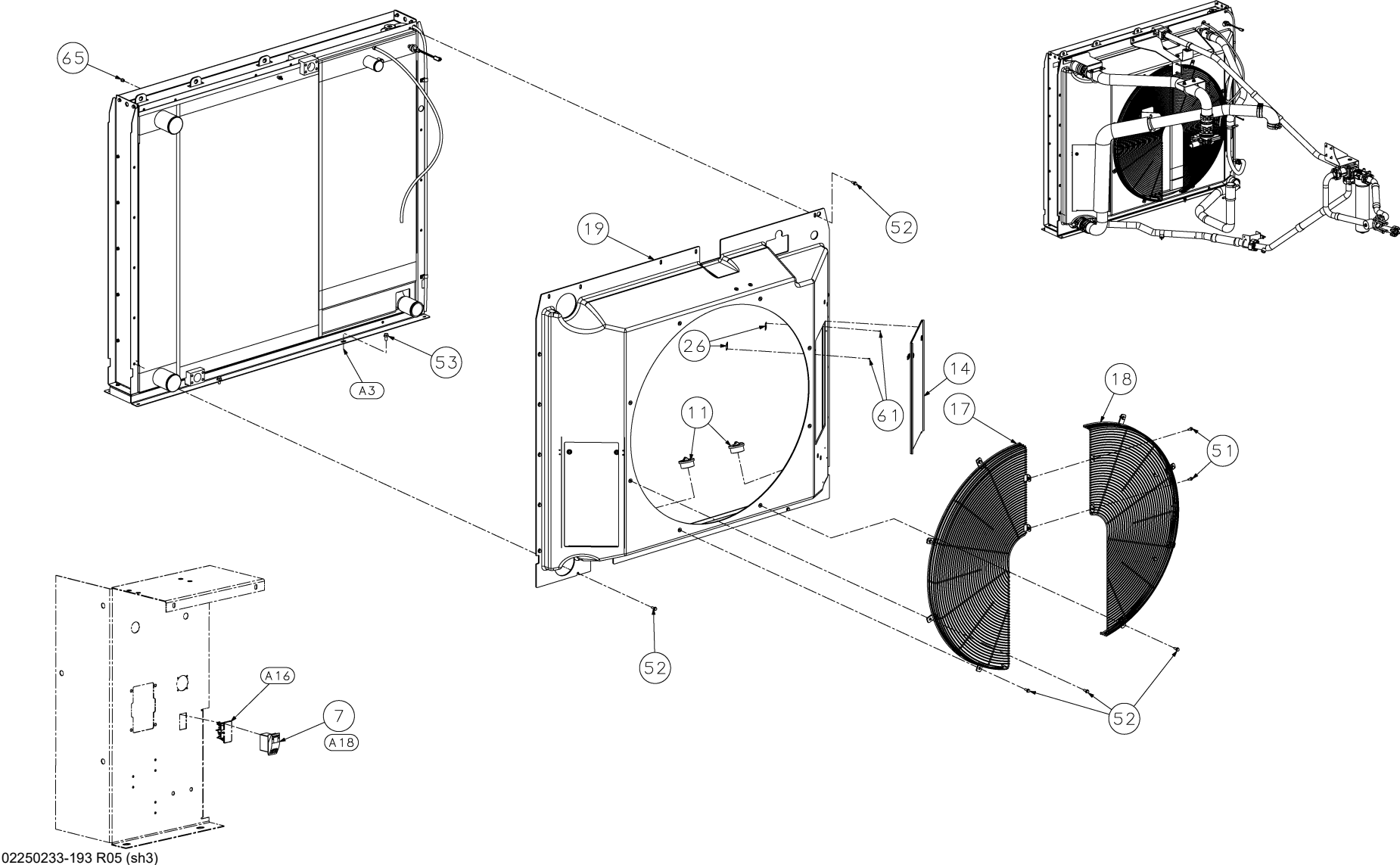
02250233-193 R05 (sh1)

1.12 Cooling system (with optional engine air inlet shut off)



02250233-193 R05 (sh2)

1.12 Cooling system (with optional engine air inlet shut off)



02250233-193 R05 (sh3)



1.12 Cooling system (with optional engine air inlet shut off)

Key	Part number	Qty	Description	Notes
1	02250084-842	16	CLAMP, T-BOLT SS BAND 4.50" ID	
2	02250085-094	3	HOSE,BELLOW CHRGR AIR 4X6 LG	
3	02250099-415	3	FLANGE,KITSAE SPLT 2" - VITON	
4	02250121-239	1	HOSE,RAD 3.00"ID CAT PER/FT	
5	02250138-968	4	CLAMP,HOSE CONST TORQUE 57-79	
6	02250138-969	4	CLAMP,HOSE CONST TORQUE 70-92	
7	02250141-141	1	SWITCH,HI/LO CMACS CONTROLS	
8	02250165-908	1	SENSOR,ENGINE COOLANT CAT	
9	02250186-767	2	CLAMP,MTG W/CUSHION 2" TUBE	
10	02250196-866	1	ELBOW, CAC 2.5ID X 45DEG COLD	
11	02250212-276	2	PLUG, FRAME DRAIN HOLE	
12	02250219-305	1	ELBOW,CAC 90D 4.ID	
13	02250219-587	1	TUBE,STEEL CAC 1600	
14	02250219-818	2	PANEL,COOLER ACCESS 1600J	
15	02250219-928	1	SUPPORT,BRACKET UPPER RAD OIL 1600J	
16	02250220-742	1	WRAP,BLANKET CAC PIPE 1600J	
17	02250220-953	1	GUARD,FAN 1600J CS	
18	02250220-954	1	GUARD,FAN 1600J SS	
19	02250221-469	1	SHROUD,FAN 51 1600J	
20	02250222-510	1	SUPPORT,BRACE CLR PACK 1600J	
21	02250222-595	1	SUPPORT,BRACKET LOWER CAC 1600J	
22	02250222-600	1	TUBE,STEEL UPPER RAD 1600	
23	02250223-512	3	U-BOLT,1/2" X 3 1/2" PIPE PLTD	
24	02250223-517	1	SUPPORT,BRACKET CAC PIPE	
25	02250223-553	1	SUB ASSEMBLY,MODULAR,OIL LINES 1600	
26	02250223-576	4	PLATE,STRIKE	
27	02250224-002	1	SUPPORT,BRACKET COOLING LP	
28	02250225-206	1	SUB ASSEMBLY,MODULAR,CLR PK 1600J LP	
29	02250225-335	1	TUBING,STEEL LOWER RAD 1600	

1.12 Cooling system (with optional engine air inlet shut off)

Key	Part number	Qty	Description	Notes
30	02250226-762	1	HOSE,RAD 3.5" X 3.0" X 6.0"	
31	02250231-685	1	TUBE,STEEL CAC 1600J	
32	02250231-692	1	SUPPORT,BRACKET CAC PIPE 1600J	
33	02250232-510	1	VALVE,AIR SHUT OFF C15	
34	02250232-643	1	CLAMP,CAT MARMON 5.49"	
35	02250233-459	1	HARNESS,1600J ASO TO ENG	
36	02250259-650	11	HOSE,HEATER 5/16(FT)	FOOT
37	02250264-521	1	SUPPORT,BRACKET 1600J ASO	
38	02250264-522	1	CIRCUIT BREAKER,CIRCUIT 1600J ASO	
39	02250264-523	1	RELAY,1600J ASO	
40	02250264-524	1	SUPPORT,HARNESS	
41	040014	2	CLAMP, HOSE 1 5/16 TO 2 1/4ADJ	
42	047235	3	CLAMP, HOSE 3/8"	
43	250008-322	3	U-BOLT, HOSE REEL MNT 3" SQ	
44	407749	1	HOSE, RAD UPPER 2 1/2 X 6"	
45	408300-001	2	CLAMP, HOSE O.D. .562	
46	408300-006	1	CLAMP, HOSE O.D. 1.250	
47	043258	1	CONNECTOR,BARB 5/16 HOSE X 1/4 NPT	
48	828006-050	2	CAPSCREW,HEX 8.8 M6 X 50MM PLT	
49	829105-100	2	CAPSCREW,HEX GR5 5/16-18 X 1"	
50	829705-050	2	SCREW, HX SER WASH 5/16 X 1/2"	
51	829705-075	6	SCREW, HX SER WASH 5/16 X 3/4"	
52	829706-100	27	SCREW, HX SER WASH 3/8 X 1"	
53	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
54	837801-040	2	WASHER, SPRLOCK REG PLTD #8	
55	837806-094	2	WASHER,SPRLOCK REG PLTD 3/8	
56	837808-125	6	WASHER, SPRLOCK REG PLTD 1/2"	
57	838204-071	2	WASHER,PL-B REG PLTD 1/4"	
58	838205-071	2	WASHER,PL-B REG PLTD 5/16"	

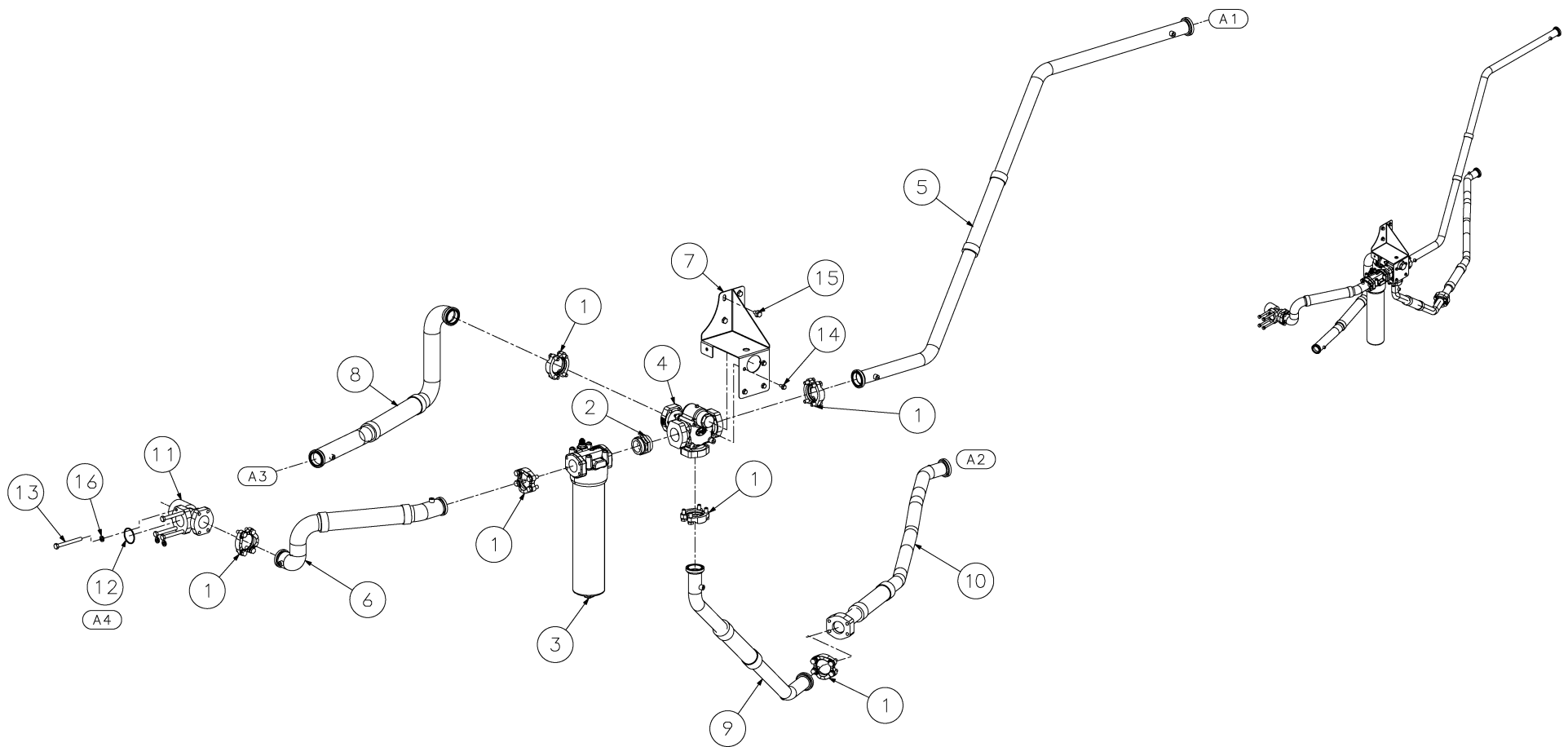
1.12 Cooling system (with optional engine air inlet shut off)

Key	Part number	Qty	Description	Notes
59	838206-071	6	WASHER, PL-B REG PLTD 3/8"	
60	838208-112	6	WASHER, PL-B REG PLTD 1/2"	
61	843102-038	8	RIVET, POP 1/8 X 3/8"	
62	843201-027	2	WRAP, TIE NYLON TY27MX	
63	866506-337	6	NUT, HEX 3/8-16 PLT	
64	868306-150	1	U-BOLT 3/8 X 1 1/2" PIPE PLT	
65	875706-056	1	PLUG, STR THD HOL HX 9/16-18	
66	876001-075	2	SCREW, RND PHILLIPS 8-32 X 3/4"	
67	886117-100	8	HOSE, HTR HEAVY WALL 1 (FT)	FOOT
68	886216-106	1	ADAPTER, 1" HOSEX 1 1/16 SAE STR	

Drawing notes

A1	TO ENGINE TURBO OUTLET
A2	TO ENGINE
A3	TO FRAME
A4	TO LIFTING BAIL
A5	TO COMPRESSOR
A6	TO RECEIVER TANK
A7	TO FAN SHROUD
A8	TO ENGINE THERMOSTAT HOUSING
A9	MARMON CLAMP COMES WITH ENGINE
A10	HOUSING ADAPTER COMES WITH ENGINE INTAKE ELBOW
A11	NOTE REMOVED
A12	CONNECT TO ASO HARNESS CONNECTOR -CN6 (A-T6 BATT [-])
A13	CONNECT TO ASO HARNESS CONNECTOR -CN5 (A-T5 ASO SOLENOID RH)
A14	CONNECT TO ASO HARNESS CONNECTOR -CN3 (A-T3 ASO BREAKER LH BATT [+])
A15	CONNECT TO ASO HARNESS CONNECTOR -CN4 (A-T4 BATT [+])
A16	REMOVE BLANK PLUG AND INSERT P/N 02250141-141
A17	NOTE REMOVED
A18	TO MOUNTING PANEL

1.13 Oil lines sub-assembly



02250223-553 R03



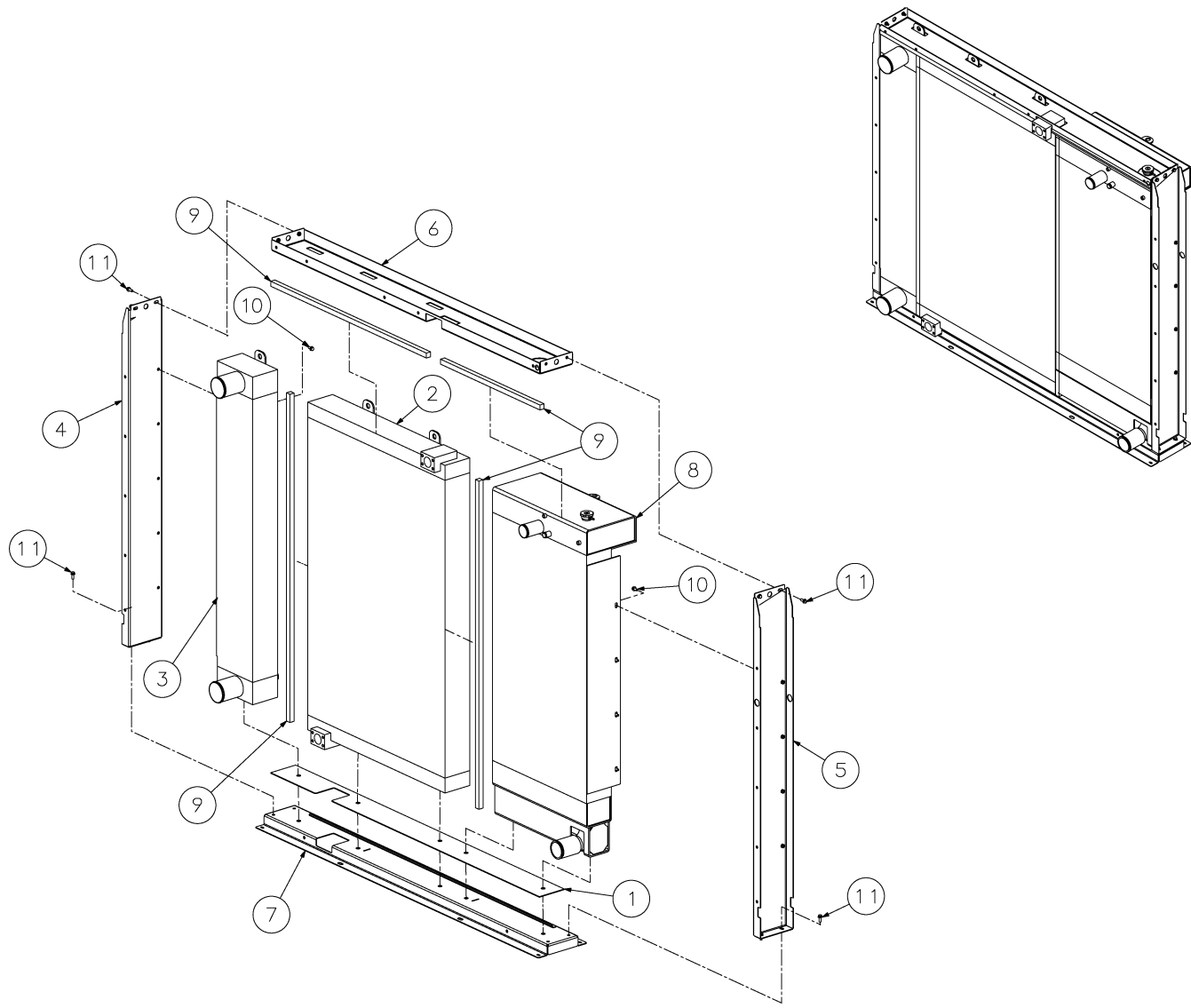
1.13 Oil lines sub-assembly

Key	Part number	Qty	Description	Notes
1	02250099-415	6	FLANGE,KITSAE SPLT 2" - VITON	
2	02250110-661	1	ADAPTER,SAE 2 1/2-12 X 2 1/2-12	
3	02250211-381	1	FILTER,OIL 2 1/2-12 X 2 4BF	
4	02250211-407	1	VALVE,THERMAL 2.5" SAE 170DEG	
5	02250218-957	1	PIPE ASSEMBLY,OIL CLR 1600	
6	02250218-964	1	PIPE ASSEMBLY,OIL CLR 1600	
7	02250219-570	1	SUPPORT,THRMO VLV BYPASS 1600J	
8	02250219-796	1	PIPE ASSEMBLY,OIL CLR 1600	
9	02250223-549	1	PIPE ASSEMBLY,2.00OD	
10	02250223-550	1	PIPE ASSEMBLY,2.00OD	
11	250041-069	1	VALVE, OIL STOP 2" SAE CODE 61	
12	826502-228	1	O-RING,VITON 2 1/4 X 1/8"	
13	829108-475	4	CAPSCREW,HEX GR5 1/2-13 X 4 3/4"	
14	829706-075	4	SCREW, HX SER WASH 3/8 X 3/4"	
15	829708-075	4	SCREW, HEX SER WASH 1/2 X 3/4"	
16	837808-125	4	WASHER, SPRLOCK REG PLTD 1/2"	

Drawing notes

A1	TO OIL COOLER
A2	FROM OIL COOLER
A3	FROM RECIEVER TANK
A4	TO UNIT

1.14 Cooler pack sub-assembly



02250225-206 R06

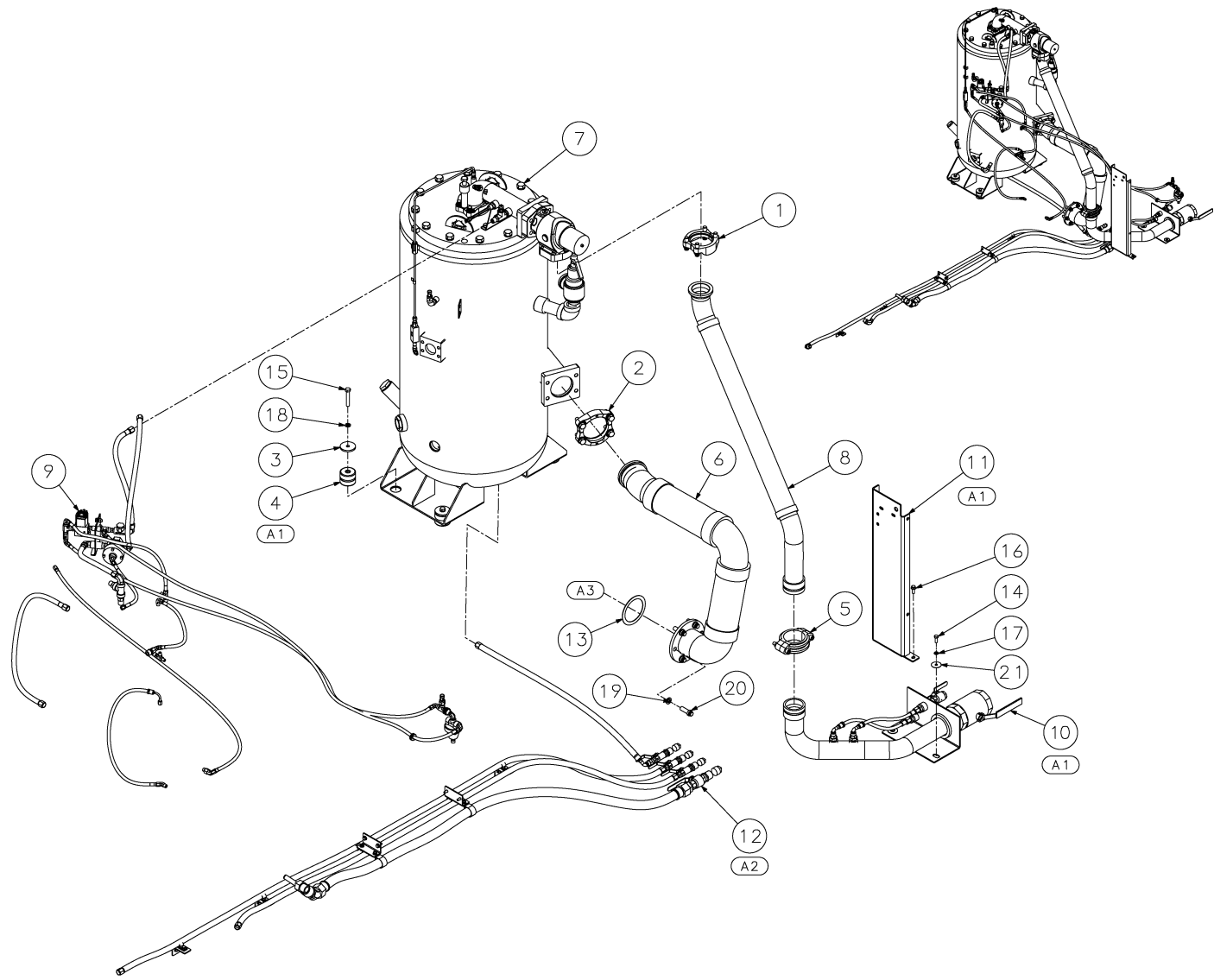


02250248-732 R04
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.14 Cooler pack sub-assembly

Key	Part number	Qty	Description	Notes
1	02250221-051	1	SEAL,CLGSYS FRAME 1600J	
2	02250225-202	1	COOLER,OIL 1600J	
3	02250225-204	1	COOLER,CHARGE AIR 1600J	
4	02250225-207	1	SUPPORT,BRACKET CLR FRAME CS 1600	
5	02250225-208	1	SUPPORT,BRACKET CLR FRAME SS 1600	
6	02250225-210	1	SUPPORT,BRACKET CLR TOP 1600	
7	02250225-211	1	SUPPORT,BRACKET CLR FRAME BASE 1600	
8	02250225-332	1	COOLER,RADIATOR 1600J	
9	250041-174	18	WEATHERSTRIP, 1"THK X 1"WIDE	
10	829706-075	9	SCREW, HX SER WASH 3/8 X 3/4"	
11	829706-100	8	SCREW, HX SER WASH 3/8 X 1"	

1.15 Discharge system—standard



02250220-340 R08



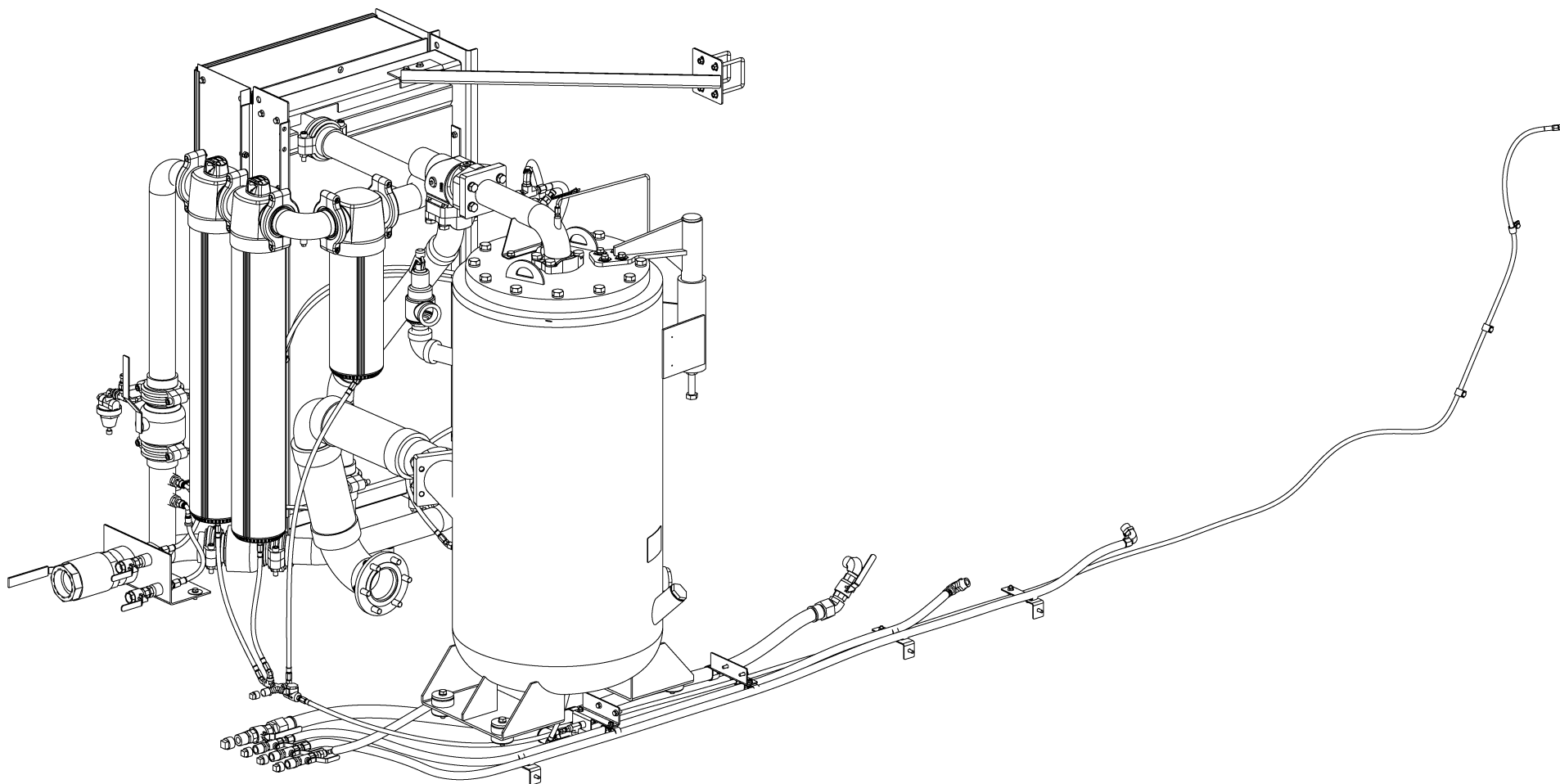
1.15 Discharge system—standard

Key	Part number	Qty	Description	Notes
1	02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
2	02250105-533	1	FLANGE,4" SAE J518 CODE 61	
3	02250125-471	4	WASHER,SNUBBING 125-375 VIB MT	
4	02250125-473	4	MOUNT,VIB UNIVERSAL W/PLATE 375	
5	02250167-628	1	COUPLING,FLEX 3IN 750PSI	
6	02250218-915	1	PIPE ASSEMBLY,DISCH 1600	
7	02250219-208	1	SUB ASSEMBLY,MODULAR,SEP TANK 1600 LP	
8	02250219-596	1	PIPE ASSEMBLY,MPV / AC 1600	
9	02250219-753	1	SUB ASSEMBLY,MODULAR,CONTROL LINES	
10	02250220-438	1	SUB ASSEMBLY,MODULAR,SERVICE VALVE STD	
11	02250220-993	1	SUPPORT,BRACKET VERT A/C 1600	
12	02250223-716	1	SUB ASSEMBLY,MODULAR,DRAINS STANDARD AIR	
13	250014-203	1	GASKET, DISCH PIPE 1250/1600	
14	829106-100	2	CAPSCREW,HEX GR5 3/8-16 X 1"	
15	829108-300	4	CAPSCREW,HEX GR5 1/2-13 X 3"	
16	829706-100	2	SCREW, HX SER WASH 3/8 X 1"	
17	837806-094	2	WASHER,SPRLOCK REG PLTD 3/8	
18	837808-125	4	WASHER, SPRLOCK REG PLTD 1/2"	
19	837810-156	6	WASHER, SPRLOCK REG PLTD 5/8"	
20	867310-175	6	CAPSCREW,FERRY HEAD 5/8-11 X 1 3/4"	
21	881506-162	2	WASHER, FLT LG 3/8 X 1-5/8 PLT	

Drawing notes

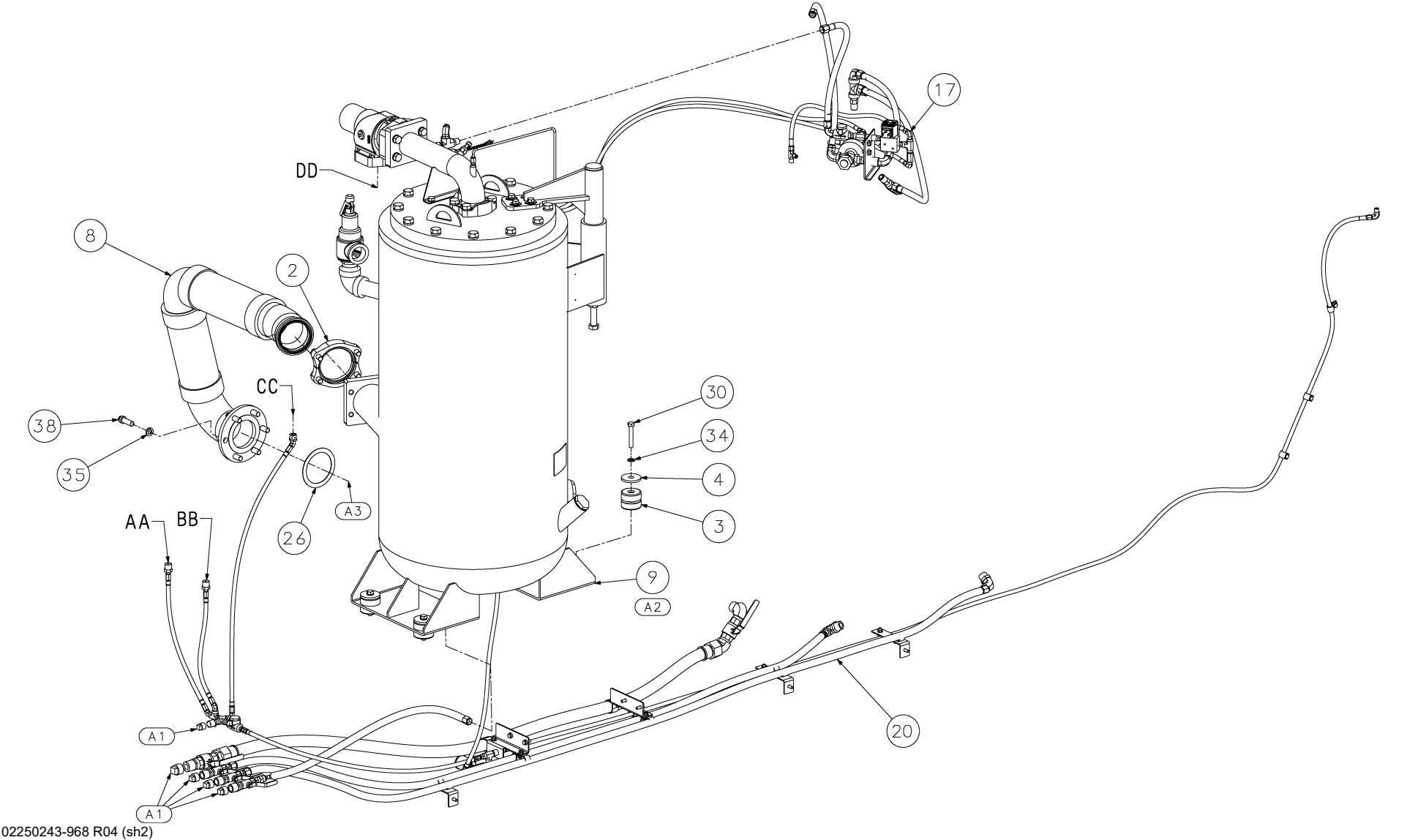
A1	TO FUEL TANK
A2	TO FRAME
A3	TO UNIT

1.16 Discharge system—aftercooled/filtered

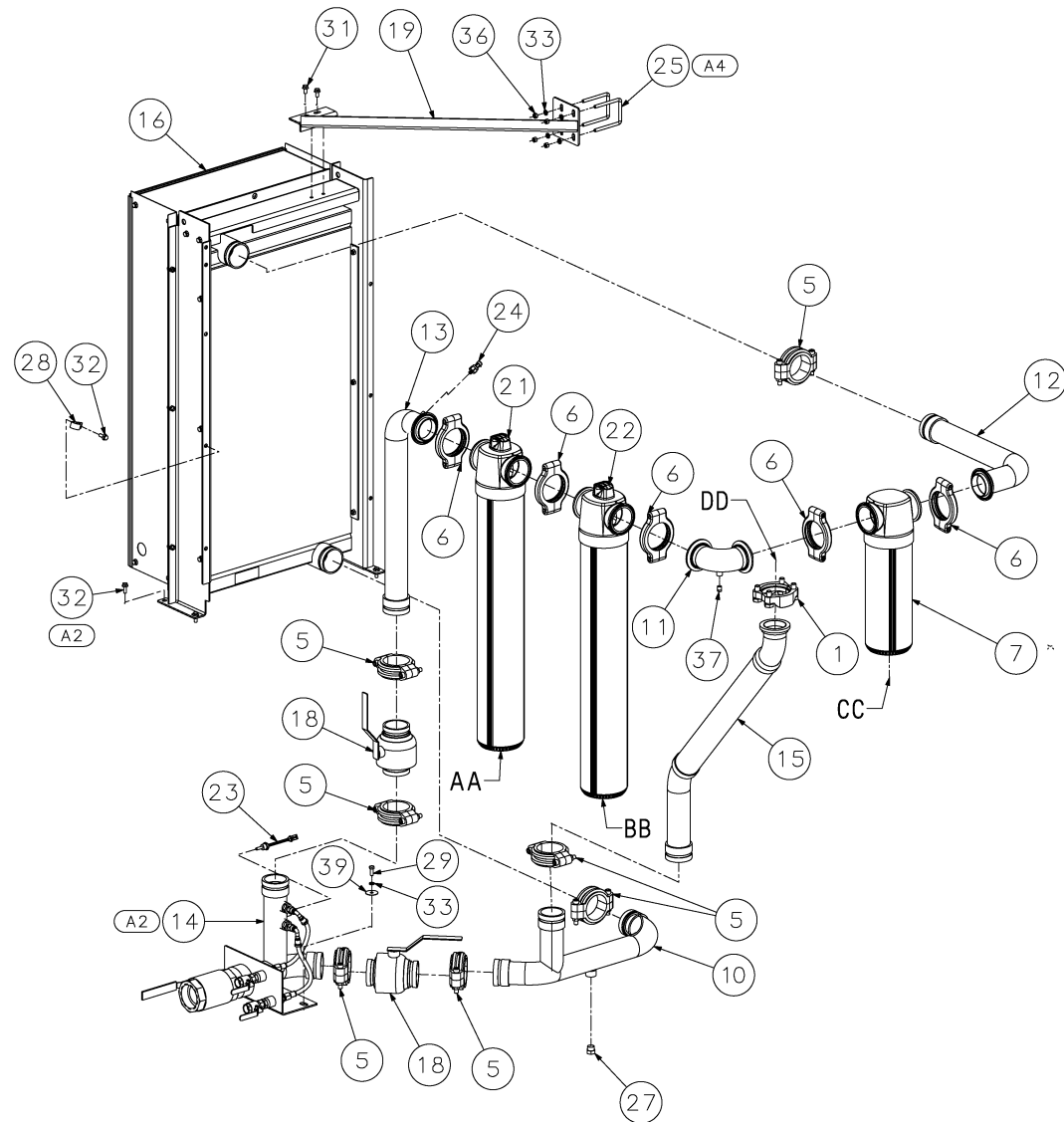


02250243-968 R04 (sh1)

1.16 Discharge system—aftercooled/filtered



1.16 Discharge system—aftercooled/filtered



02250243-968 R04 (sh3)

1.16 Discharge system—aftercooled/filtered

Key	Part number	Qty	Description	Notes
1	02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
2	02250105-533	1	FLANGE,4" SAE J518 CODE 61	
3	02250125-473	4	MOUNT,VIB UNIVERSAL W/PLATE 375	
4	02250125-604	4	WASHER,SNUBBING 375 VIBRATION MT	
5	02250167-628	7	COUPLING,FLEX 3IN 750PSI	
6	02250193-544	5	CLAMP,FX FILTER 925-1600	
7	02250208-571	1	SEPARATOR,WTR CS-1600 3" W/O DR	
8	02250218-915	1	PIPE ASSEMBLY,DISCH 1600	
9	02250219-208	1	SUB ASSEMBLY,MODULAR,SEP TANK 1600 LP	
10	02250219-351	1	PIPE ASSEMBLY,DISCH TEE 1600	
11	02250219-531	1	ELBOW,STL 3" DISCHARGE 1600G	
12	02250219-537	1	TUBE,STEEL 3" DISCHARGE 1600G	
13	02250219-545	1	PIPE ASSEMBLY,ACF DISCH 1600	
14	02250219-554	1	SUB ASSEMBLY,MODULAR,SERVICE VALVE AC	
15	02250219-596	1	PIPE ASSEMBLY,MPV / AC 1600	
16	02250219-728	1	SUB ASSEMBLY,MODULAR,AFTER CLR 1600 ACF	
17	02250219-753	1	SUB ASSEMBLY,MODULAR,CONTROL LINES	
18	02250219-923	2	VALVE,BALL 3" GROOVED END	
19	02250227-865	1	SUPPORT,BRACE ASSY A/C TOP 1600J	
20	02250243-970	1	SUB ASSEMBLY,MODULAR,DRAINS ACF CR	
21	02250247-559	1	FILTER,FX-1600-HR 3" NPT	
22	02250247-560	1	FILTER,FX-1600-FR 3" NPT	
23	1007-1309	1	SENSOR,TEMP RTD PT500	
24	1008-0901	1	TRANSDUCER,PRES 250PSIG 1-5VDC	
25	250008-322	2	U-BOLT, HOSE REEL MNT 3" SQ	
26	250014-203	1	GASKET, DISCH PIPE 1250/1600	
27	250042-624	1	PLUG,STR THD 7/8-14 SAE VIT	
28	408300-005	1	CLAMP, HOSE O.D. 1.062	
29	829106-100	2	CAPSCREW,HEX GR5 3/8-16 X 1"	

1.16 Discharge system—aftercooled/filtered

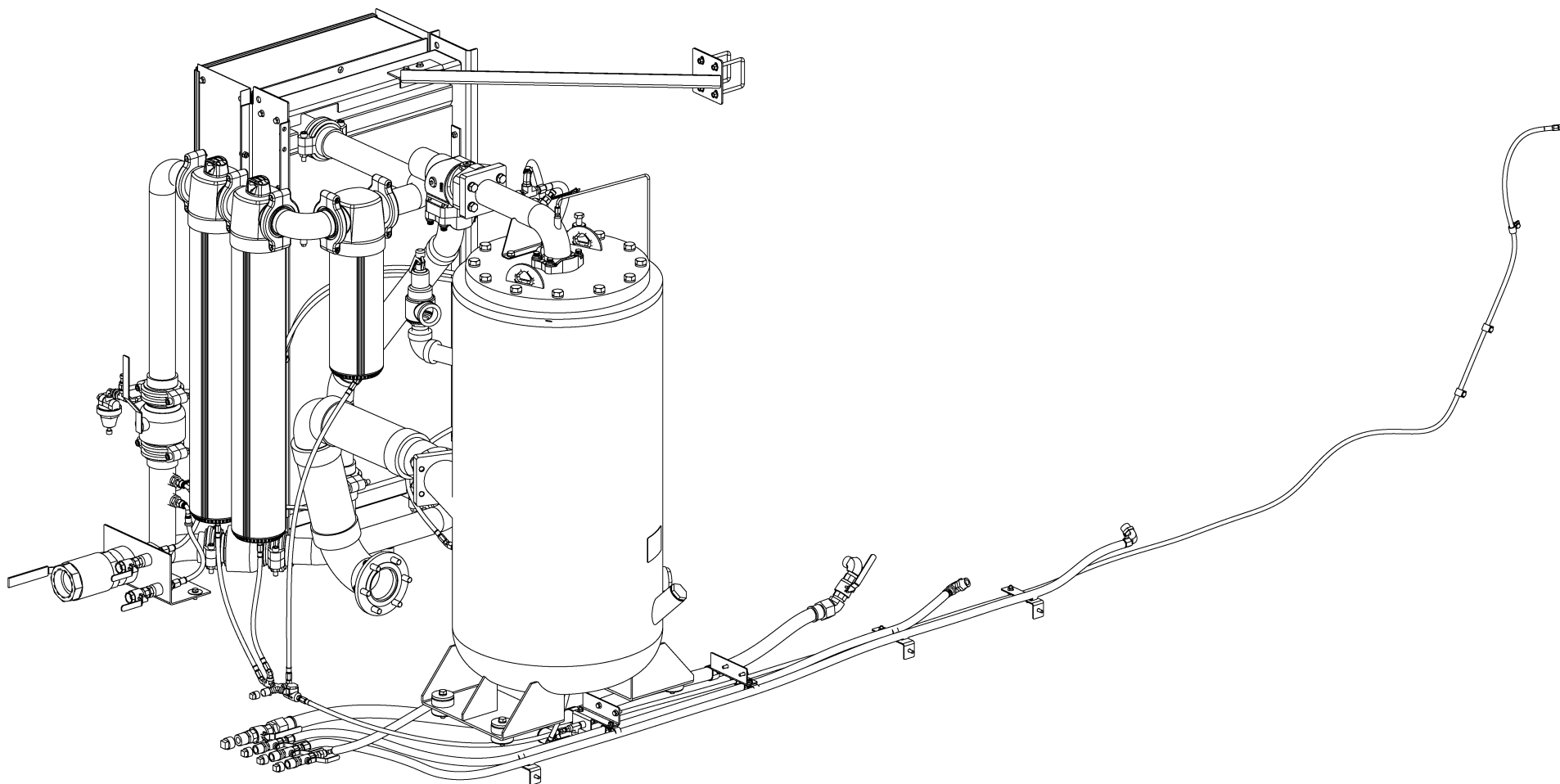
Key	Part number	Qty	Description	Notes
30	829108-300	4	CAPSCREW, HEX GR5 1/2-13 X 3"	
31	829706-075	2	SCREW, HX SER WASH 3/8 X 3/4"	
32	829706-100	5	SCREW, HX SER WASH 3/8 X 1"	
33	837806-094	6	WASHER, SPRLOCK REG PLTD 3/8	
34	837808-125	4	WASHER, SPRLOCK REG PLTD 1/2"	
35	837810-156	6	WASHER, SPRLOCK REG PLTD 5/8"	
36	866506-337	4	NUT, HEX 3/8-16 PLT	
37	866900-010	1	PLUG, PIPE 1/4" 3000# STL PLT	
38	867310-175	6	CAPSCREW, FERRY HEAD 5/8-11 X 1 3/4"	
39	881506-162	2	WASHER, FLT LG 3/8 X 1-5/8 PLT	

Drawing notes

A1	TO FRAME
A2	TO FUEL TANK
A3	TO UNIT
A4	TO LIFT BAIL

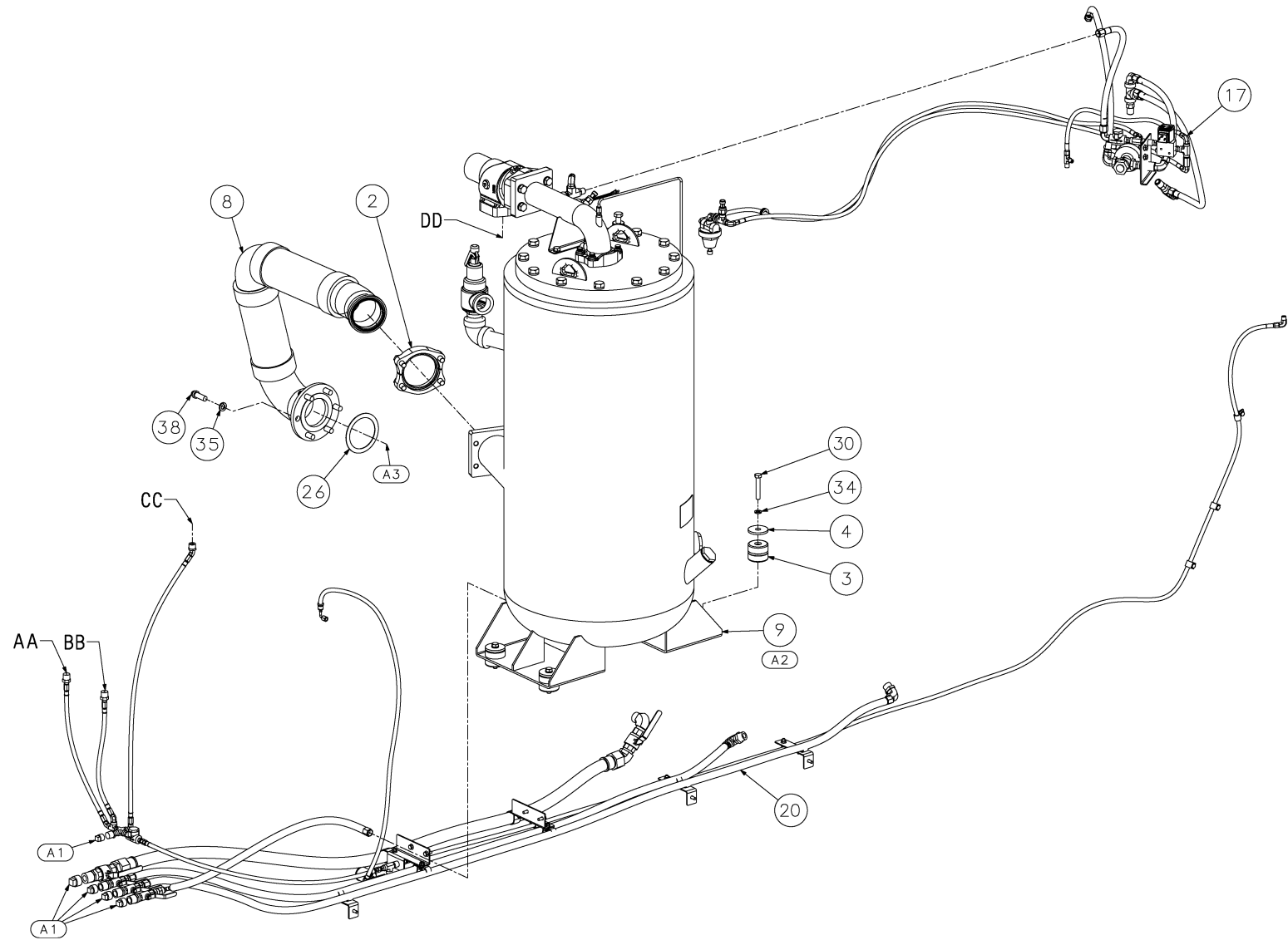
Notes:

1.17 Discharge system—aftercooled/filtered CMS



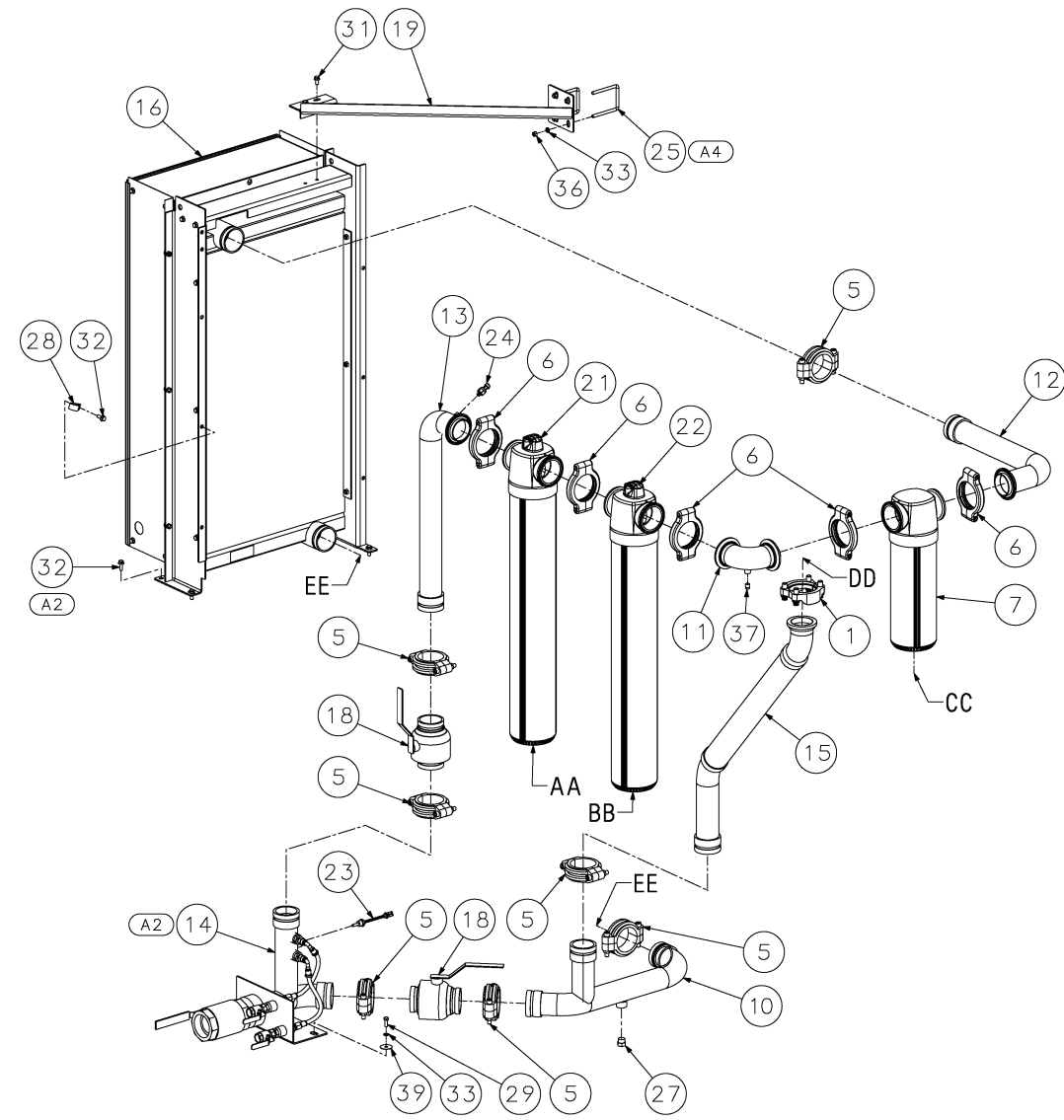
02250243-968 R05 (sh1)

1.17 Discharge system—aftercooled/filtered CMS



02250243-968 R05 (sh2)

1.17 Discharge system—aftercooled/filtered CMS



02250243-968 R05 (sh3)



1.17 Discharge system—aftercooled/filtered CMS

Key	Part number	Qty	Description	Notes
1	02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
2	02250105-533	1	FLANGE,4" SAE J518 CODE 61	
3	02250125-473	4	MOUNT,VIB UNIVERSAL W/PLATE 375	
4	02250125-604	4	WASHER,SNUBBING 375 VIBRATION MT	
5	02250167-628	7	COUPLING,FLEX 3IN 750PSI	
6	02250193-544	5	CLAMP,FX FILTER 925-1600	
7	02250208-571	1	SEPARATOR,WTR CS-1600 3" W/O DR	
8	02250218-915	1	PIPE ASSEMBLY,DISCH 1600	
9	02250219-208	1	SUB ASSEMBLY,MODULAR,SEP TANK 1600 LP	
10	02250219-351	1	PIPE ASSEMBLY,DISCH TEE 1600	
11	02250219-531	1	ELBOW,STL 3" DISCHARGE 1600G	
12	02250219-537	1	TUBE,STEEL 3" DISCHARGE 1600G	
13	02250219-545	1	PIPE ASSEMBLY,ACF DISCH 1600	
14	02250219-554	1	SUB ASSEMBLY,MODULAR,SERVICE VALVE AC	
15	02250219-596	1	PIPE ASSEMBLY,MPV / AC 1600	
16	02250219-728	1	SUB ASSEMBLY,MODULAR,AFTER CLR 1600 ACF	
17	02250219-753	1	SUB ASSEMBLY,MODULAR,CONTROL LINES	
18	02250219-923	2	VALVE,BALL 3" GROOVED END	
19	02250227-865	1	SUPPORT,BRACE ASSY A/C TOP 1600J	
20	02250243-970	1	SUB ASSEMBLY,MODULAR,DRAINS ACF CR	
21	02250247-559	1	FILTER,FX-1600-HR 3" NPT	
22	02250247-560	1	FILTER,FX-1600-FR 3" NPT	
23	1007-1309	1	SENSOR,TEMP RTD PT500	
24	1008-0901	1	TRANSDUCER,PRES 250PSIG 1-5VDC	
25	250008-322	2	U-BOLT, HOSE REEL MNT 3" SQ	
26	250014-203	1	GASKET, DISCH PIPE 1250/1600	
27	250042-624	1	PLUG,STR THD 7/8-14 SAE VIT	

1.17 Discharge system—aftercooled/filtered CMS

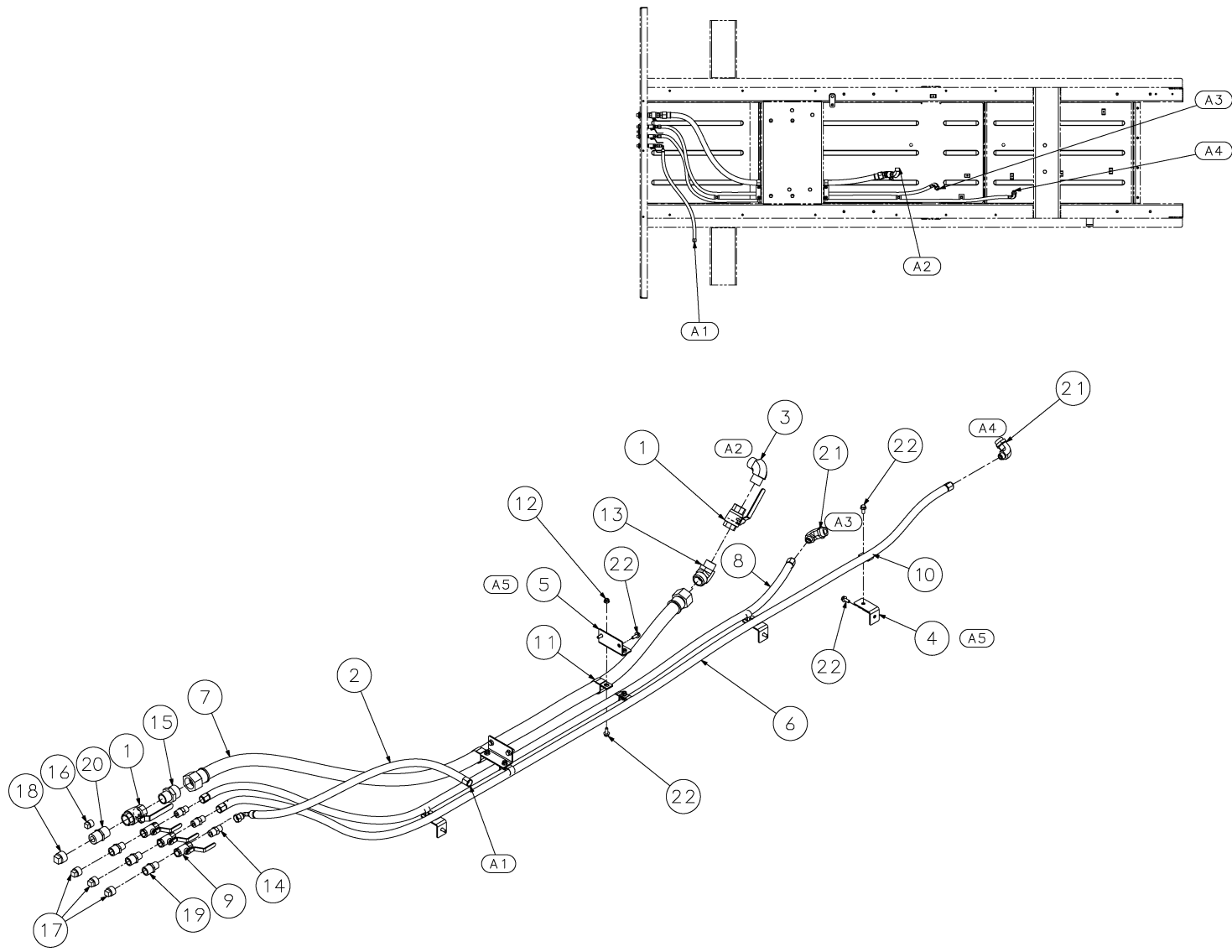
Key	Part number	Qty	Description	Notes
28	408300-005	1	CLAMP, HOSE O.D. 1.062	
29	829106-100	2	CAPSCREW,HEX GR5 3/8-16 X 1"	
30	829108-300	4	CAPSCREW,HEX GR5 1/2-13 X 3"	
31	829706-075	2	SCREW, HX SER WASH 3/8 X 3/4"	
32	829706-100	5	SCREW, HX SER WASH 3/8 X 1"	
33	837806-094	6	WASHER,SPRLOCK REG PLTD 3/8	
34	837808-125	4	WASHER, SPRLOCK REG PLTD 1/2"	
35	837810-156	6	WASHER, SPRLOCK REG PLTD 5/8"	
36	866506-337	4	NUT, HEX 3/8-16 PLT	
37	866900-010	1	PLUG, PIPE 1/4" 3000# STL PLT	
38	867310-175	6	CAPSCREW,FERRY HEAD 5/8-11 X 1 3/4"	
39	881506-162	2	WASHER, FLT LG 3/8 X 1-5/8 PLT	

Drawing notes

A1	TO FRAME
A2	TO FUEL TANK
A3	TO UNIT
A4	TO LIFT BAIL

Notes:

1.18 Drain lines sub-assembly—standard



02250223-716 R03

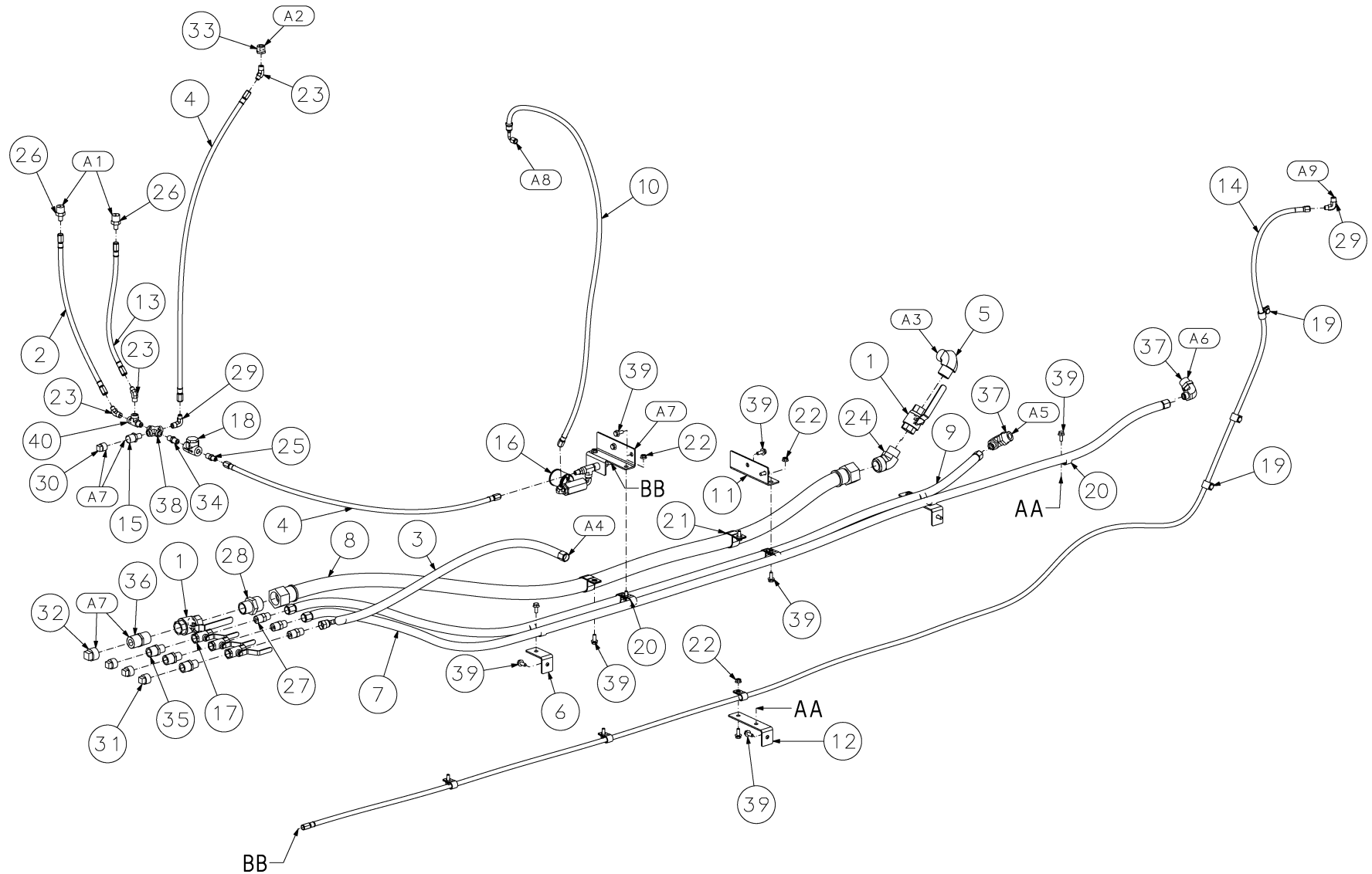
1.18 Drain lines sub-assembly—standard

Key	Part number	Qty	Description	Notes
1	02250176-675	2	VALVE,BALL 1"FEM NPT	
2	02250196-661	1	HOSE,MP 13/32ID X 40 OAL	
3	02250216-267	1	ELBOW,PIPE 90M 1"	
4	02250220-443	3	SUPPORT,BRACKET CENT DRAIN	
5	02250221-015	2	SUPPORT,BRACKET CENT DRAIN	
6	02250224-092	1	HOSE,ASSY MP 13/32" ID 121 OAL	
7	02250226-849	1	HOSE,MP 1.125 X 76.00 OAL	
8	02250227-365	1	HOSE,ASSY MP 13/32ID X 95OAL	
9	047117	3	VALVE,BALL 1/2"NPT	
10	408300-003	9	CLAMP, HOSE O.D. .750	
11	408300-007	2	CLAMP, HOSE O.D. 1.500	
12	825305-283	4	NUT, HEX FLGD PLTD 5/16-18	
13	860020-100	1	ELBOW, 37FL 45M 1 1/4" X 1"	
14	860108-050	3	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
15	860120-100	1	CONNECTOR, 37FL/MPT 1-1/4 X 1"	
16	866900-020	1	PLUG, PIPE 1/2" 3000# STL PLT	
17	866900-030	3	PLUG, PIPE 3/4" 3000# STL PLT	
18	866900-040	1	PLUG, PIPE 1" 3000# STL PLT	
19	868512-050	3	NIPPLE,PIPE HEX 3/4 X 1/2" PLT	
20	868516-100	1	NIPPLE,PIPE HEX 1 X 1" PLT	
21	870608-012	2	CONNECTOR,90D STRXJIC 3/4 X 1-1/16	
22	884305-075	14	SCREW,HEX SER WASH 5/16-18X3/4	

Drawing notes

A1	TO SEPARATOR TANK
A2	TO OIL PAN
A3	TO OIL COOLER PIPE
A4	TO RADIATOR PIPE
A5	TO FRAME

1.19 Drain lines sub-assembly—aftercooled/filtered



02250243-970 R01

1.19 Drain lines sub-assembly—aftercooled/filtered

Key	Part number	Qty	Description	Notes
1	02250176-675	2	VALVE,BALL 1"FEM NPT	
2	02250190-392	1	HOSE,MP 3/16" ID X 20 OAL	
3	02250196-661	1	HOSE,MP 13/32ID X 40 OAL	
4	02250202-053	2	HOSE,MP 3/16" ID X 38OAL	
5	02250216-267	1	ELBOW,PIPE 90M 1"	
6	02250220-443	1	SUPPORT,BRACKET CENT DRAIN	
7	02250224-092	1	HOSE,ASSY MP 13/32" ID 121 OAL	
8	02250226-849	1	HOSE,MP 1.125 X 76.00 OAL	
9	02250227-365	1	HOSE,ASSY MP 13/32ID X 95OAL	
10	02250232-015	1	HOSE,MP 3/16" ID X 52 OAL	
11	02250243-988	1	SUPPORT,BRACKET CENT DRAIN	
12	02250244-060	2	SUPPORT,BRACKET CENT DRAIN	
13	02250249-754	1	HOSE,MP 3/16" ID X 16 OAL	
14	02250250-820	1	HOSE,MP 3/16" ID X 172 OAL	
15	02250250-828	1	NIPPLE,PIPE HEX 1/2 X 1/4" SOLID	
16	02250250-838	1	SUB ASSEMBLY,MODULAR,BLOWDOWN	
17	047117	3	VALVE,BALL 1/2"NPT	
18	241771	1	STRAINER,V - TYPE 250# X 1/4"	
19	408300-001	6	CLAMP, HOSE O.D. .562	
20	408300-003	9	CLAMP, HOSE O.D. .750	
21	408300-007	2	CLAMP, HOSE O.D. 1.500	
22	825305-283	7	NUT, HEX FLGD PLTD 5/16-18	
23	860004-025	3	ELBOW, 37FL 45 M 1/4 X 1/4"	
24	860020-100	1	ELBOW, 37FL 45M 1 1/4" X 1"	
25	860104-025	1	CONNECTOR, 37FL/MPT 1/4 X 1/4"	
26	860104-050	2	CONNECTOR, 37FL/MPT 1/4 X 1/2"	
27	860108-050	3	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
28	860120-100	1	CONNECTOR, 37FL/MPT 1-1/4 X 1"	
29	860204-025	2	ELBOW, 37FL 90M 1/4 X 1/4"	

1.19 Drain lines sub-assembly—aftercooled/filtered

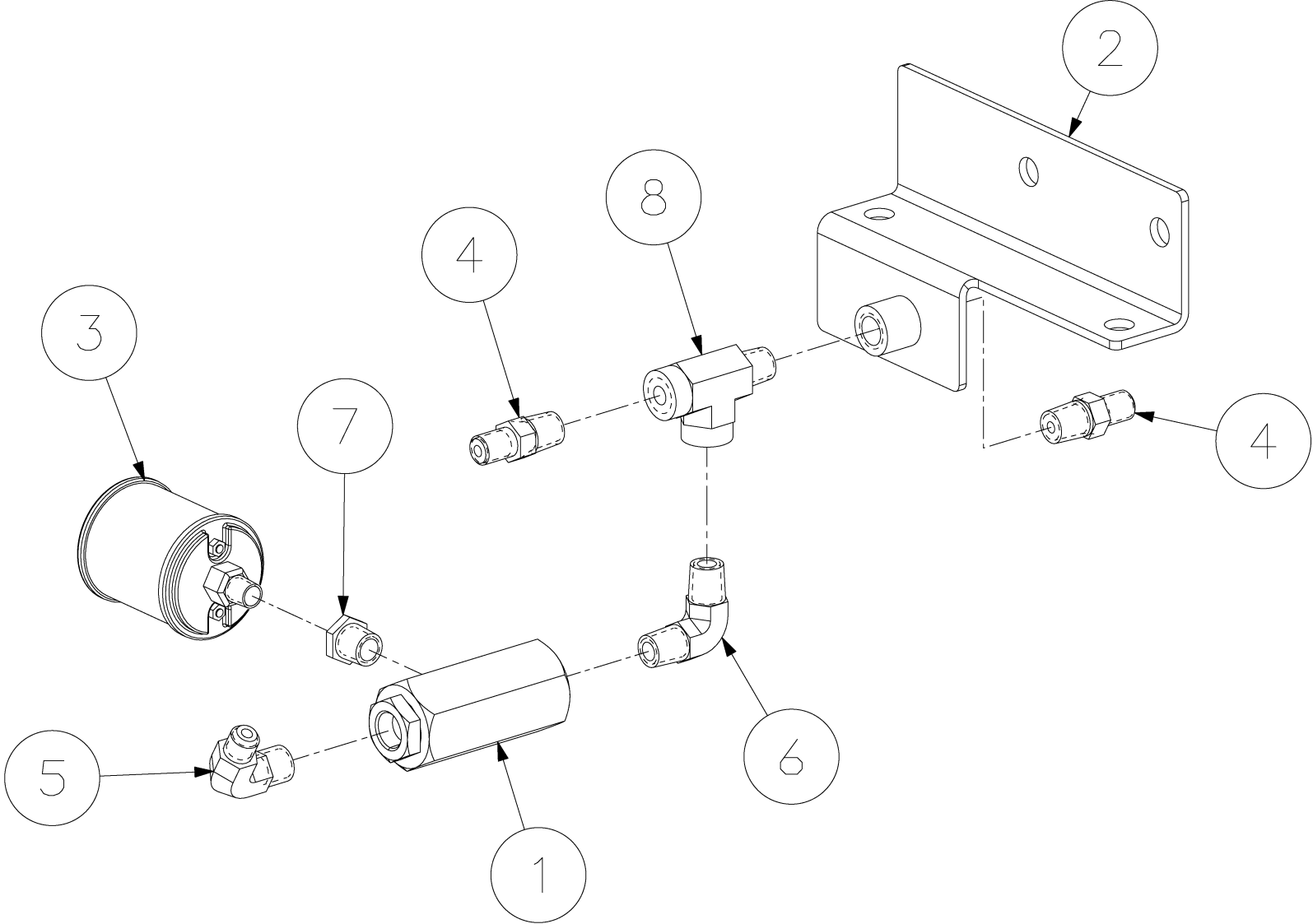
Key	Part number	Qty	Description	Notes
30	866900-020	1	PLUG, PIPE 1/2" 3000# STL PLT	
31	866900-030	3	PLUG, PIPE 3/4" 3000# STL PLT	
32	866900-040	1	PLUG, PIPE 1" 3000# STL PLT	
33	867102-010	1	BUSHING,RED 1/2 X 1/4" STL PLT	
34	868504-025	1	NIPPLE,PIPE HEX 1/4 X 1/4" PLT	
35	868512-050	3	NIPPLE,PIPE HEX 3/4 X 1/2" PLT	
36	868516-100	1	NIPPLE,PIPE HEX 1 X 1" PLT	
37	870608-012	2	CONNECTOR,90D STRXJIC 3/4 X 1-1/16	
38	874804-004	1	CROSS, FEMALE PIPE NPTF 1/4"	
39	884305-075	20	SCREW,HEX SER WASH 5/16-18X3/4	
40	895504-025	1	TEE,MALE/FEMALE/FEMALE 1/4	

Drawing notes

A1	TO FILTER
A2	TO H2O SEPARATOR DRAIN PORT
A3	TO OIL PAN
A4	TO SEPARATOR TANK
A5	TO OIL COOLER PIPE
A6	TO RADIATOR PIPE
A7	TO FRAME
A8	TO CLOSE PILOT ON OIL STOP VALVE
A9	TO EXHAUST PIPE

Notes:

1.20 Blowdown subassembly—aftercooled/filtered

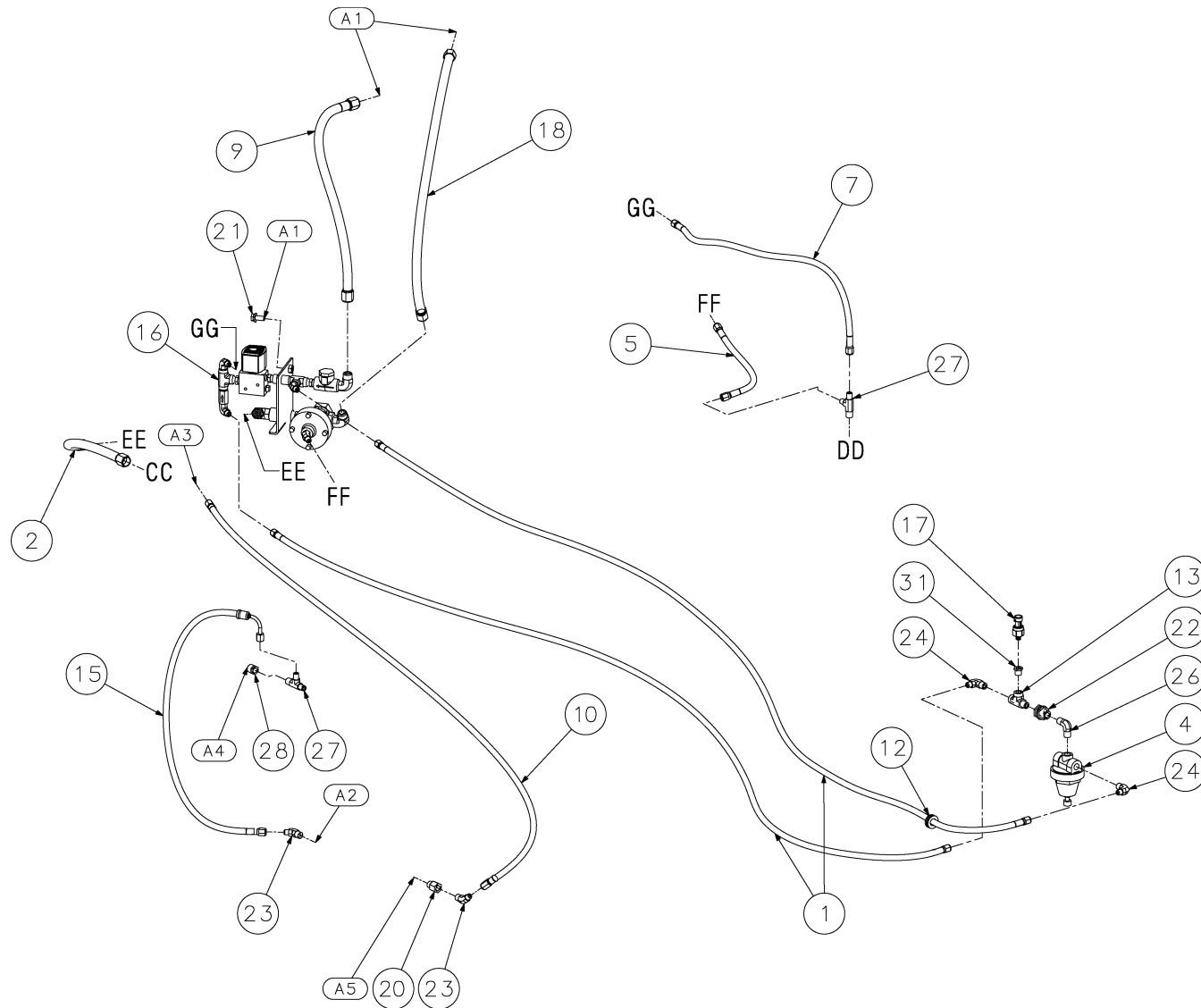


02250250-838 R01

1.20 Blowdown subassembly—aftercooled/filtered

Key	Part number	Qty	Description	Notes
1	02250056-393	1	VALVE,BLOWDOWN N.O.	
2	02250243-987	1	SUPPORT,BRACKET CENT DRAIN	
3	043196	1	SILENCER, COMPRESSED AIR 1/8	
4	860104-025	2	CONNECTOR, 37FL/MPT 1/4 X 1/4"	
5	860204-025	1	ELBOW, 37FL 90M 1/4 X 1/4"	
6	860504-025	1	ELBOW, PIPE 90M 1/4 X 1/4"	
7	868900-005	1	BUSHING, RED HEX 1/4 X 1/8 PLT	
8	895504-025	1	TEE,MALE/FEMALE/FEMALE 1/4	

1.21 Control lines sub-assembly

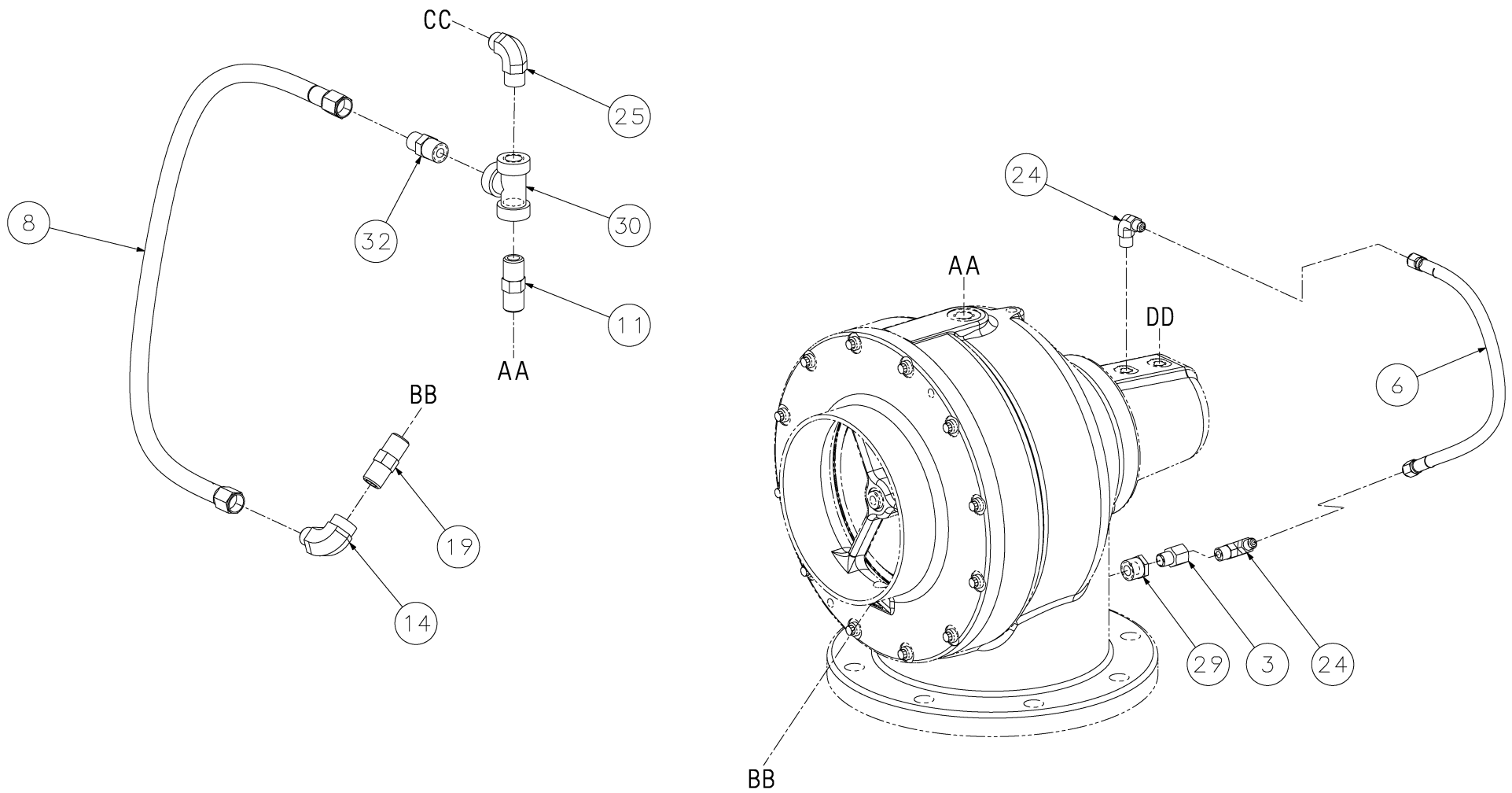


02250219-753 R09 (sh1)



02250248-732 R04
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.21 Control lines sub-assembly



02250219-753 R09 (sh2)

1.21 Control lines sub-assembly

Key	Part number	Qty	Description	Notes
1	02250054-260	2	HOSE,MP .25 X 76 LG.	
2	02250056-579	1	HOSE,MP 0.50 X 019"	
3	02250145-912	1	ORIFICE,.040".25 FNPT *.25 MNPT	
4	02250148-609	1	VALVE,PRESS REG 1/4" NPT 70-250#	
5	02250162-248	1	HOSE,MP 3/16"ID X 12OAL	
6	02250163-454	1	HOSE,MP 3/16" ID X 17 OAL	
7	02250163-455	1	HOSE,MP 3/16" ID X 28 OAL	
8	02250198-816	1	HOSE,MP 13/32ID X 32 OAL	
9	02250201-234	1	HOSE,MP 13/32"ID X 20 OAL	
10	02250201-405	1	HOSE,MP 3/16" ID X 58 OAL	
11	02250208-780	1	ORIFICE,.250 X .50M X .50M NPT	
12	02250212-744	1	GROMMET,5/8X1 1/8X11GA	
13	02250213-695	1	TEE,MALE/FEMALE/FEMALE 1/4 SS	
14	02250219-772	1	ELBOW,37FL 90F 1/2 X 1/2"	
15	02250220-181	1	HOSE, MP 1/2"OD X 37	
16	02250223-375	1	SUB ASSEMBLY,MODULAR,PNEUCTL 1600 LP	
17	1008-0901	1	TRANSDUCER,PRES 250PSIG 1-5VDC	
18	249608-013	1	HOSE, MED PRESS 0.50 X 028"	
19	250025-294	1	ORIFICE, .187 .50M X .50M	
20	811503-025	1	ADAPTER, PIPE-F 3/8 X 1/4"	
21	829706-075	2	SCREW, HX SER WASH 3/8 X 3/4"	
22	841500-004	1	BULKHEAD, PIPE 1/4" NPT	
23	860004-025	2	ELBOW, 37FL 45 M 1/4 X 1/4"	
24	860204-025	4	ELBOW,37FL 90M 1/4 X 1/4"	
25	860208-050	1	ELBOW,37FL 90M 1/2 X 1/2"	
26	860504-025	1	ELBOW, PIPE 90M 1/4 X 1/4"	
27	861804-025	2	TEE, 37FL M RN 1/4 X 1/4"	

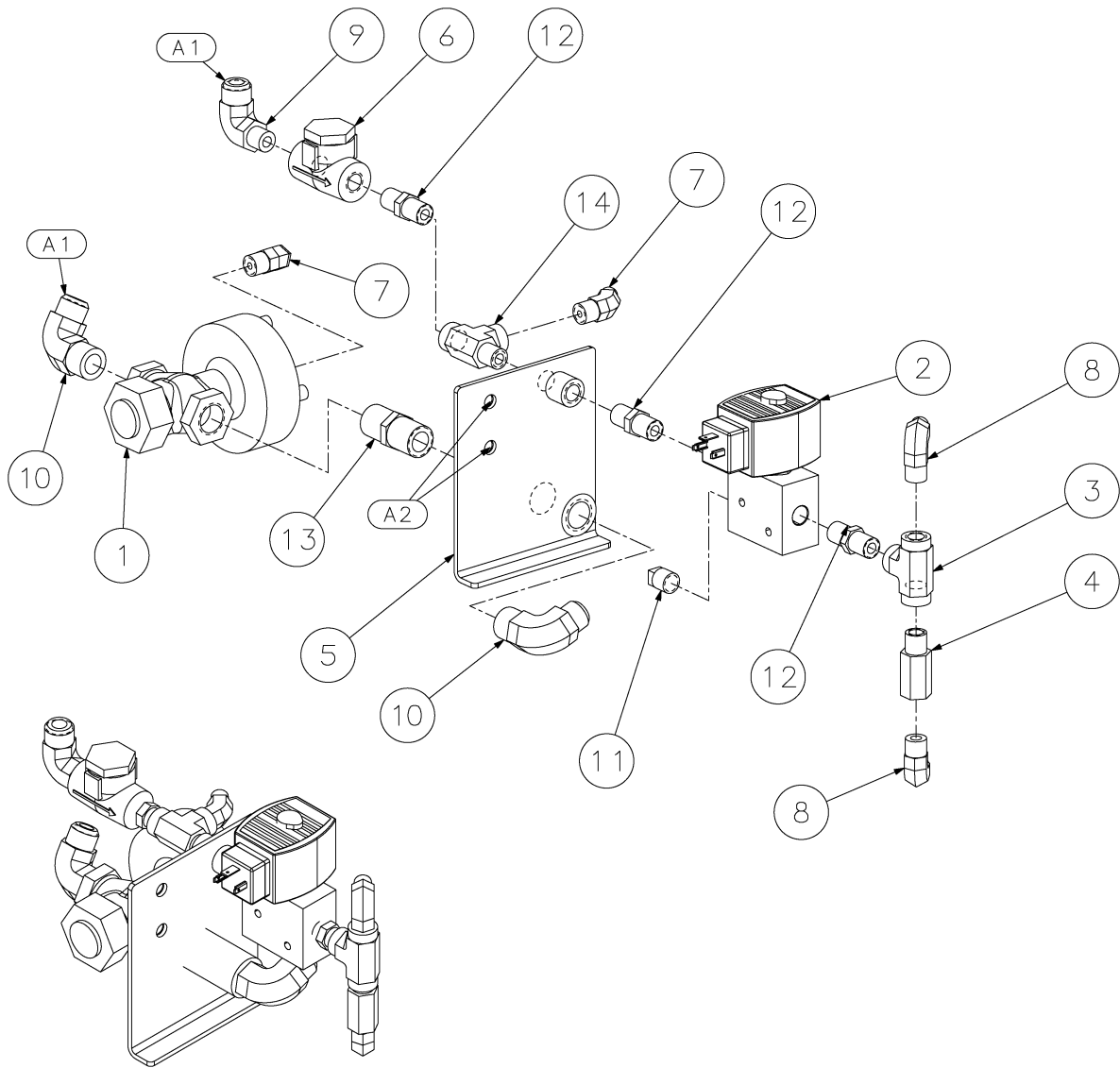
1.21 Control lines sub-assembly

Key	Part number	Qty	Description	Notes
28	867101-010	1	BUSHING,RED 3/8 X 1/4" STL PLT	
29	867102-010	1	BUSHING,RED 1/2 X 1/4" STL PLT	
30	868430-020	1	TEE, PIPE 1/2" 300# PLT	
31	868900-005	1	BUSHING, RED HEX 1/4 X 1/8 PLT	
32	889108-050	1	CONNECTOR, 37FL/MPT SS 1/2 X 1/2"	

Drawing notes

A1	TO SEPARATOR TANK
A2	TO COMPRESSOR DISCHARGE PORT
A3	TO SCAVENGE LINE SIGHTGLASS
A4	TO OIL STOP VLV
A5	TO SCAVENGE OIL RETURN PORT

1.22 Pneumatic controls subassembly



02250223-375 R04

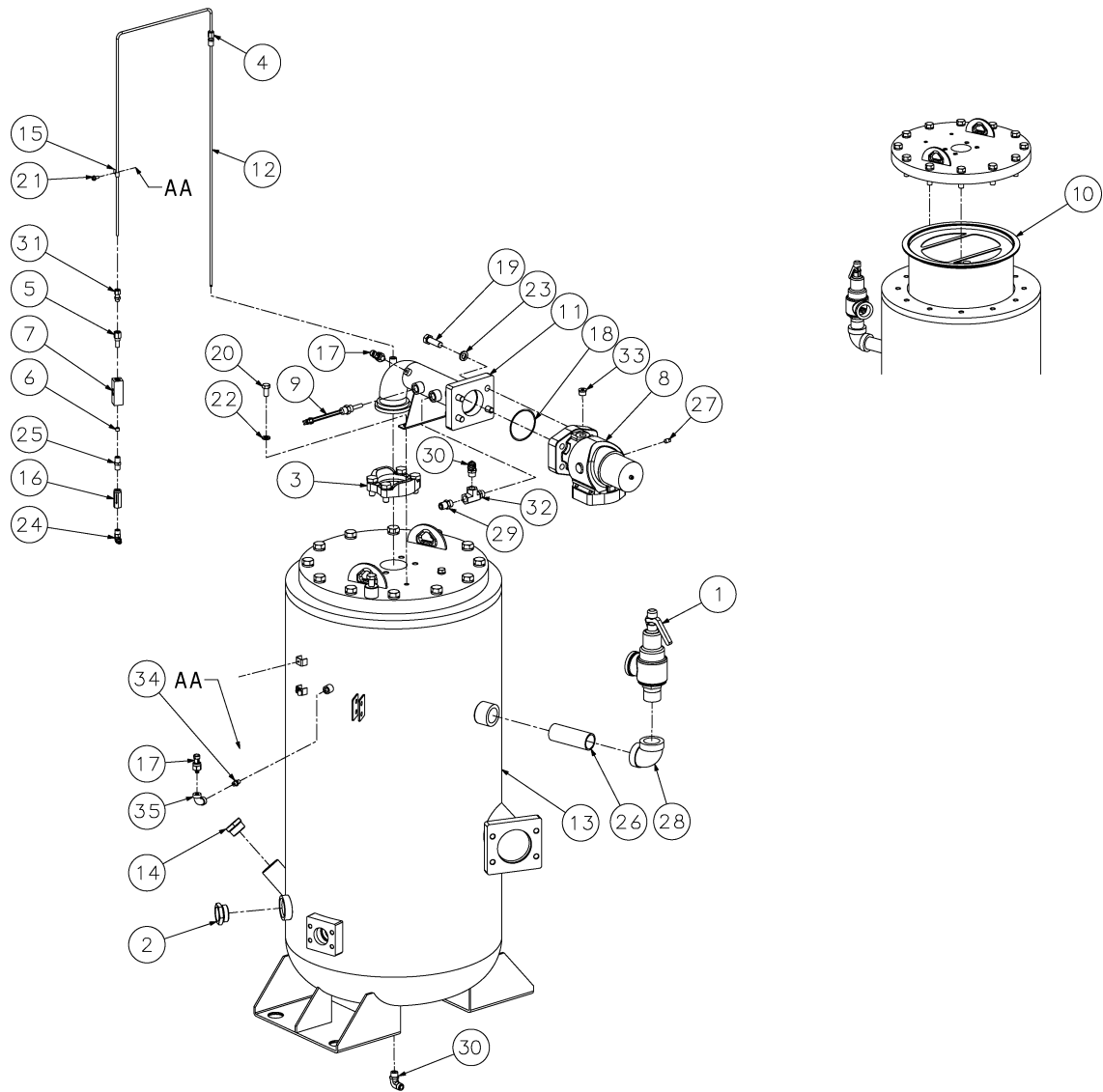
1.22 Pneumatic controls subassembly

Key	Part number	Qty	Description	Notes
1	02250120-888	1	VALVE,BLOWDOWN N.C. 8:1 RATIO	
2	02250207-504	1	VALVE,SOLENOID 3-WAY 1/4NPT 24VDC	
3	02250217-885	1	TEE,PIPE 1/4" STL ZN PLTD	
4	02250221-441	1	VALVE,CHECK M/F 1/4 NPT	
5	02250226-634	1	SUPPORT,BRACKET PNEUCTL 1600 LP	
6	241771	1		
7	860004-025	2	ELBOW, 37FL 45 M 1/4 X 1/4"	
8	860204-025	2	ELBOW, 37FL 90M 1/4 X 1/4"	
9	860208-025	1	ELBOW, 37FL 90M 1/2 X 1/4"	
10	860208-050	2	ELBOW, 37FL 90M 1/2 X 1/2"	
11	866900-010	1	PLUG, PIPE 1/4" 3000# STL PLT	
12	868504-025	3	NIPPLE,PIPE HEX 1/4 X 1/4" PLT	
13	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
14	895504-025	1	TEE,MALE/FEMALE/FEMALE 1/4	

Drawing notes

A1	SEPARATOR TANK DRY AIR
A2	TO SEP TANK

1.23 Receiver tank sub-assembly



02250219-208 R13

1.23 Receiver tank sub-assembly

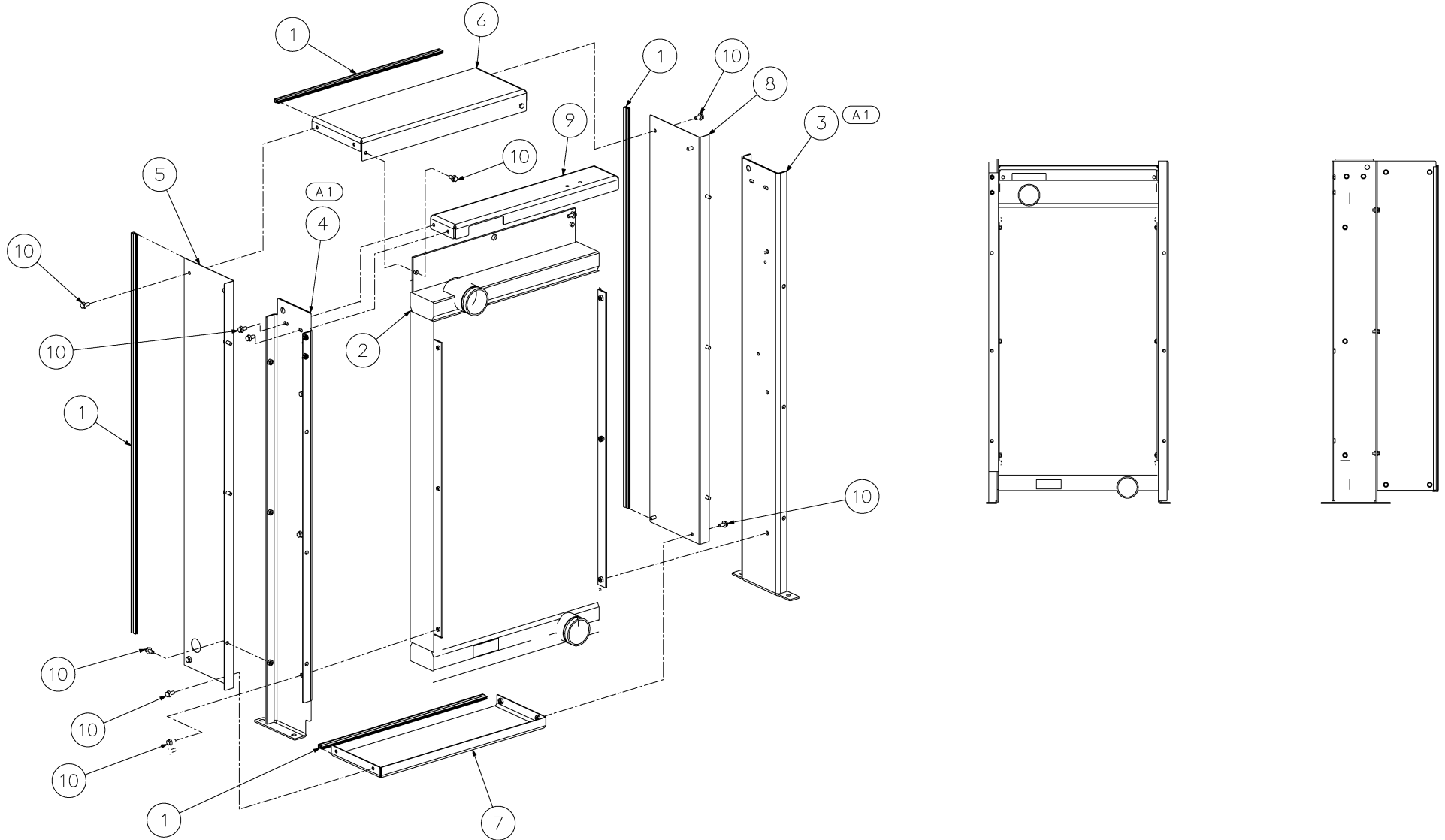
Key	Part number	Qty	Description	Notes
1	02250055-463	1	VALVE,RELIEF 1 1/2 NPT 250#	
2	02250097-611	1	PLUG,SIGHT GLASS 1 7/8" SAE	
3	02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
4	02250108-700	1	CONNECTOR,TUBE OIL RETURN 1/4 X 1/4	
5	02250117-782	1	FILTER ASSEMBLY,GENESIS FILTR	
6	02250125-776	1	ORIFICE,PLUG BRASS 1/8"NPT X 3/32"	
7	02250126-129	1	GLASS,SIGHT/ORF BLK-SAE	
8	02250157-877	1	VALVE,MINIMUM PRESSURE CHK 3"SAE	
9	02250159-102	1	SWITCH,TEMP 250F 3/4 O-RING	
10	02250218-860	1	ELEMENT,SEP 1600 TANK	
11	02250219-223	1	PIPE ASSEMBLY,TANK DISCHARGE	
12	02250219-816	1	TUBE,STAINLESS STEEL STNLS STL 1/4 20 GA.	
13	02250249-250	1	TNKASSY,REC 1600LP	
14	040029	1	PLUG, O-RING BOSS SAE 1 1/4	
15	043357	2	CLAMP, SPEED - TUBE 1/4"	
16	045244	1	VALVE,CHECK (1/4"NPT)DC INLINE	
17	1008-0901	2	TRANSDUCER,PRES 250PSIG 1-5VDC	
18	826502-236	1	O-RING,VITON 3 1/4 X 1/8"	
19	827910-200	4	CAPSCREW,HEX GR8 5/8-11 X 2"	
20	829108-100	2	CAPSCREW,HEX GR5 1/2-13 X 1"	
21	834504-050	2	SCREW, TC-F HEX 1/4-24 X 1/2"	
22	837508-125	2	WASHER, SPRLOCK REG 1/2"	
23	837810-156	4	WASHER, SPRLOCK REG PLTD 5/8"	
24	860204-025	1	ELBOW,37FL 90M 1/4 X 1/4"	
25	860404-025	1	NIPPLE, PIPE HX 1/4"	
26	866324-050	1	NIPPLE, PIPE 1 1/2 X 5" PLT	
27	866900-005	1	PLUG, PIPE 1/8" 3000# STL PLT	

1.23 Receiver tank sub-assembly

Key	Part number	Qty	Description	Notes
28	867030-060	1	ELBOW,PIPE 90DG 1 1/2" 300#PLT	
29	870108-008	1	CONNECTOR, STR X JIC 3/4 X 3/4	
30	870608-008	2	CONNECTOR,90D STR X JIC 3/4 X 3/4	
31	870904-044	1	CONNECTOR,TB-M STR THD SS 1/4 X7/16	
32	871800-075	1	TEE,STR THRD M-RN VITON 3/4"	
33	875708-075	1	PLUG,STR THD HOL HX 3/4-16	
34	877202-012	1	ADAPTER, PIPE M 7/16 ORNG X 1/8"	
35	878800-005	1	ELBOW,PIPE 90 1/8" 2000# SS	

Notes:

1.24 Aftercooler sub-assembly



02250219-728 R06



02250248-732 R04
Subject to EAR, ECCN EAR99 and related export control restrictions.

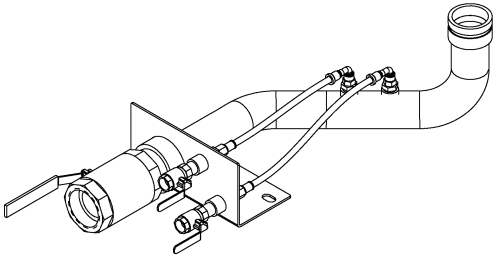
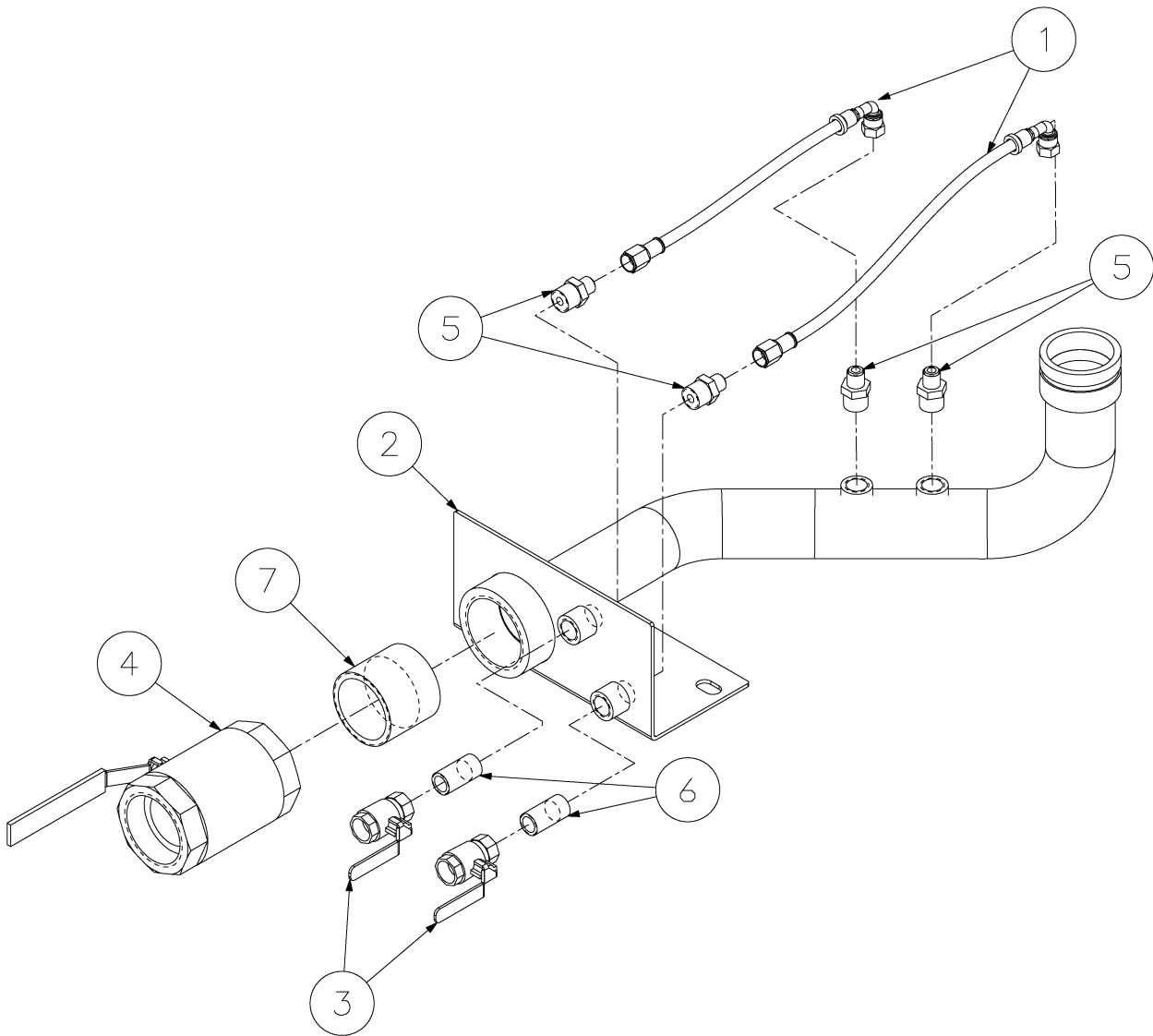
1.24 Aftercooler sub-assembly

Key	Part number	Qty	Description	Notes
1	02250160-095	13	WEATHERSTRIP, EPDM 65 SHORE/SPGE RUBBER BLACK	
2	02250218-388	1	COOLER,AFTER 1600G	
3	02250219-080	1	SUPPORT,BRACKET VERT A/C 1600	
4	02250219-081	1	SUPPORT,BRACKET VERT A/C 1600	
5	02250219-224	1	BAFFLE,A/C SIDE 1600	
6	02250219-934	1	SUPPORT,BRACKET VERT A/C 1600	
7	02250220-638	1	SUPPORT,BRACKET VERT A/C 1600	
8	02250220-639	1	BAFFLE,A/C SIDE 1600	
9	02250227-857	1	SUPPORT,BRACKET TOP A/C 1600	
10	829706-075	26	SCREW, HX SER WASH 3/8 X 3/4"	

Drawing notes

A1	TO FUEL TANK			
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1.25 Service valve sub-assembly—standard



02250220-438 R01

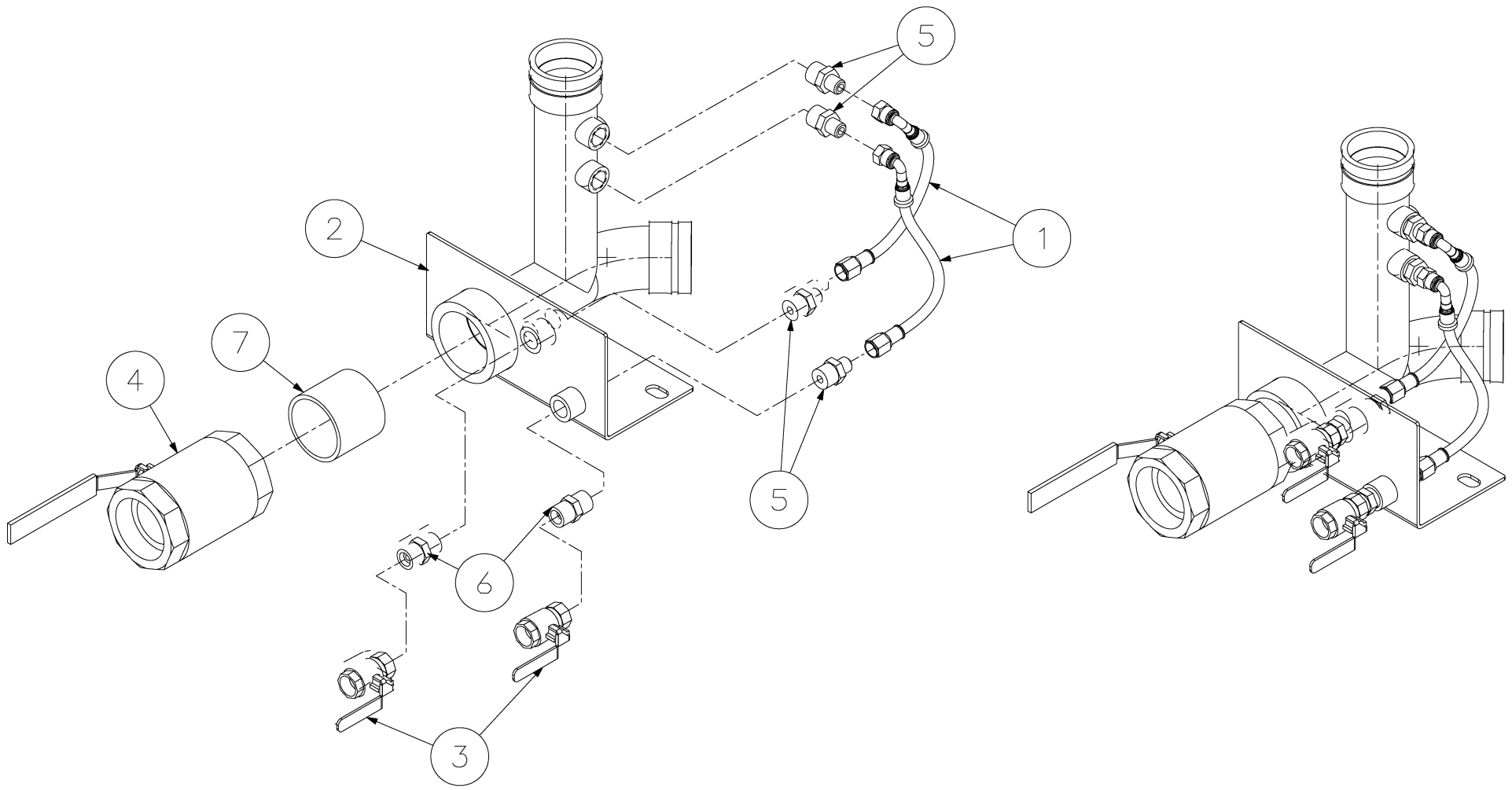
1.25 Service valve sub-assembly—standard

Key	Part number	Qty	Description	Notes
1	02250162-243	2	HOSE,MP 13/32ID X 18OAL	
2	02250220-439	1	PIPE ASSEMBLY,1600 STD SERV VLV	
3	250019-865	2	VALVE, BALL 3/4"	
4	250034-791	1	VALVE,SERVICE 3" BALL	
5	860108-075	4	CONNECTOR, 37FL/MPT 1/2 X 3/4"	
6	866412-020	2	NIPPLE, PIPE XS 3/4 X 2 PLT	
7	866448-030	1	NIPPLE, PIPE XS 3 X 3 PLT	

Drawing notes

1	THREADED CONNECTIONS TO BE SEALED WITH LOCTITE THREAD SEALANET 567 OR EQUAL
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1.26 Service valve sub-assembly—aftercooled



02250219-554 R04



02250248-732 R04
Subject to EAR, ECCN EAR99 and related export control restrictions.

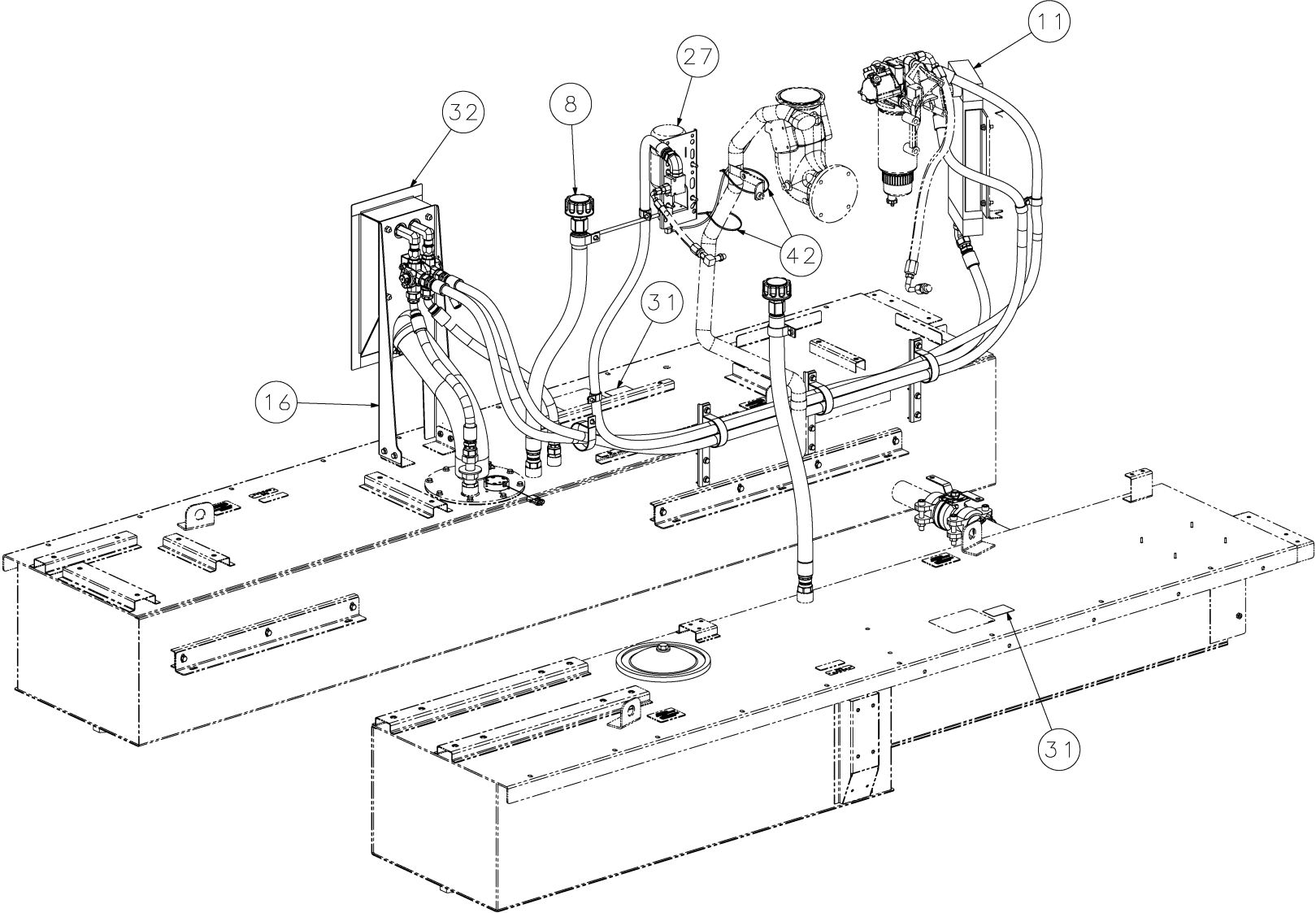
1.26 Service valve sub-assembly—aftercooled

Key	Part number	Qty	Description	Notes
1	02250162-245	2	HOSE,MP 13/32ID X 13OAL	
2	02250219-568	1	PIPE ASSEMBLY,1600 AC SERV VLV	
3	250019-865	2	VALVE, BALL 3/4"	
4	250034-791	1	VALVE,SERVICE 3" BALL	
5	860108-075	4	CONNECTOR, 37FL/MPT 1/2 X 3/4"	
6	860412-075	2	NIPPLE, PIPE HX 3/4"	
7	866348-030	1	NIPPLE,PIPE 3 X 3 SCH40 PLTD	

Drawing notes

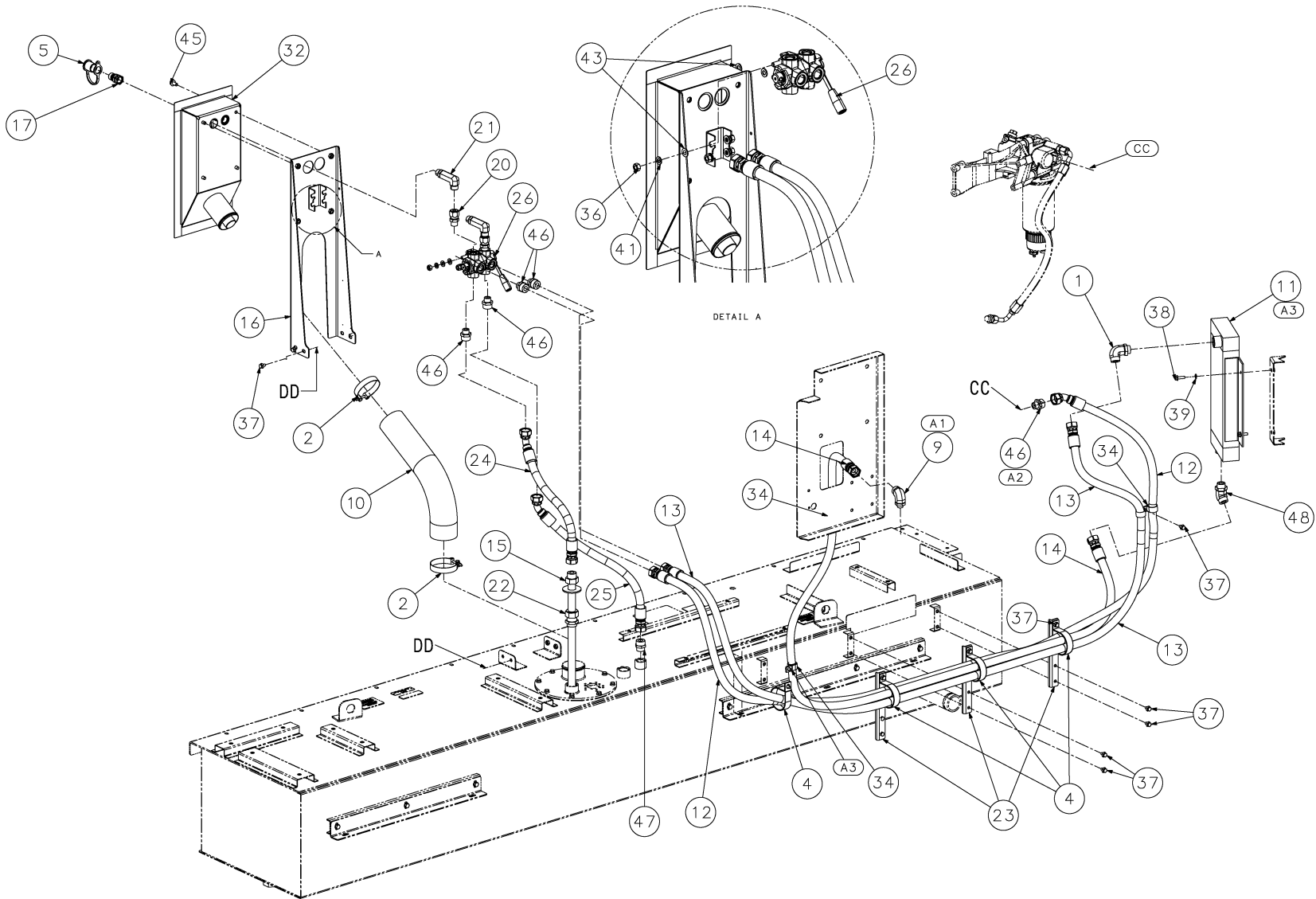
1	THREADED CONNECTIONS TO BE SEALED WITH LOCTITE THREAD SEALANET 567 OR EQUAL
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1.27 Fuel system



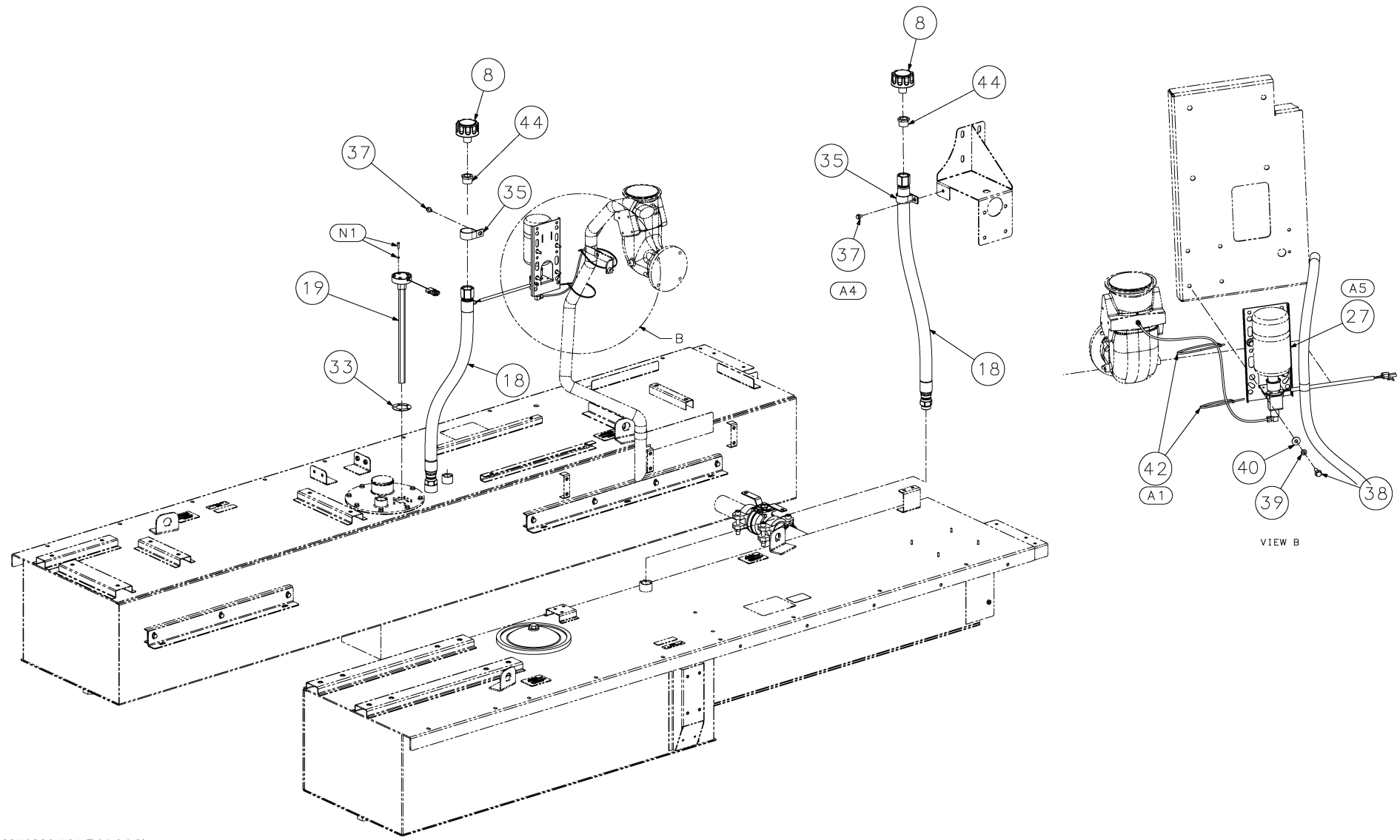
02250226-785 R01 (sh1)

1.27 Fuel system



02250226-785 R01 (sh2)

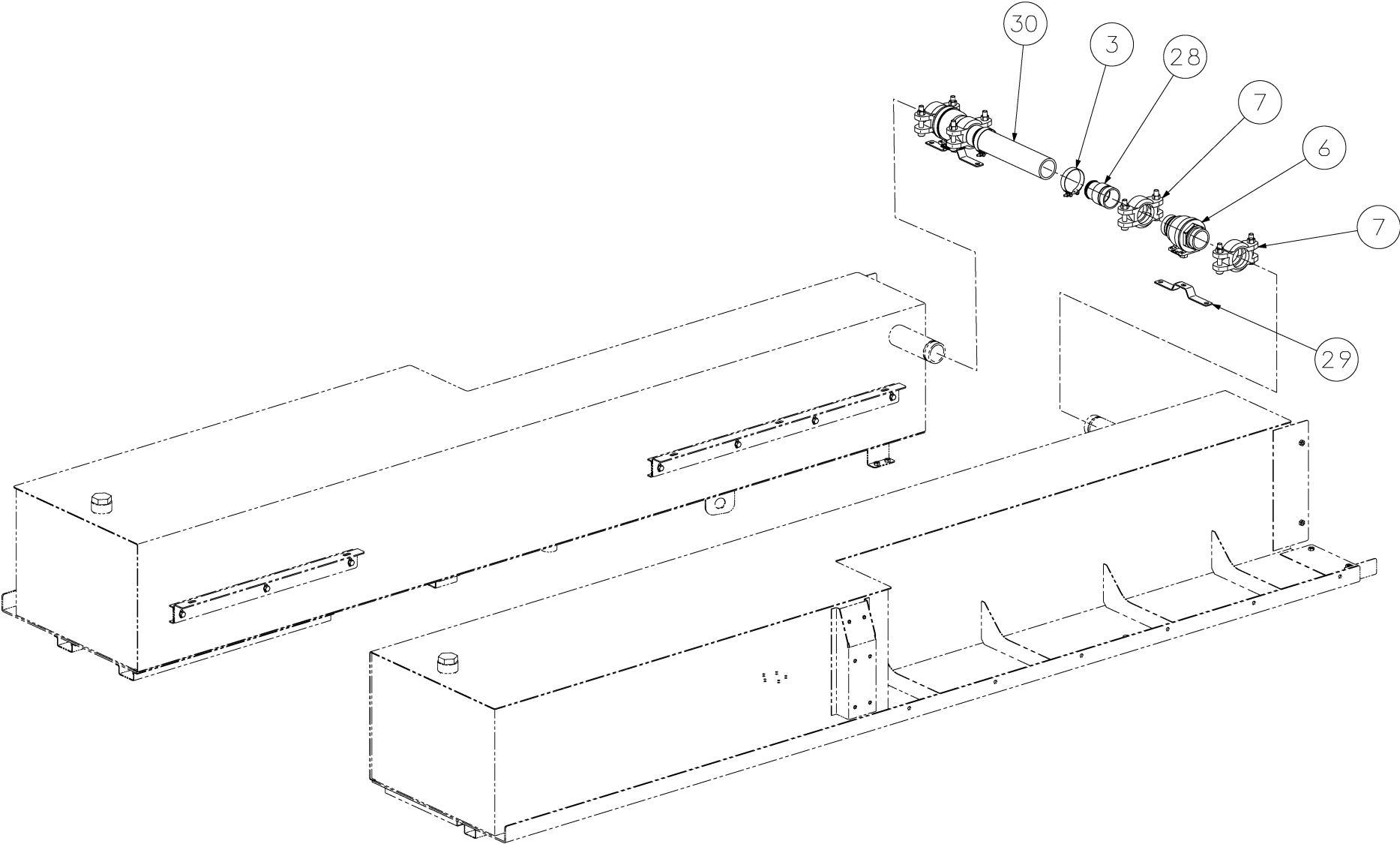
1.27 Fuel system



02250226-785 R01 (sh3)



1.27 Fuel system



02250226-785 R01 (sh4)



1.27 Fuel system

Key	Part number	Qty	Description	Notes
1	02250099-766	1	ELBOW,90 SAE X ORFS 0.75"	
2	02250129-227	2	CLAMP, T-BOLT SS BAND 3.50" I.D	
3	02250140-868	2	CLAMP,T-BOLT SS BAND 2.50" ID	
4	02250162-347	4	CLAMP, HOSE O.D. 3.000	
5	02250164-185	2	COVER, DUST FUEL CONN. 1/2 FM	
6	02250186-762	2	VALVE, BALL 2.0" W/LOCKABLE HANDLE	
7	02250186-764	4	COUPLING, FLEX 2.0"	
8	02250210-176	2	VENTILATOR,FUEL 4 MICRON	
9	02250216-269	1	ELBOW,STR THD/ORFS 3/4X1/2	
10	02250219-784	1	HOSE,FUEL FILLER NECK 1600J	
11	02250219-848	1	COOLER,FUEL 1600	
12	02250219-899	1	HOSE,ASSY LP 3/4ID X 129 OAL	
13	02250219-900	1	HOSE,ASSY LP 3/4IDX120 OAL	
14	02250220-100	1	HOSE,ASSY LP 3/4ID X 108" OAL	
15	02250220-580	1	TUBE,FUEL PICK UP 1600J	
16	02250220-584	1	SUPPORT,BRACKET FUEL VALVE 1600J	
17	02250220-608	2	COUPLING,QUICK DISCNT M 7/8-14 ORB	
18	02250220-845	2	HOSE,SENDER, 1" X 34" OAL	
19	02250221-000	1	SENDER,FUEL LEVEL 1600J	
20	02250221-063	2	CONNECTOR,STR THD SWV 1X 7/8	
21	02250221-259	2	ELBOW,90 M LNG STR THD/ORFS 5/8	
22	02250222-215	1	CONNECTOR,TUBE X SAE SPCL SS 1.00"	
23	02250223-676	3	SUPPORT,BRACKET FUEL	
24	02250224-925	1	HOSE,ASSY LP 3/4ID X 20.5OAL	
25	02250224-931	1	HOSE,ASSY LP 3/4ID X 24 OAL	
26	02250224-952	1	VALVE,FUEL DIV SPL 3-WAY SAE-10	
27	02250225-284	1	ETHER,START AID 24V	
28	02250235-617	2	PIPE ASSEMBLY,2.00OD X 2.00 VIT	
29	02250235-618	2	HANDLE,VALVE BALL 2.0"	

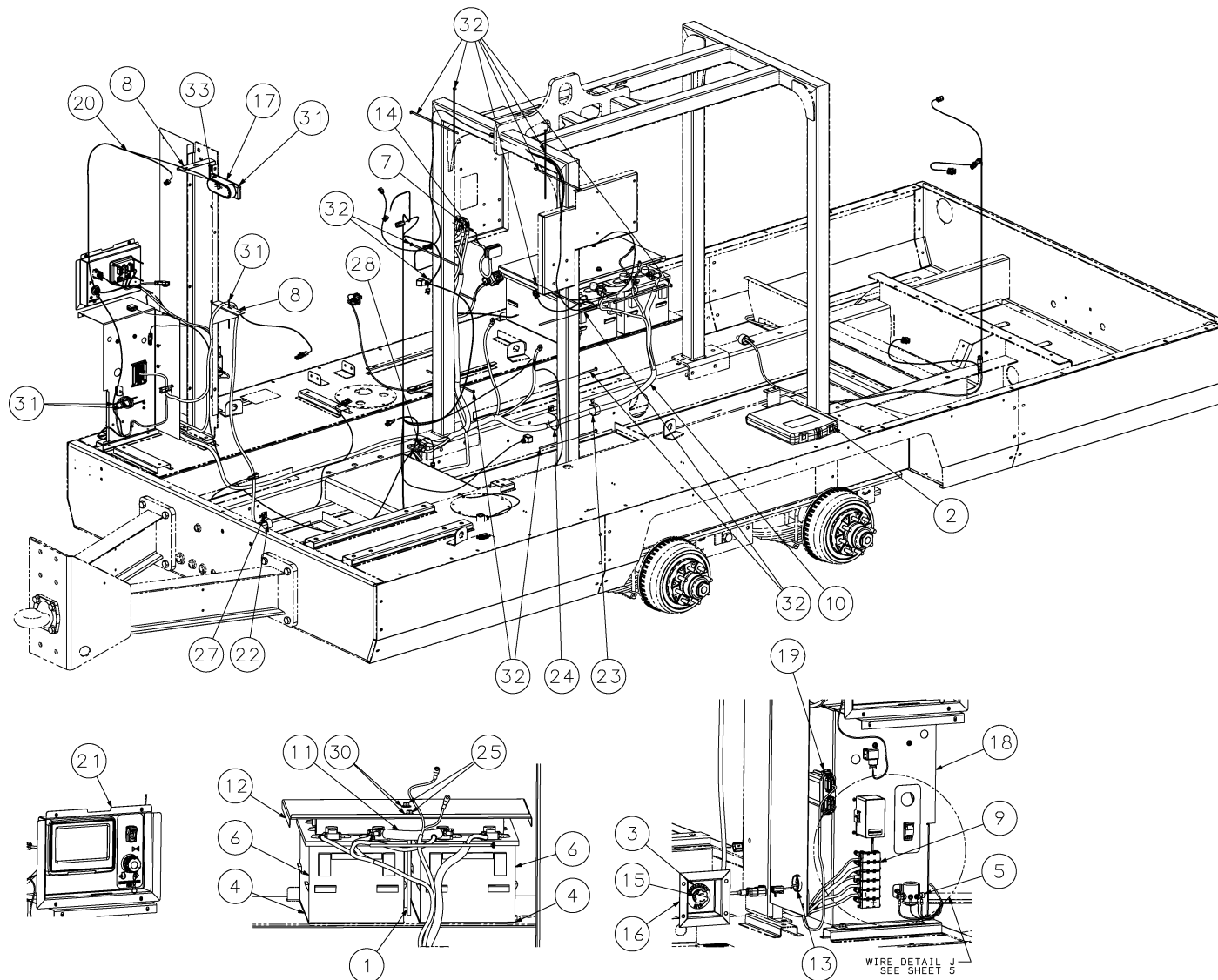
1.27 Fuel system

Key	Part number	Qty	Description	Notes
30	02250235-664	1	HOSE,FUEL TNK 2.0" ID X 12.0	
31	02250235-747	2	DECAL,TRANSPORT CANADA	
32	02250246-515	1	PANEL, FUEL FILL 1600F TIER4	
33	250004-752	1	GASKET, FUEL GAUGE NEOPRENE	
34	408300-005	4	CLAMP, HOSE O.D. 1.062	
35	408300-008	2	CLAMP, HOSE O.D. 1.750	
36	825910-150	4	NUT, HEX METRIC M10 X 1.5	
37	829705-050	19	SCREW, HX SER WASH 5/16 X 1/2"	
38	829705-100	6	SCREW, HX SER WASH 5/16 X 1"	
39	837805-078	6	WASHER,SPRLOCK REG PLTD 5/16	
40	838205-071	4	WASHER,PL-B REG PLTD 5/16	
41	838810-220	4	WASHER, SPRLOCK METRIC M10	
42	843201-025	2	WRAP, TIE NYLON TF4-8X	
43	865410-210	8	WASHER, ISO 7089-10-200HV	
44	868904-030	2	BUSHING, RED HEX 1 X 3/4 PLT	
45	884306-075	4	SCREW,HEX SER WASH 3/8-16X3/4	
46	884412-088	5	CONNECTOR,STR THD/ORFS 7/8X 3/4"	
47	884412-106	1	CONNECTOR,STR THD/ORFS 1 1/16X3/4	
48	892612-106	1	ELBOW,45M STR THD/ORFS 3/4	

Drawing notes

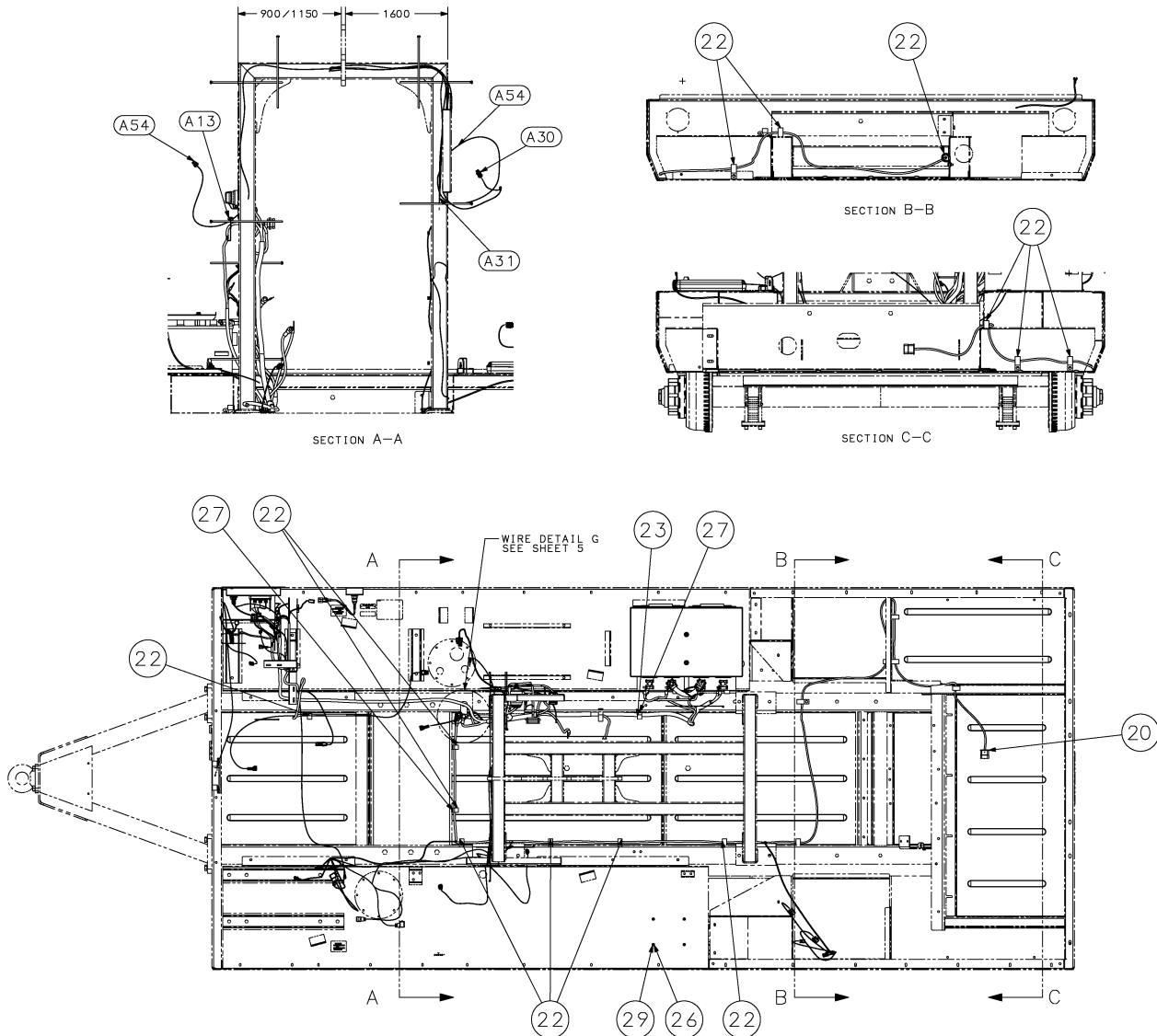
A1	TO ENGINE
A2	TO FUEL FILTER
A3	TO LIFT BAIL
A4	TO SUPPORT BRACKET
A5	TO LIFT BAIL BRACKET
CC	TO FUEL FILTER
DD	TO FUEL TANK
1	INCLUDED WITH FUEL LEVEL SENDER.

1.28 Electrical & control system



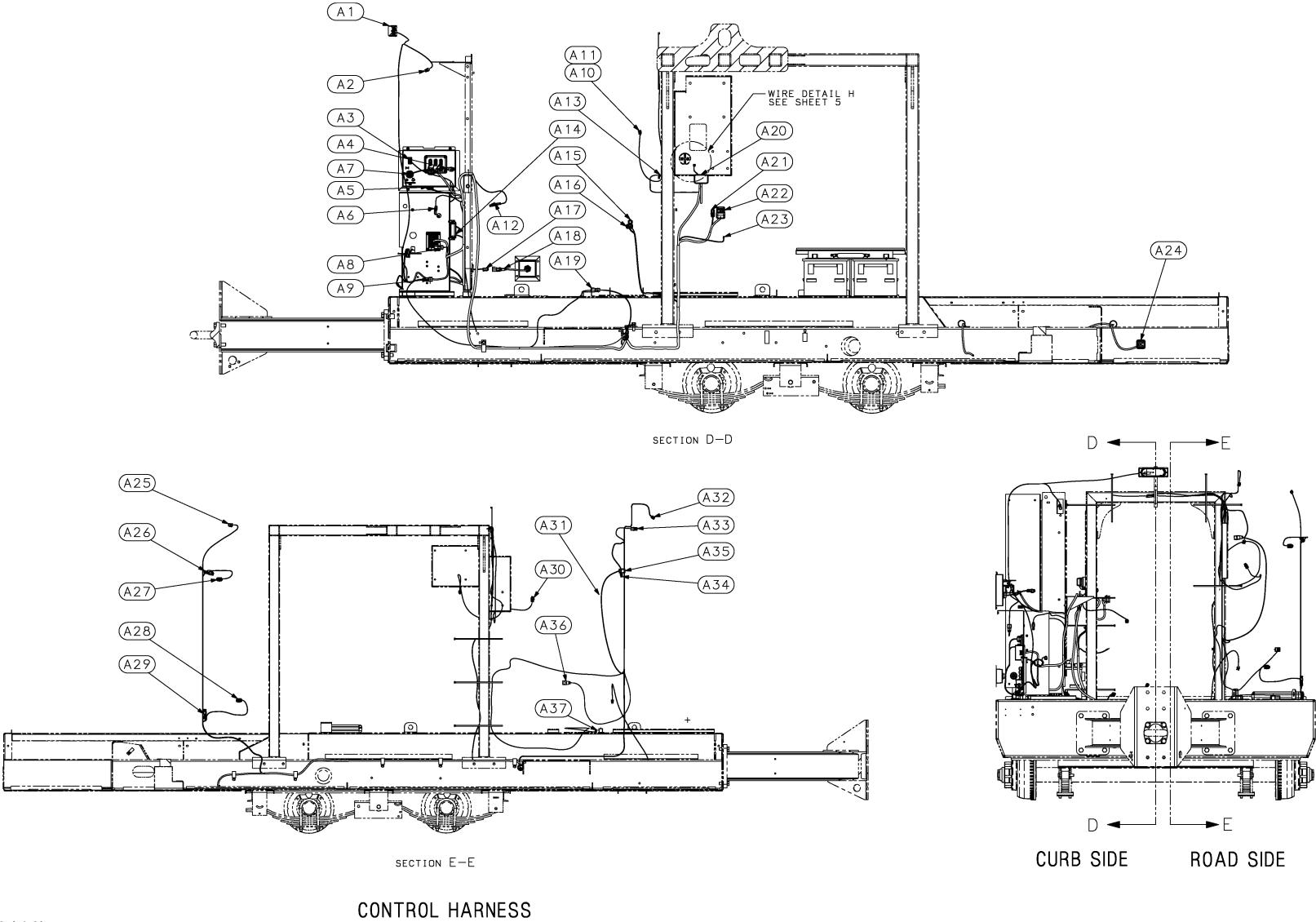
02250223-440 R13 (sh1)

1.28 Electrical & control system



02250223-440 R13 (sh2)

1.28 Electrical & control system

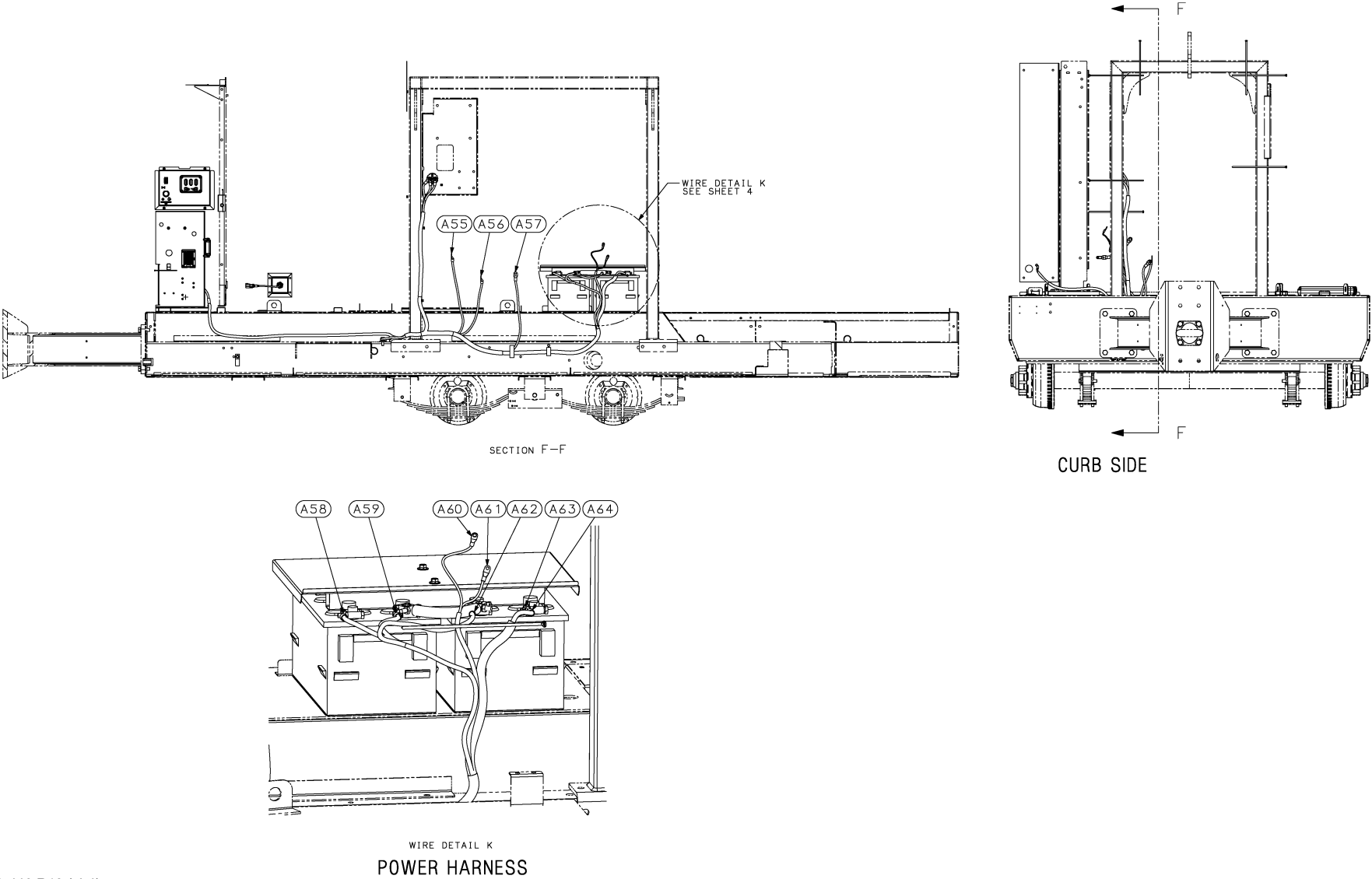


02250223-440 R13 (sh3)



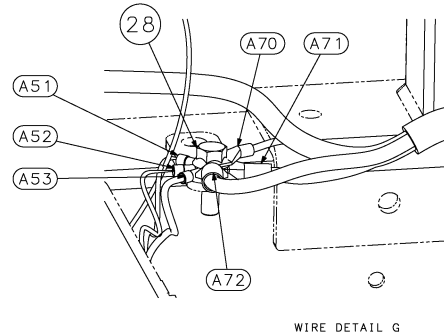
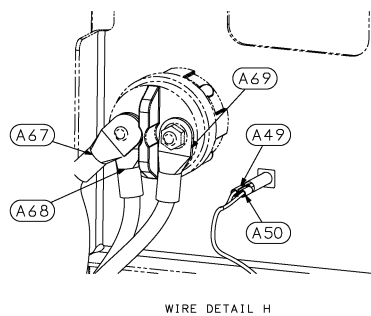
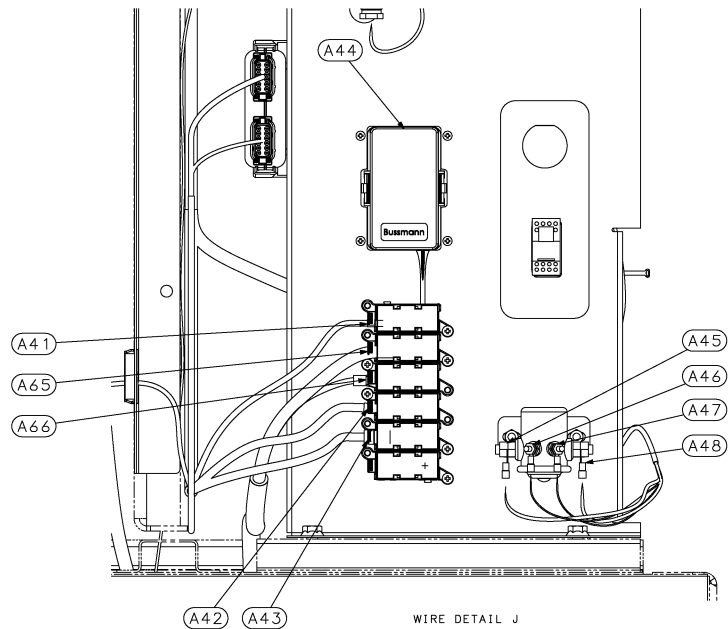
02250248-732 R04
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.28 Electrical & control system



02250223-440 R13 (sh4)

1.28 Electrical & control system



WIRE DETAILS

02250223-440 R13 (sh5)

1.28 Electrical & control system

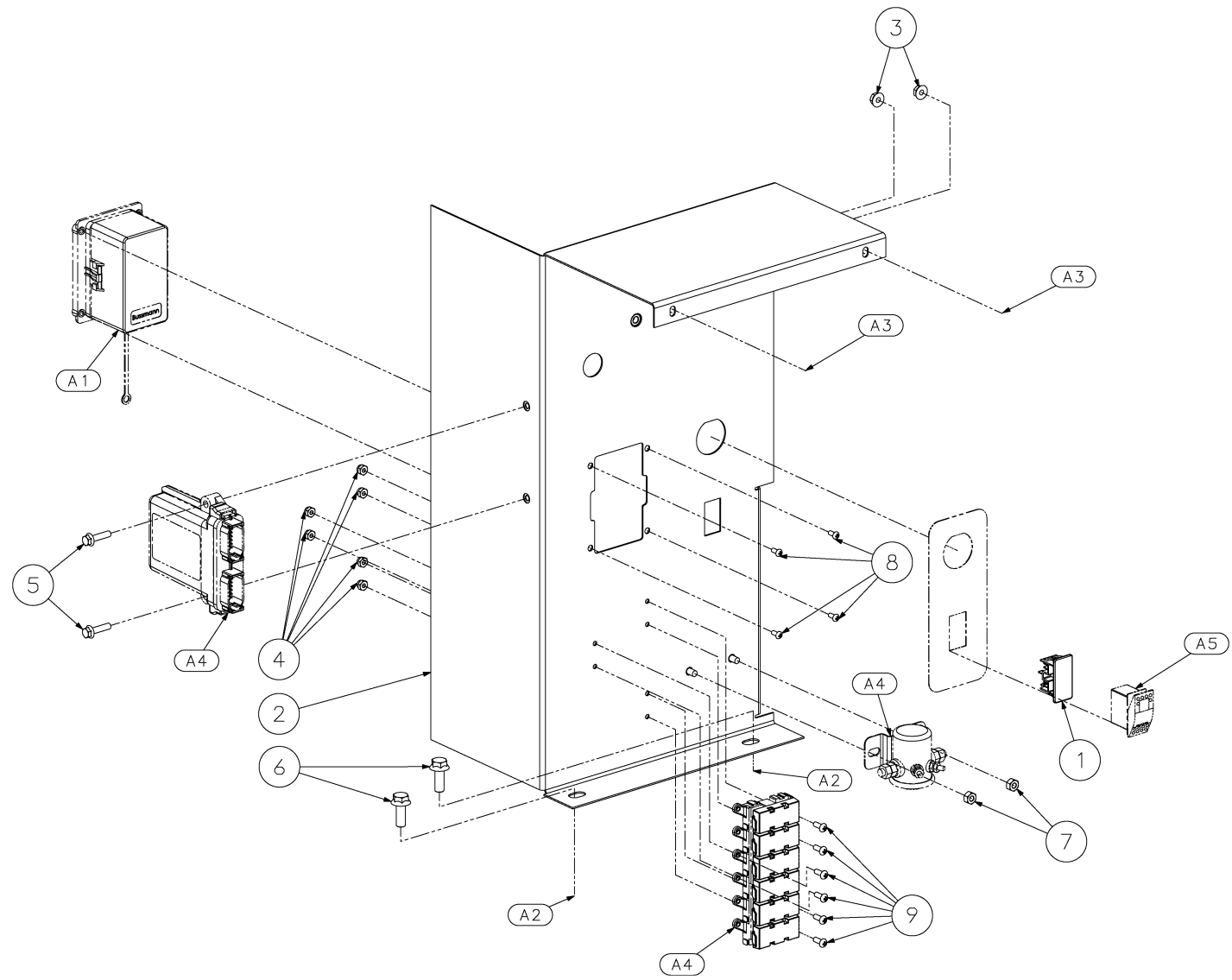
Key	Part number	Qty	Description	Notes
1	02250123-122	2	ROD, HOLDDOWN 3/8 X 11.25 (250	
2	02250157-353	1	ENCLOSURE,MANUAL 8.5X11X1.625	
3	02250163-821	1	PLATE,COVER LRG PORT E-STOP YLW	
4	02250167-768	2	MAT, NEOPRENE ANTI-SLIP UNDER	
5	02250169-189	1	RELAY,24VDC AIR STOP VALVE	
6	02250176-460	2	BATTERY,8D/12 VOLT - WET	
7	02250213-058	1	SWITCH,BATTERY DISCONNECT	
8	02250220-377	2	SUPPORT,BRACKET 1600	
9	02250220-452	1	PANEL,POWER DIST. MODULE	
10	02250221-250	1	HARNESS,1600J POWER	
11	02250221-477	1	CABLE,BATY BLACK 3/0 X 6.0	
12	02250223-489	1	COVER,BATTERY 1600J	
13	02250224-893	1	GROMMET,1.75 DIA	
14	02250225-662	1	LAMP,LED RED 24V	
15	02250242-488	1	SWITCH,E-STOP	
16	02250247-483	1	PANEL,E-STOP 1600K	
17	1000-4761	1	LAMP,STROBE 12/24 VDC	
18	1003-6887	1	SUB ASSEMBLY,MODULAR,MOUNTING PANEL 1600	
19	1003-7247	1	CONTROL,CL-451 I/O	
20	1003-7705	1	HARNESS,1600J CONTROL	
21	1007-7244	1	SUB ASSEMBLY,MODULAR,INST PNL 1600J	
22	408300-007	13	CLAMP, HOSE O.D. 1.500	
23	408300-008	1	CLAMP, HOSE O.D. 1.750	
24	408300-010	1	CLAMP, HOSE O.D. 2.750	
25	825306-347	2	NUT, HEX FLGD PLTD 3/8-16	
26	825502-083	4	NUT, HEX LOCKING PLTD 10-24	
27	829705-075	10	SCREW, HX SER WASH 5/16 X 3/4"	

1.28 Electrical & control system

Key	Part number	Qty	Description	Notes
28	829708-150	1	SCREW,HEX SER WASH1/2-13X1 1/2	
29	838202-045	4	WASHER,PL-B REG PLTD #10	
30	838206-071	2	WASHER,PL-B REG PLTD 3/8"	
31	843201-024	4	WRAP, TIE NYLON TY 24MX	
32	843201-027	12	WRAP, TIE NYLON TY27MX	
33	884306-075	2	SCREW,HEX SER WASH 3/8-16X3/4	

Notes:

1.29 Mounting panel sub-assembly



1003-6887 R03

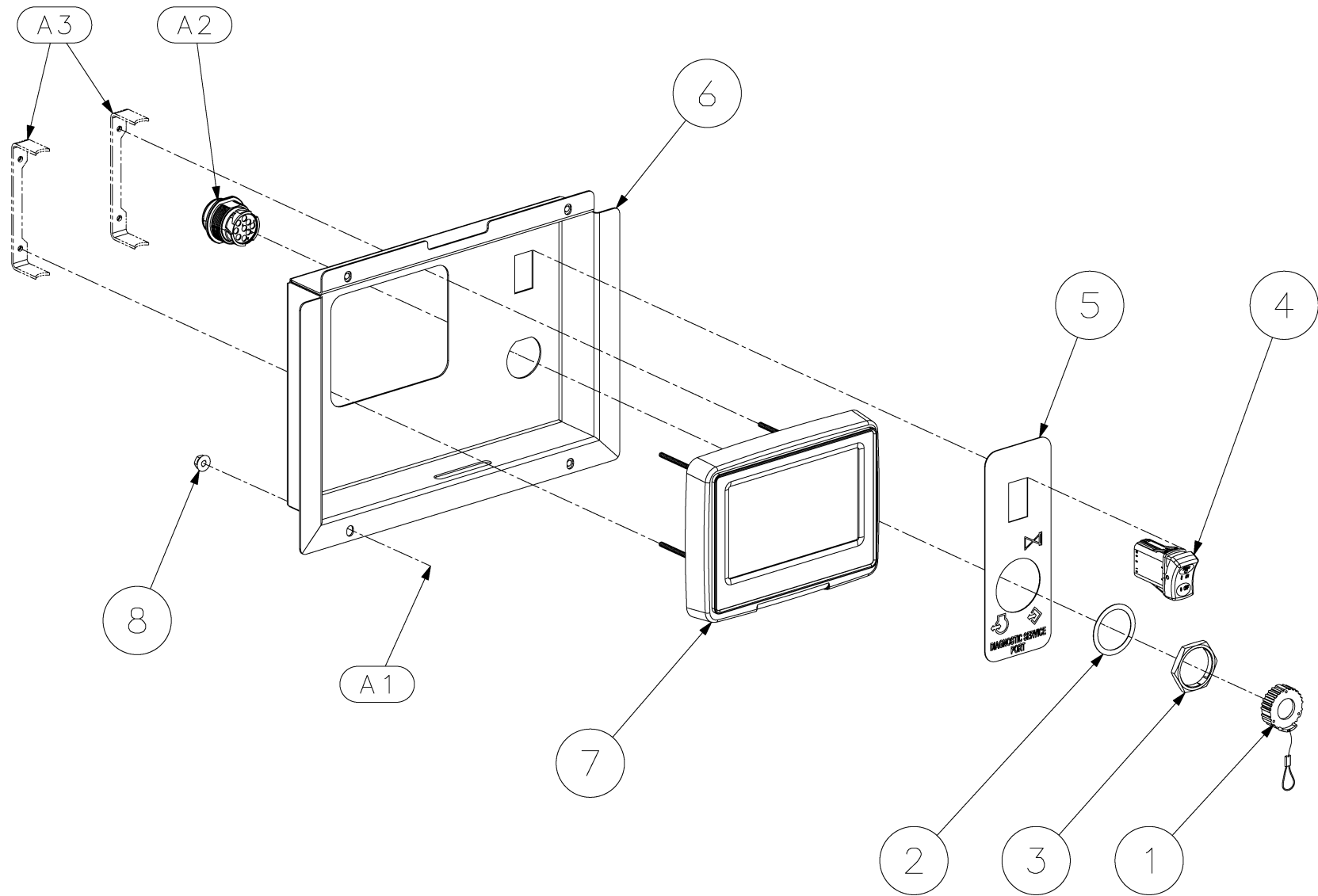
1.29 Mounting panel sub-assembly

Key	Part number	Qty	Description	Notes
1	02250166-194	1	PLUG, SWITCH SINGLE PRESS MACH	
2	1005-3662	1	SUPPORT, BRACKET PNL 1600	
3	825304-236	2	NUT, HEX FLGD PLTD 1/4-20	
4	825502-083	6	NUT, HEX LOCKING PLTD 10-24	
5	829704-100	2	SCREW, HX SER WASH 1/4" X 1"	
6	829706-100	2	SCREW, HX SER WASH 3/8 X 1"	
7	866504-226	2	NUT, HEX 1/4-20 PLT	
8	876001-038	4	SCREW, RND PHILLIPS 8-32 X 3/8"	
9	876002-050	6	SCREW, RND PHILLIPS 10-24 X 1/2"	

Drawing notes

A1	SUPPLIED WITH HARNESS
A2	MOUNTED TO FUEL TANK
A3	MOUNTED TO CANOPY
A4	CALLED OUT ON ASSEMBLY 02250223-440
A5	SWITCH USED WHEN ASO OPTION IS SELECTED WITHOUT BLANK PLUG

1.30 Instrument panel sub-assembly



1007-7244 R00

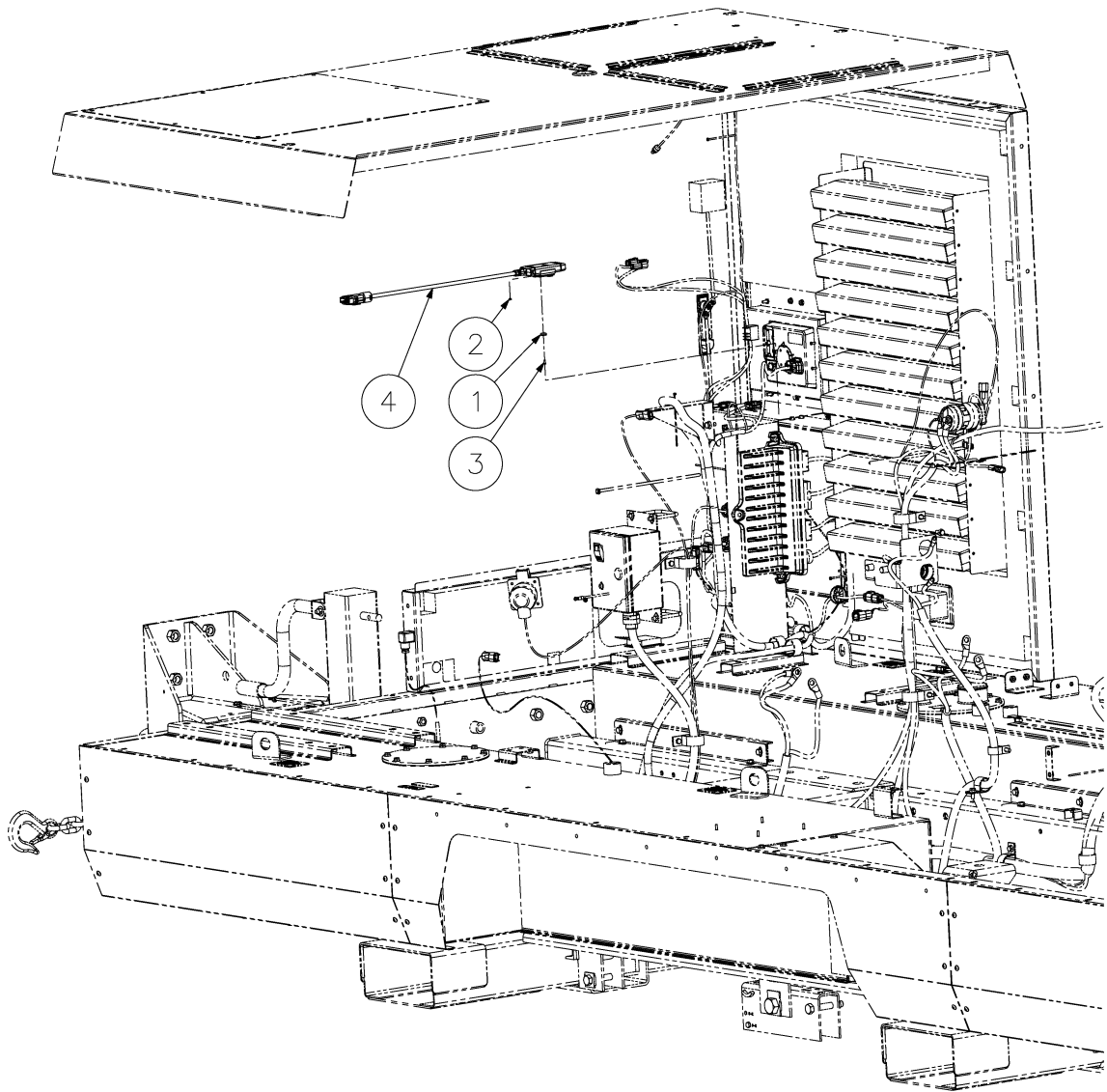
1.30 Instrument panel sub-assembly

Key	Part number	Qty	Description	Notes
1	02250226-835	1	ECONN,DUST CAP	
2	02250245-932	1	WASHER,LOCKWASHER	
3	02250245-934	1	NUT,PANELNUT	
4	02250252-540	1	SWITCH,W-SERIES 24V W/LED	
5	1005-3656	1	DECAL,DIAG SERVICE PORT	
6	1005-3657	1	ENCLOSURE,CTL BX LG PORT T4F/STGV	
7	1005-3663	1	SUB ASSEMBLY,MODULAR,C7 HMI HW & SW	
8	825304-236	4	NUT, HEX FLGD PLTD 1/4-20	

Drawing notes

A1	MOUNTED TO CANOPY
A2	SUPPLIED WITH HARNESS
A3	PART OF CONTROLLER DISPLAY

1.31 Telematics



02250236-846 R04

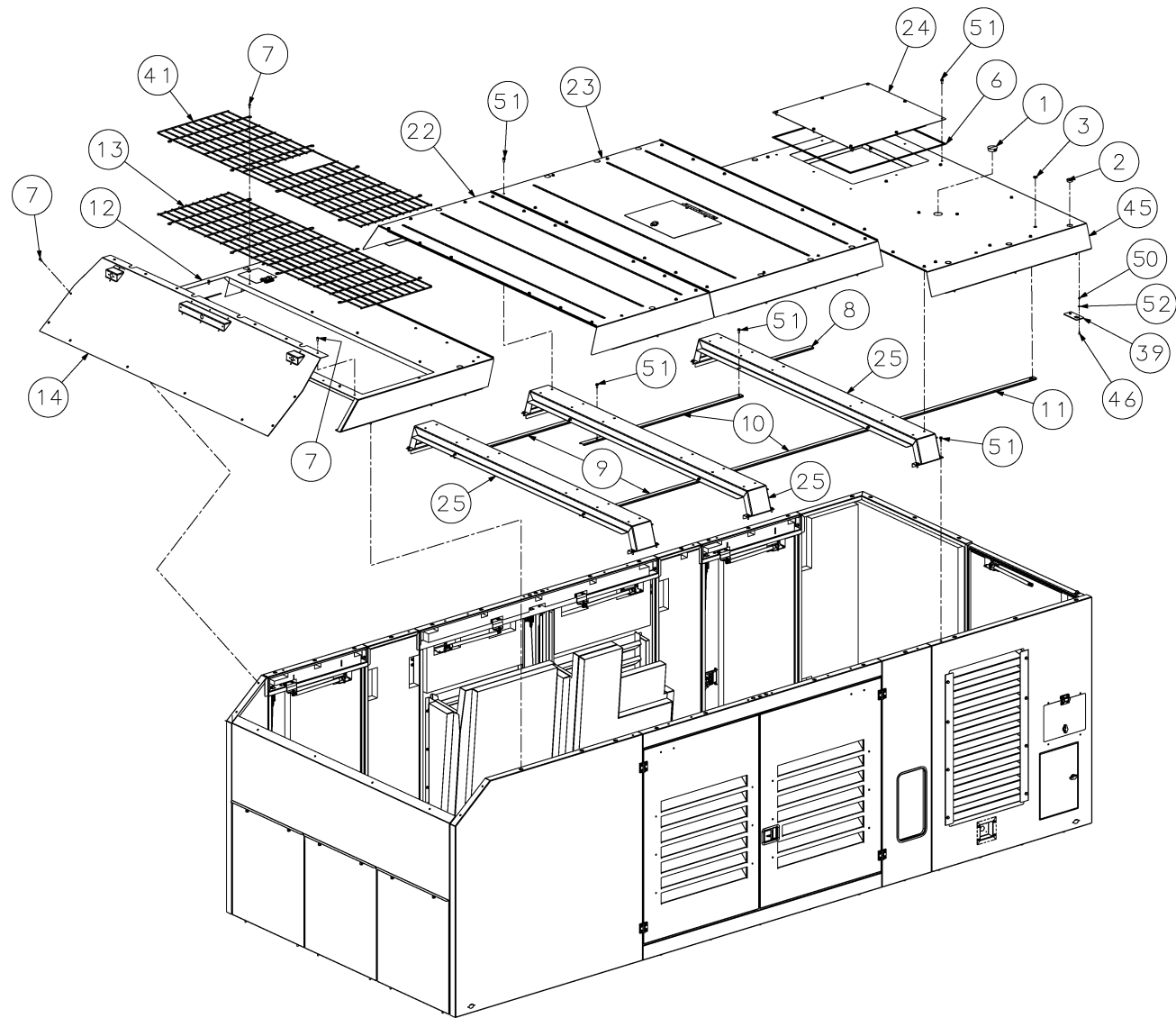


02250248-732 R04
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.31 Telematics

Key	Part number	Qty	Description	Notes
1	1001-0518	4	MOUNT,MAGNET	
2	1001-0685	4	NUT,HEX METRIC M3.5 X 0.6	
3	1004-3984	4	SCREW,REC CSUNK FLTHD M3.5X10	
4	1005-9636	1	MODEM,TELEMATICS TU700	

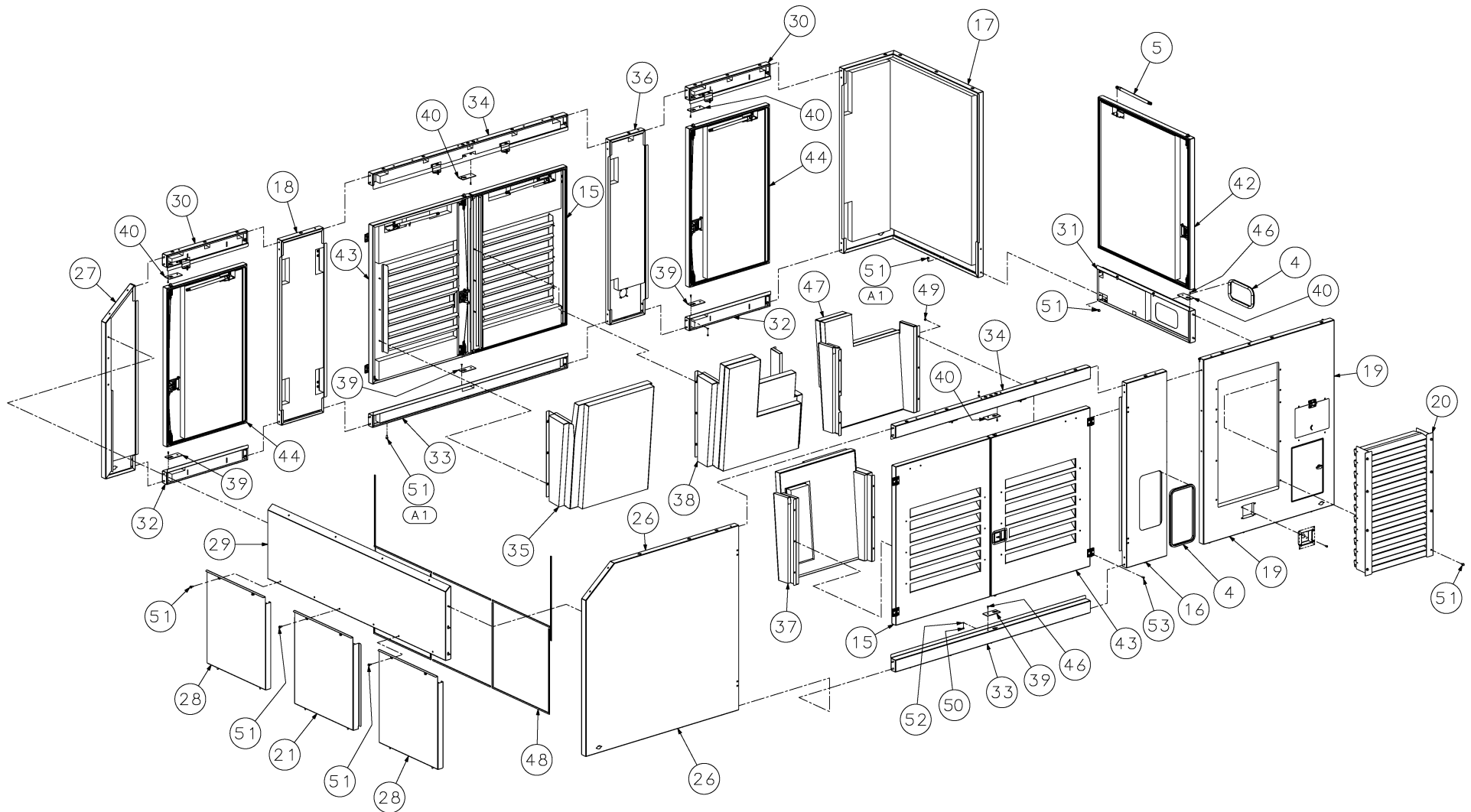
1.32 Canopy



02250255-816 R01 (sh1)

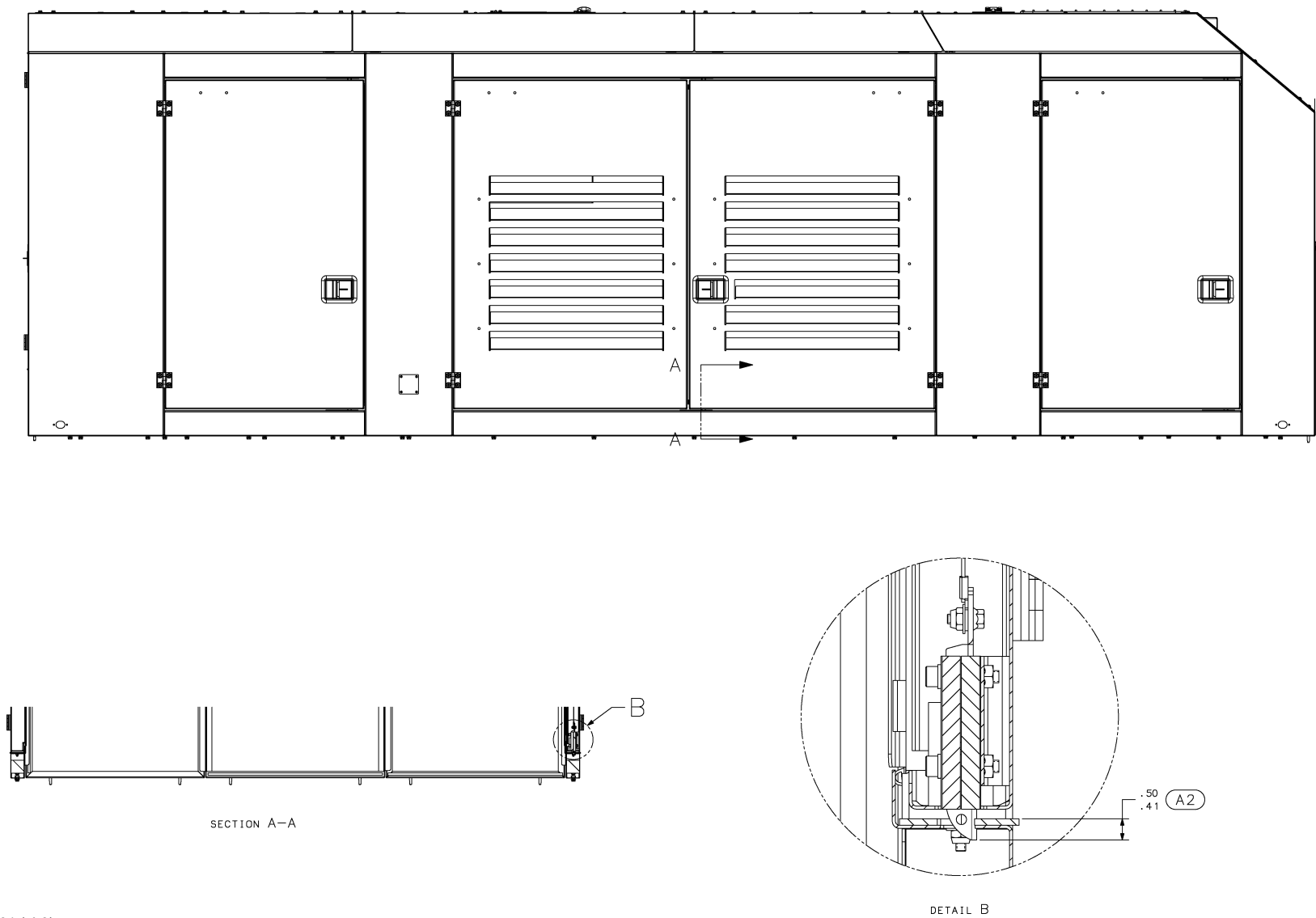


1.32 Canopy



02250255-816 R01 (sh2)

1.32 Canopy



02250255-816 R01 (sh3)

1.32 Canopy

Key	Part number	Qty	Description	Notes
1	02250046-048	1	PLUG, PLASTIC BLACK 2.00 DIA	
2	02250119-649	6	PLUG,HOLE BLACE NYLON 1.375"	
3	02250163-473	1	PLUG, PLASTIC .75 DIA	
4	02250165-862	7	SEAL, CLIP-ON BAFFLES 185 60HP	FEET
5	02250188-402	7	SPRING,GAS PISTON DOOR T4	
6	02250201-303	10	GASKET,EPDM .39 X .12 W/ADH BLK	FEET
7	02250220-509	36	SCREW,SOCKET BTN HD 5/16-3/4 BLZN	
8	02250221-424	1	SUPPORT,INSUL ROOF 21" LG 1600J	
9	02250223-888	2	SUPPORT,INSUL ROOF 40" LG 1600J	
10	02250223-889	2	SUPPORT,INSUL ROOF 50" LG 1600J	
11	02250224-360	1	SUPPORT,INSUL ROOF FRT 1600J	
12	02250224-971	1	PANEL,ROOF EXHST END	
13	02250224-976	1	GRILLE,WIRE EXHAUST 1600J ROOF	1600J
14	02250226-806	1	PANEL,ROOF REAR ANL 1600J	
15	02250232-281	2	PANEL,DR LH ACCESS	
16	02250232-283	1	PANEL,CAN LH MID	
17	02250232-285	1	PANEL,CAN FRT RH	
18	02250232-288	1	PANEL,CAN RH MID	
19	02250232-338	1	PANEL,CAN FRT LH	
20	02250232-354	1	LOUVER,ASSY SIDE AF GRN	
21	02250232-367	1	PANEL,CAN REAR MID	
22	02250232-371	1	PANEL,ROOF REAR 1600	
23	02250232-373	1	PANEL,ROOF MID 1600	
24	02250232-383	1	PANEL,CVR SEP ACCESS	
25	02250232-872	3	SUPPORT,ROOF PNLS	
26	02250237-186	1	PANEL,CAN LH REAR 1600	
27	02250237-248	1	PANEL,CAN RH REAR 1600K	
28	02250237-649	2	PANEL,CAN REAR L-R	
29	02250237-661	1	PANEL,CAN REAR SUPT	

1.32 Canopy

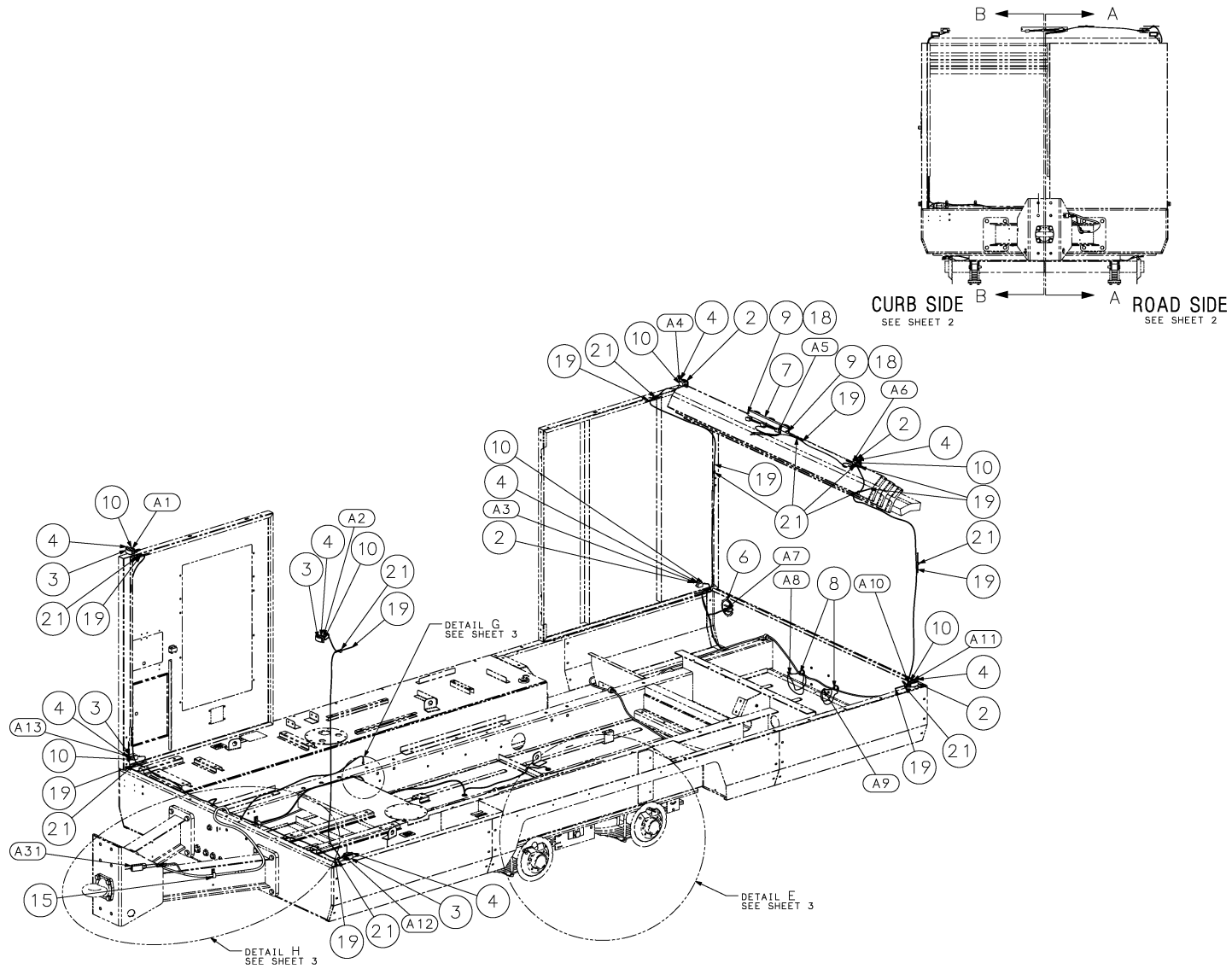
Key	Part number	Qty	Description	Notes
30	02250241-326	2	CHANNEL,DR LH-RH FRT UPR	
31	02250246-642	1	PANEL,CAN FTR LOW 1600J RP	
32	02250246-657	2	CHANNEL,LOW DR RH FRT 1600J RP	
33	02250246-659	2	CHANNEL,LOW DR JAM L-R 1600J RP	
34	02250246-661	2	CHANNEL,UP DR JAM L-R 1600J RP	
35	02250246-664	1	BAFFLE,RH-RH DOOR 1600J RP	
36	02250247-527	1	PANEL,CAN RH MID 1600J	
37	02250249-962	1	BAFFLE,LH-LH DOOR 1600J RP	
38	02250249-963	1	BAFFLE,RH-LH DOOR 1600 RP	
39	02250249-976	5	INSERT,DOOR BOTTOM 1/8 X 2-5/16	
40	02250249-977	5	INSERT,DOOR TOP 1/8 X 2-5/16	
41	02250250-319	1	GRILLE,WIRE EXHAUST 1600J ROOF	1600J CMS
42	02250255-819	1	PANEL,DR FRT 1600J RP	
43	02250255-820	2	PANEL,DR RH ACCESS 1600J RP	
44	02250255-821	2	DOOR,DR LH-RH ACCESS FRT	
45	02250255-978	1	PANEL,ROOF FRT 1600J	
46	02250256-569	20	SCREW,SOCKET HD FLAT 10-24X5/8 SS	
47	02250259-737	1	BAFFLE,LH-RH DOOR 1600	
48	250022-436	23	WEATHERSTRIP,3/16 X 3/8 FT	FEET
49	825304-236	24	NUT, HEX FLGD PLTD 1/4-20	
50	825502-083	20	NUT, HEX LOCKING PLTD 10-24	
51	829705-075	189	SCREW, HX SER WASH 5/16 X 3/4"	
52	838202-045	20	WASHER, PL-B REG PLTD 10	
53	890508-020	28	SCREW,FH TORX M8X20 SS BLK	

Drawing notes

A1	TO FRAME
A2	ADJUST SLIDE BOLT BRACKET TO ACHIEVE MINIMUM ENGAGEMENT

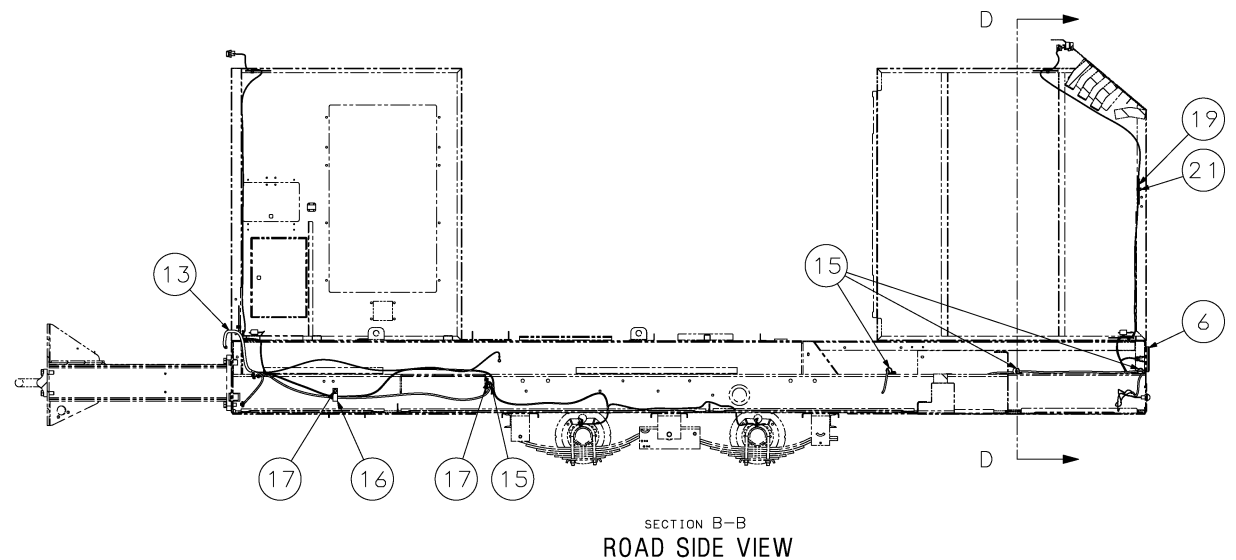
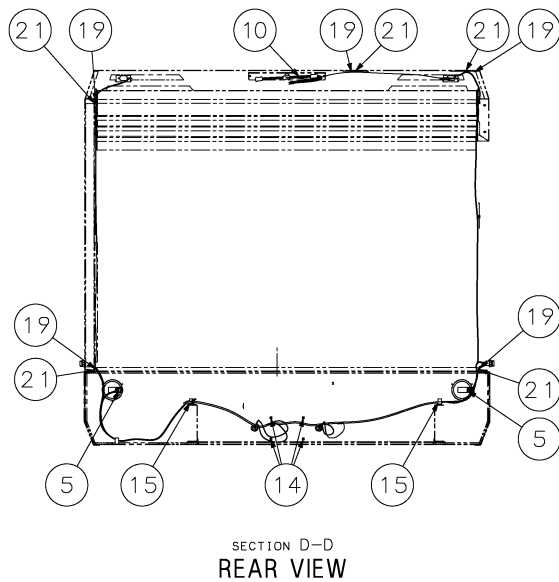
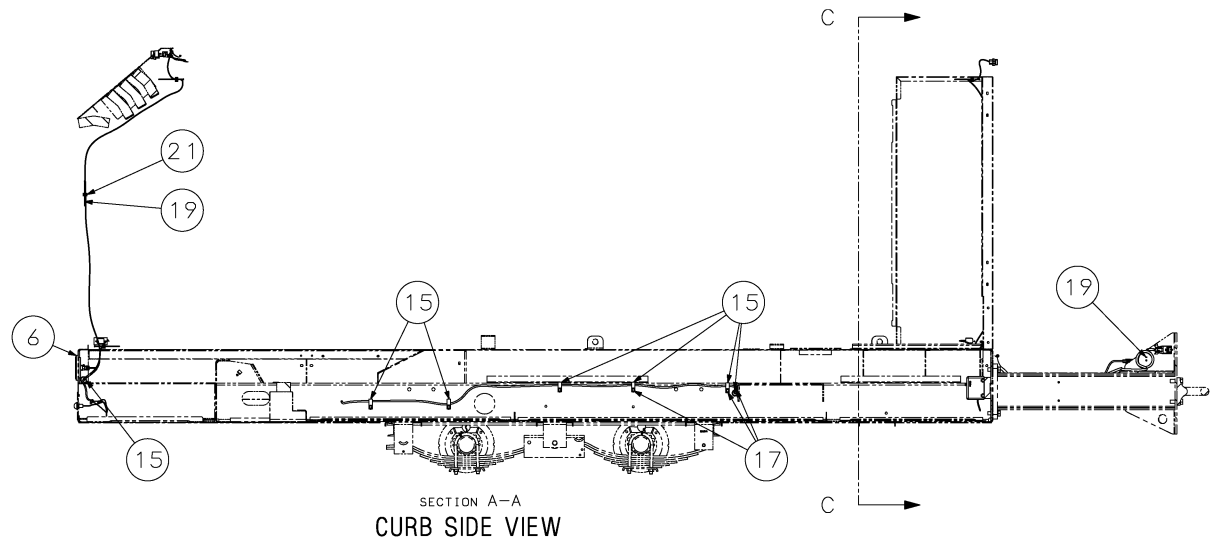
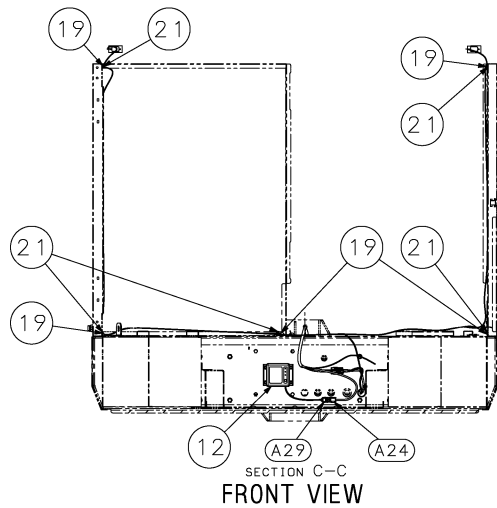
Notes:

1.33 Trailer harness



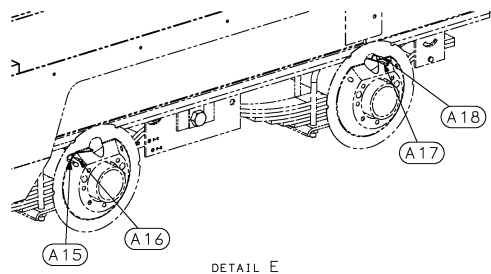
02250224-605 R05 (sh1)

1.33 Trailer harness

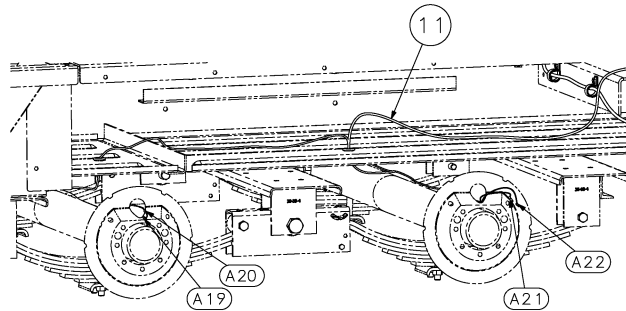


02250224-605 R05 (sh2)

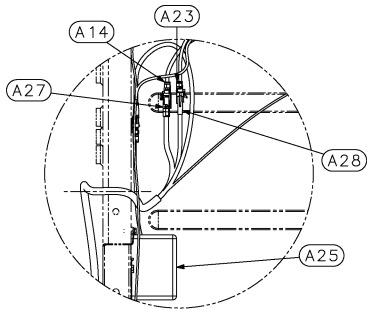
1.33 Trailer harness



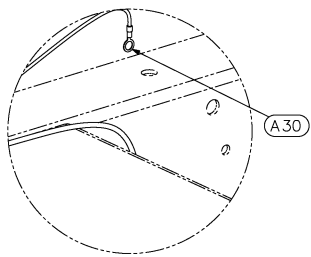
DETAIL E



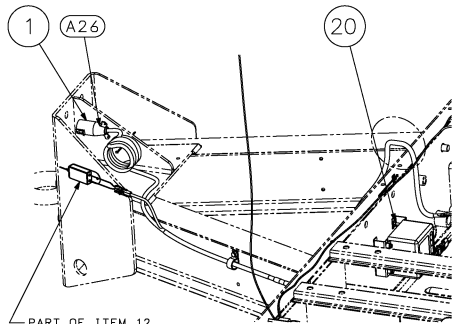
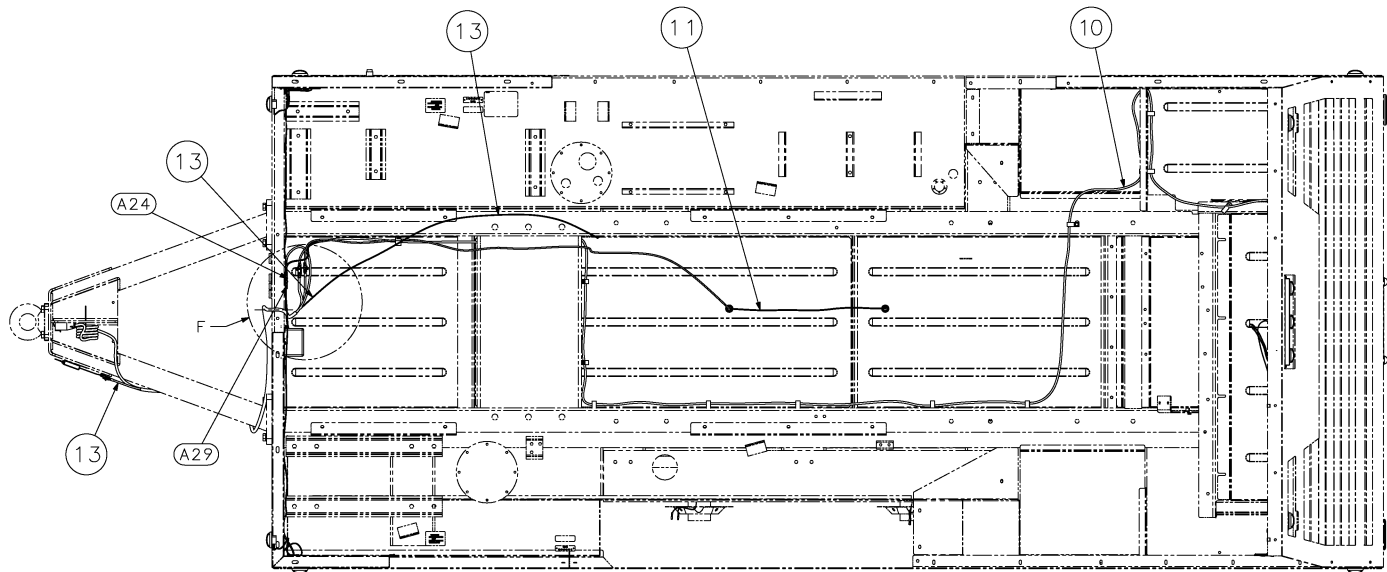
DETAIL E ROTATED FOR CLARITY



DETAIL F



DETAIL G



DETAIL H

02250224-605 R05 (sh3)



1.33 Trailer harness

Key	Part number	Qty	Description	Notes
1	02250126-068	1	PLUG,7-WAY UNIVERSAL TRAILER	
2	02250139-566	4	LAMP,SIDE CLEARANCE RED	
3	02250139-567	4	LAMP,SIDE CLEARANCE YELLOW	
4	02250139-571	8	HOLDER, LAMP SIDE CLEARANCE BLK	
5	02250163-493	2	LAMP, TAIL RED LED SHK MTG	
6	02250163-494	2	GROMMET, PVC TAIL LAMP MTG	
7	02250193-713	1	LAMP, TRI-ID CLEARANCE RED LED	
8	02250219-260	2	LAMP,LICENSE SNAP IN 12V	
9	02250220-507	2	SCREW, SOCKET BTN HD #10-3/4 BLZN	
10	02250224-030	1	HARNESS,LIGHTING 1600	
11	02250224-139	1	HARNESS,BRAKES ELECT 1600	
12	02250245-604	1	SUB ASSEMBLY,MODULAR,BREAKAWAY BATT AND SW	
13	02250255-690	1	HARNESS,DISTRIBUTION 1600	
14	250006-076	4	NUT, PLASTIC LIC PLATE MTG	
15	408300-005	16	CLAMP, HOSE O.D. 1.062	
16	408300-007	1	CLAMP, HOSE O.D. 1.500	
17	829705-050	10	SCREW, HX SER WASH 5/16 X 1/2"	
18	838002-047	2	WASHER, SPRLOCK REG PLTD #10	
19	843201-024	15	WRAP, TIE NYLON TY 24MX	
20	866504-226	4	NUT, HEX 1/4-20 PLT	
21	888012-001	14	CLIP,WIRE RETAINER .03-.12	

Drawing notes

1	ALL HARNESSES WILL BE ZIP TIED TOGETHER WHEN POSSIBLE.
	ELECTRICAL NOTES:
	A1-A14 LIGHTING HARNESS
A1	CN38 CURBSIDE FRONT UPPER LIGHT (YEL)
A2	CN40 ROADSIDE FRONT UPPER LIGHT (YEL)

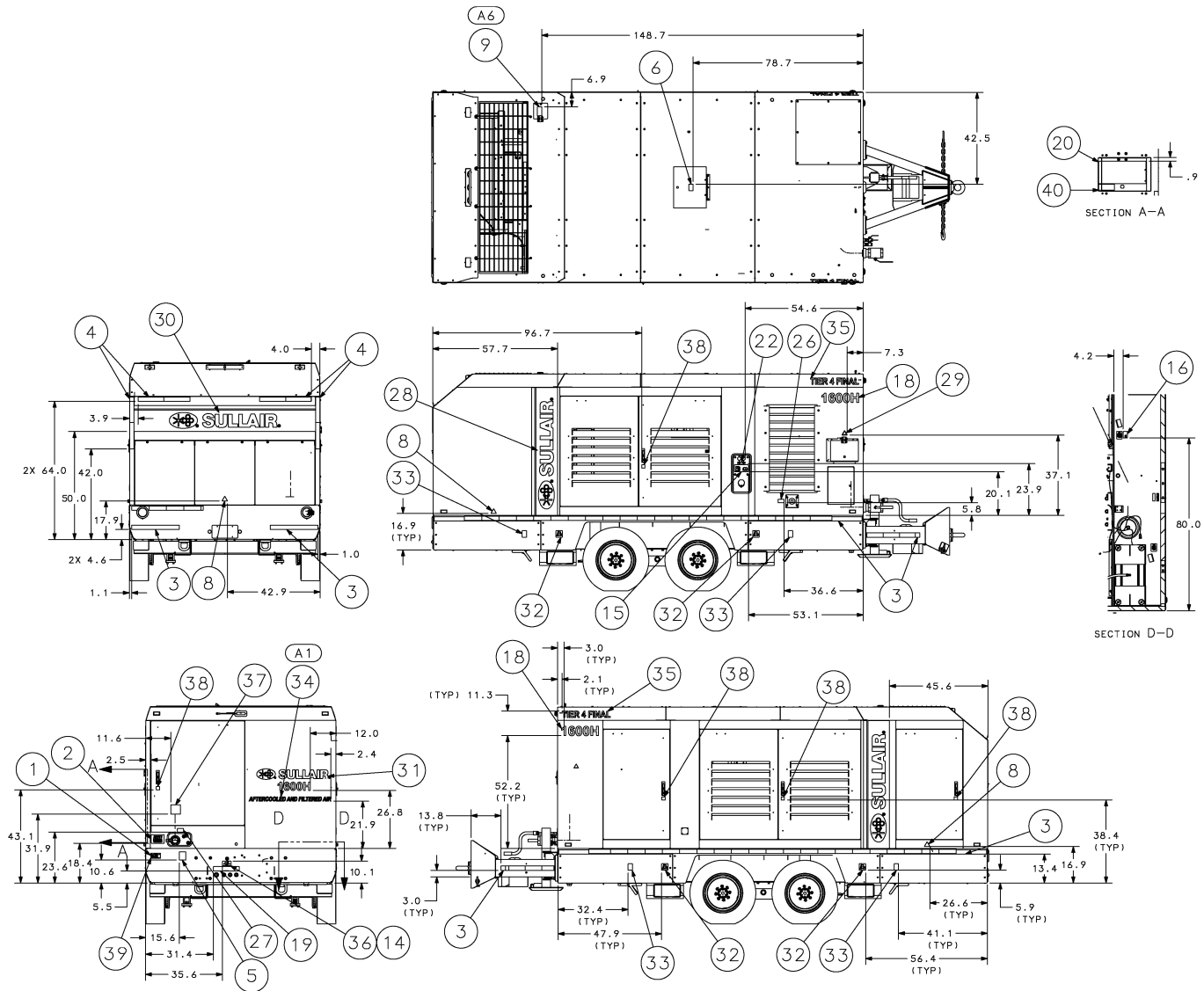
1.33 Trailer harness

Key	Part number	Qty	Description	Notes
A3	CN22		CURBSIDE REAR BOTTOM LIGHT (RED)	
A4	CN37		CURBSIDE REAR UPPER LIGHT (RED)	
A5	CN27		3-LIGHT CLEARANCE BAR	
A6	CN39		ROADSIDE REAR UPPER LIGHT (RED)	
A7	CN21		CURBSIDE TURN/STOP LIGHT	
A8	CN20		CURBSIDE LICENSE PLACE LIGHT	
A9	CN9		ROADSIDE LICENSE PLATE LIGHT	
A10	CN12		ROADSIDE TURN/STOP LIGHT	
A11	CN25		ROADSIDE REAR BOTTOM LIGHT (RED)	
A12	CN23		ROADSIDE FRONT BOTTOM LIGHT (YEL)	
A13	CN24		CURBSIDE FRONT BOTTOM LIGHT (YEL)	
A14	CN19		TRAILER LIGHTS PLUG	
	A15-A23 BRAKE HARNESS			
A15	CN35		ROADSIDE FRONT ELECT. BRAKES	
A16	CN36		ROADSIDE FRONT ELECT. BRAKES	
A17	CN33		ROADSIDE REAR ELECT. BRAKES	
A18	CN34		ROADSIDE REAR ELECT. BRAKES	
A19	CN29		CURBSIDE REAR ELECT. BRAKES	
A20	CN28		CURBSIDE REAR ELECT. BRAKES	
A21	CN31		CURBSIDE FRONT ELECT. BRAKES	
A22	CN32		CURBSIDE FRONT ELECT. BRAKES	
A23	CN18		ELECT. BRAKES	
	A24-A25 BATTERY HARNESS			
A24	CN13		BATTERY CONNECTION	
A25	BAT1		BATTERY	
	A26-A31 DISTRIBUTION HARNESS			
A26			7 WAY UNIVERSAL PLUG	

1.33 Trailer harness

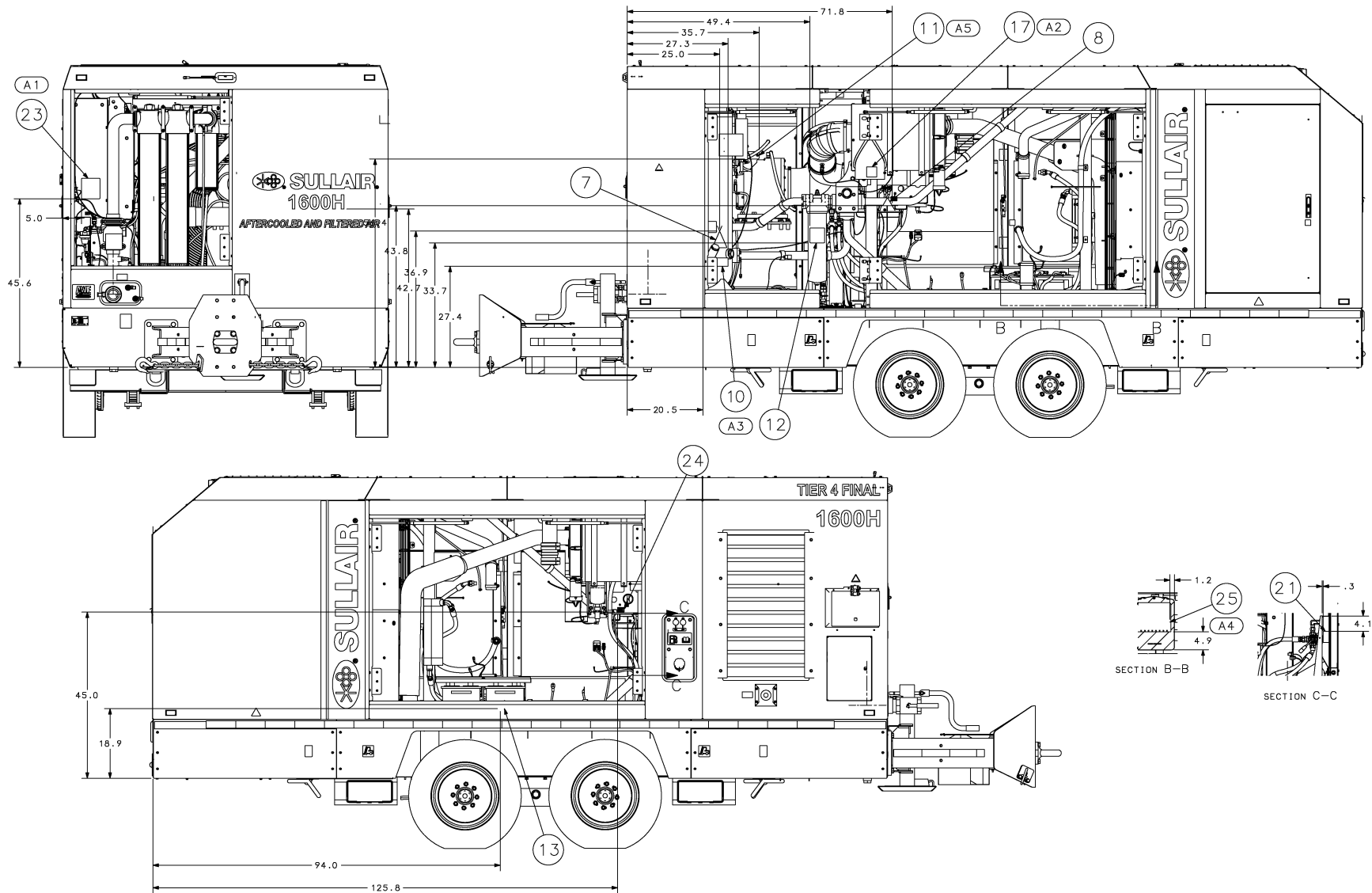
Key	Part number	Qty	Description	Notes
A27	CN5 TRAILER LIGHTS PLUG			
A28	CN2 ELECT. BRAKES			
A29	CN3 BATTERY CONNECTION			
A30	CHGND1 CHASSIS GROUND			
A31	CN17 BREAKAWAY SWITCH			

1.34 Decals, DTQ



02250220-799 R07 (sh1)

1.34 Decals, DTQ



02250220-799 R07 (sh2)

1.34 Decals, DTQ

Key	Part number	Qty	Description	Notes
1	02250059-318	1	NAMEPLATE,SULLAIR SERIAL NUMBER	
2	02250097-455	1	DECAL,5 YEAR WARRANTY AWF	
3	02250101-375	35	STRIP,CNSPCTY TAPE R/W 2"(FT)	
4	02250101-442	4	DECAL, CONSPICUITY TAPE 2" WHITE	
5	02250118-638	1	DECAL,PROP65 DSL EXHST WARNING	
6	02250171-794	1	DECAL, TIE DOWN	
7	02250171-808	1	DECAL, PRESSURIZED VESSEL	
8	02250172-271	4	DECAL, WARNING HOT SURFACES	
9	02250172-276	1	DECAL, RAD FILL/HOT/SEE MANUAL	
10	02250172-282	1	DECAL, COMPR OIL SULLAIR AWF	
11	02250172-283	1	TAG, INLET VALVE OIL CHAMBER FILL IND.	
12	02250172-298	1	DECAL, COMPR OIL FILTER ELEMENT REPL	
13	02250172-453	1	DECAL, WARNING ELECTRICAL SHOCK	
14	02250181-498	1	DECAL, DRAIN WATER CONDENSATE	
15	02250201-729	1	DECAL,ULTRA LOW SULFUR DIESEL	
16	02250203-606	1	DECAL,LOW ASH OIL CJ-4	
17	02250208-522	1	DECAL,AIR FILTER HOUSING LABEL	
18	02250221-855	2	DECAL,1600 MODEL	
19	02250222-089	1	DECAL,DRAIN PORTS 1600J	
20	02250222-191	1	DECAL,STARTUP INSTRUCTIONS	
21	02250226-861	1	DECAL,FUEL SELECTOR VALVE	
22	02250226-862	1	DECAL,FUEL SUPPLY/RETURN	
23	02250226-865	1	DECAL,VALVE POSITION STD/ACF	
24	02250226-868	1	DECAL,DEF WARNING	
25	02250226-871	1	DECAL,GENERAL MAINTENANCE	
26	02250226-980	1	DECAL,WARNING E-STOP W/TEXT	
27	02250226-981	1	DECAL,WARNING SVS VLV W/TEXT	
28	02250229-312	2	DECAL,"SULLAIR" BLACK STRIPE	
29	02250229-398	1	DECAL, WARNING REMOTELY CONTROLLED	

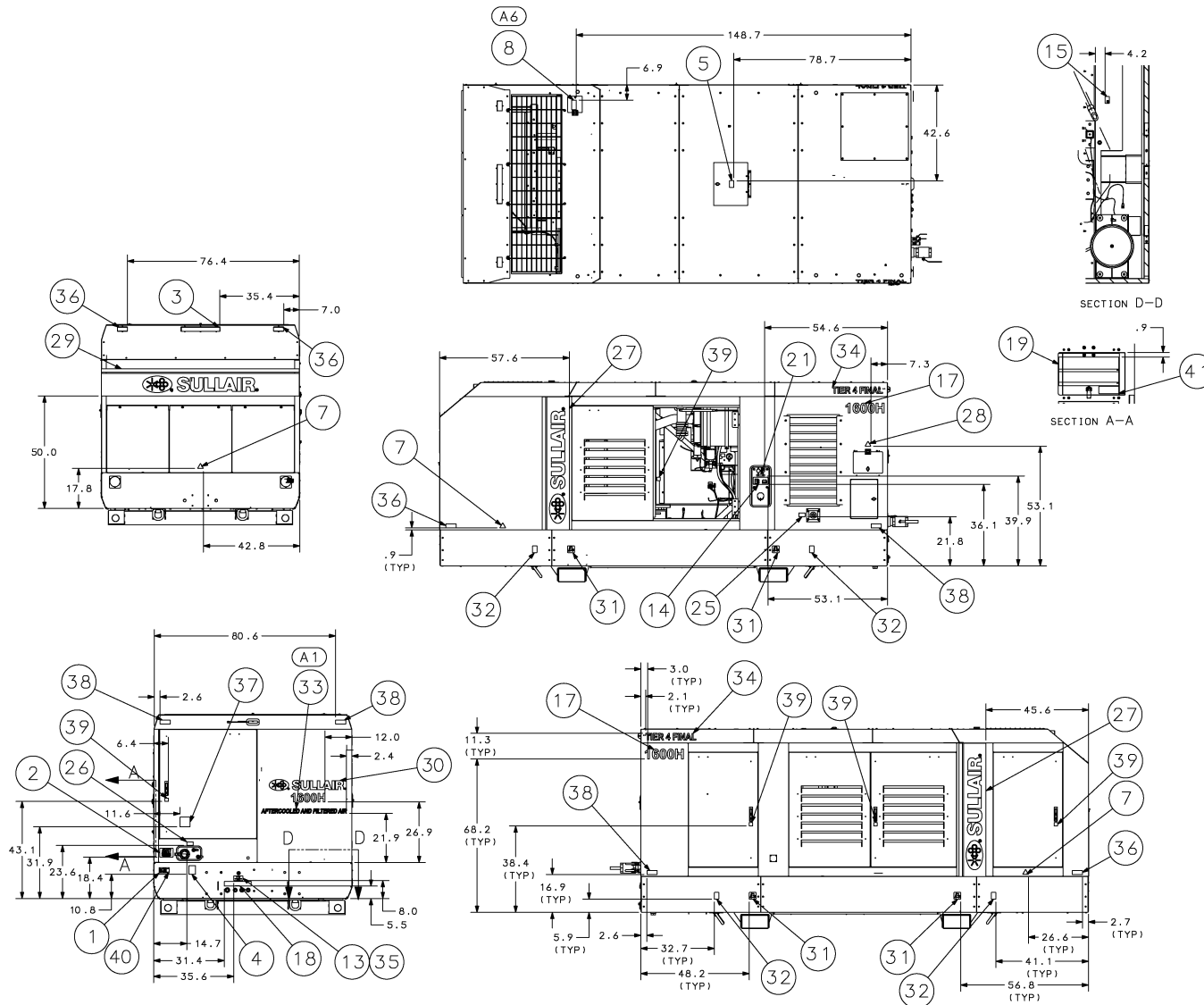
1.34 Decals, DTQ

Key	Part number	Qty	Description	Notes
30	02250229-901	1	DECAL,"SULLAIR" BLACK STRIPE	
31	02250230-038	1	DECAL,"1600H" & "SULLAIR" BLK	
32	02250230-489	4	DECAL, FORK LIFT HERE	
33	02250230-540	4	DECAL, TIE DOWN	
34	02250240-603	1	DECAL,AFTRCLD & FLTRD AIR	
35	02250240-607	2	DECAL,TIER 4 FINAL OFD	
36	02250262-658	1	DECAL,DRAIN WTR CONDENSATE PLG	*CMS MACHINES ONLY
37	049463	1	DECAL,NOISE EMISSION CONTROL	
38	250038-030	5	DECAL, CAUTION DOORS CLOSED	
39	843102-038	4	RIVET, POP 1/8 X 3/8"	
40	02250248-893	1	DECAL, QR CODE 1600J PERKINS	

Drawing notes

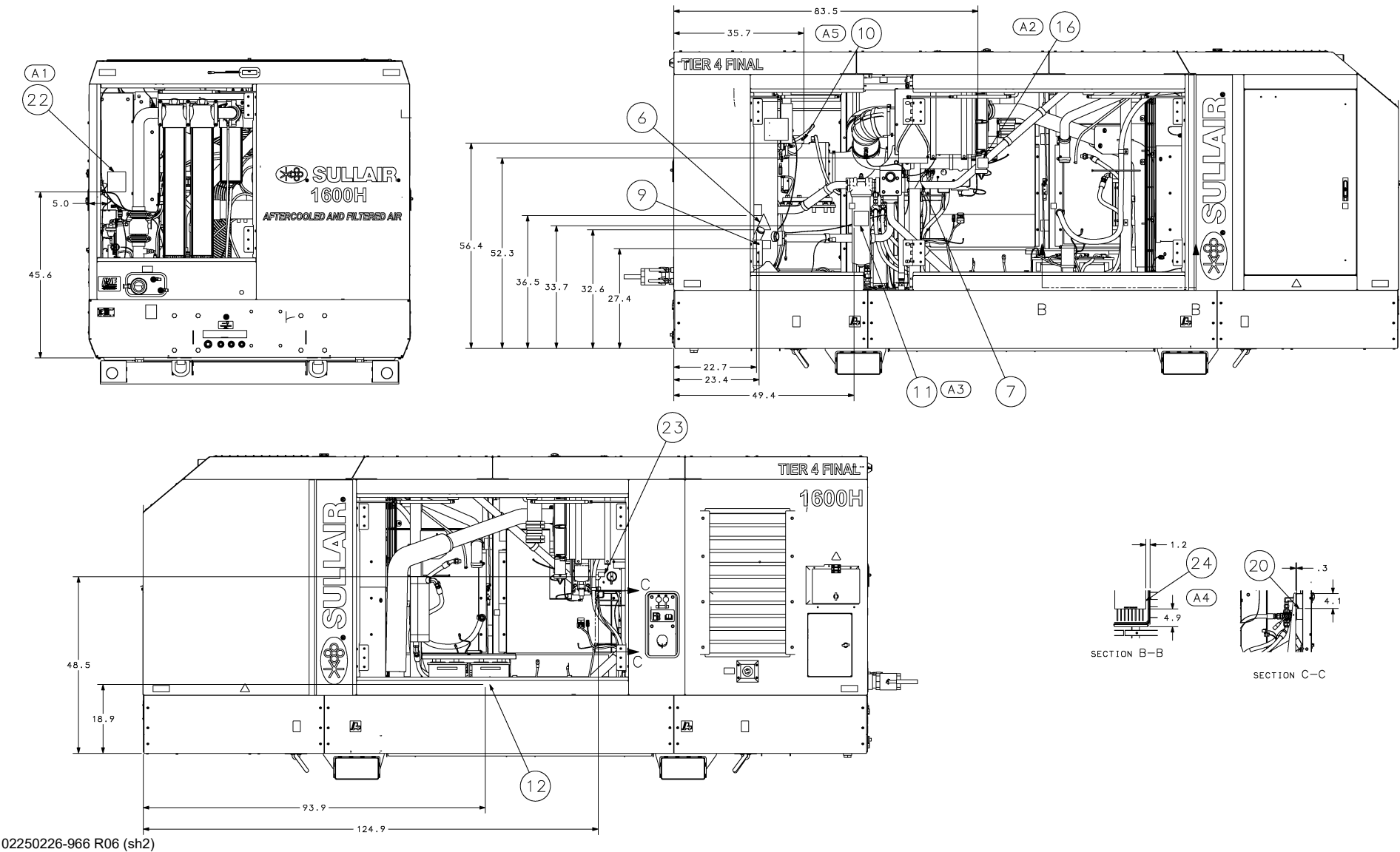
A1	AFTERCOOLED MACHINES ONLY.
A2	02250208-522 IS SUPPLIED WITH THE ETHER KIT.
A3	02250172-298 IS SUPPLIED WITH THE OIL FILTER.
A4	LOCATED INSIDE THE MANUAL BOX.
A5	ATTACHED TO THE INLET VALVE.
A6	LOCATED ON THE UNDERSIDE OF PLATE.

1.35 Decals, DLQ



02250226-966 R06 (sh1)

1.35 Decals, DLQ



1.35 Decals, DLQ

Key	Part number	Qty	Description	Notes
1	02250059-318	1	NAMEPLATE,SULLAIR SERIAL NUMBER	
2	02250097-455	1	DECAL,5 YEAR WARRANTY AWF	
3	02250101-442	1	DECAL, CONSPICUITY TAPE 2" WHITE	
4	02250118-638	1	DECAL,PROP65 DSL EXHST WARNING	
5	02250171-794	1	DECAL, TIE DOWN	
6	02250171-808	1	DECAL, PRESSURIZED VESSEL	
7	02250172-271	4	DECAL, WARNING HOT SURFACES	
8	02250172-276	1	DECAL, RAD FILL/HOT/SEE MANUAL	
9	02250172-282	1	DECAL, COMPR OIL SULLAIR AWF	
10	02250172-283	1	TAG, INLET VALVE OIL CHAMBER FILL IND.	
11	02250172-298	1	DECAL, COMPR OIL FILTER ELEMENT REPL	
12	02250172-453	1	DECAL, WARNING ELECTRICAL SHOCK	
13	02250181-498	1	DECAL, DRAIN WATER CONDENSATE	
14	02250201-729	1	DECAL,ULTRA LOW SULFUR DIESEL	
15	02250203-606	1	DECAL,LOW ASH OIL CJ-4	
16	02250208-522	1	DECAL,AIR FILTER HOUSING LABEL	
17	02250221-855	2	DECAL,1600 MODEL	
18	02250222-089	1	DECAL,DRAIN PORTS 1600J	
19	02250222-191	1	DECAL,STARTUP INSTRUCTIONS	
20	02250226-861	1	DECAL,FUEL SELECTOR VALVE	
21	02250226-862	1	DECAL,FUEL SUPPLY/RETURN	
22	02250226-865	1	DECAL,VALVE POSITION STD/ACF	
23	02250226-868	1	DECAL,DEF WARNING	
24	02250226-871	1	DECAL,GENERAL MAINTENANCE	
25	02250226-980	1	DECAL,WARNING E-STOP W/TEXT	
26	02250226-981	1	DECAL,WARNING SVS VLV W/TEXT	
27	02250229-312	2	DECAL,"SULLAIR" BLACK STRIPE	
28	02250229-398	1	DECAL, WARNING REMOTELY CONTROLLED	
29	02250229-901	1	DECAL,"SULLAIR" BLACK STRIPE	

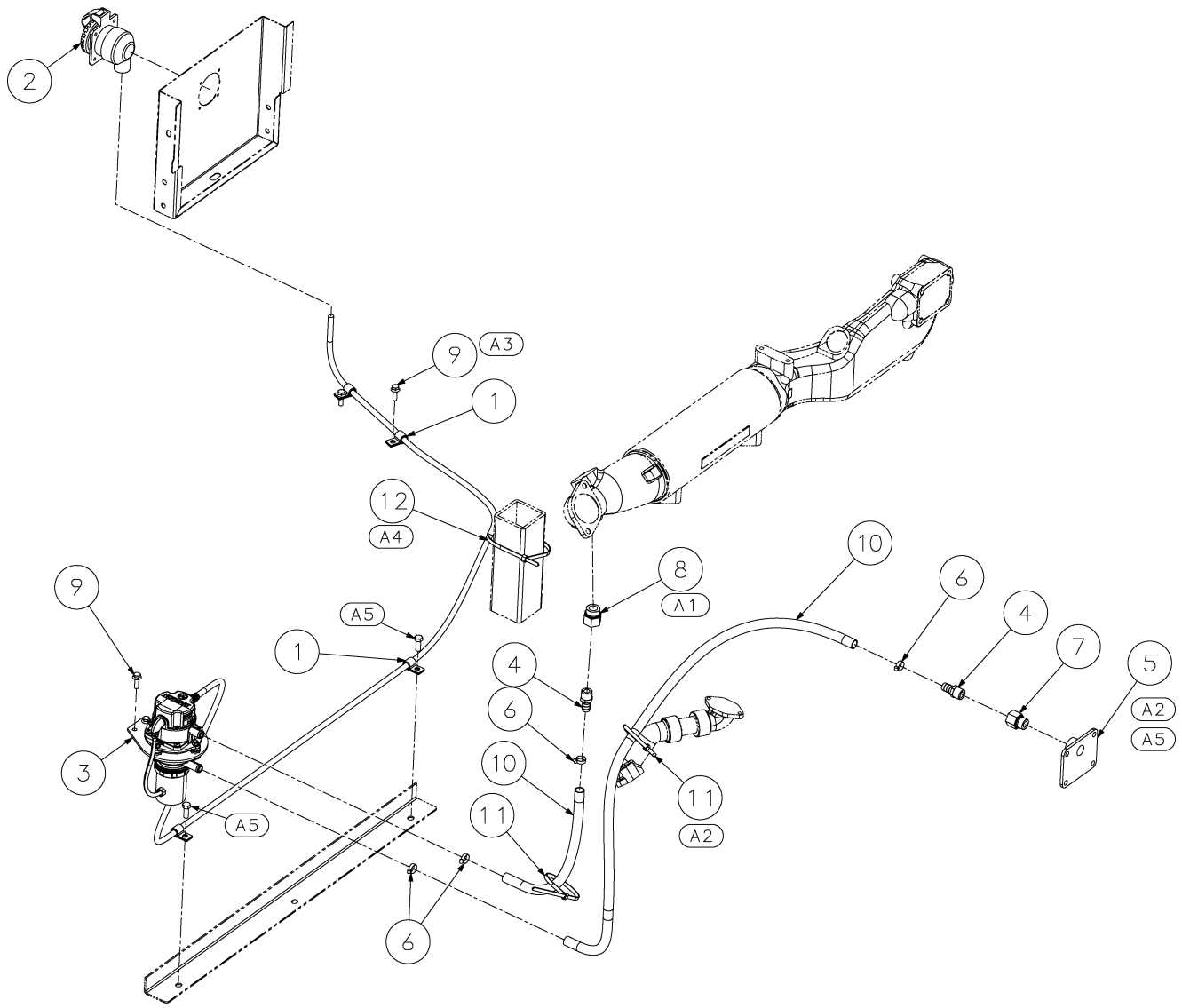
1.35 Decals, DLQ

Key	Part number	Qty	Description	Notes
30	02250230-038	1	DECAL,"1600H" & "SULLAIR" BLK	
31	02250230-489	4	DECAL, FORK LIFT HERE	
32	02250230-540	4	DECAL, TIE DOWN	
33	02250240-603	1	DECAL,AFTRCLD & FLTRD AIR	
34	02250240-607	2	DECAL,TIER 4 FINAL OFD	
35	02250262-658	1	DECAL,DRAIN WTR CONDENSATE PLG	*CMS MACHINES ONLY
36	040103	4	REFLECTOR, RED 1.68 X 4.25	
37	049463	1	DECAL,NOISE EMISSION CONTROL	
38	250034-319	4	REFLECTOR,AMBER 1.75 X 4.50	
39	250038-030	5	DECAL, CAUTION DOORS CLOSED	
40	843102-038	4	RIVET, POP 1/8 X 3/8"	
41	02250248-893	1	DECAL, QR CODE 1600J PERKINS	

Drawing notes

A1	AFTERCOOLED MACHINES ONLY.
A2	02250208-522 IS SUPPLIED WITH THE ETHER KIT.
A3	02250172-298 IS SUPPLIED WITH THE OIL FILTER.
A4	LOCATED INSIDE THE MANUAL BOX.
A5	ATTACHED TO THE INLET VALVE.
A6	LOCATED ON THE UNDERSIDE OF PLATE.

1.36 Engine block heater (optional)



02250248-771 R01



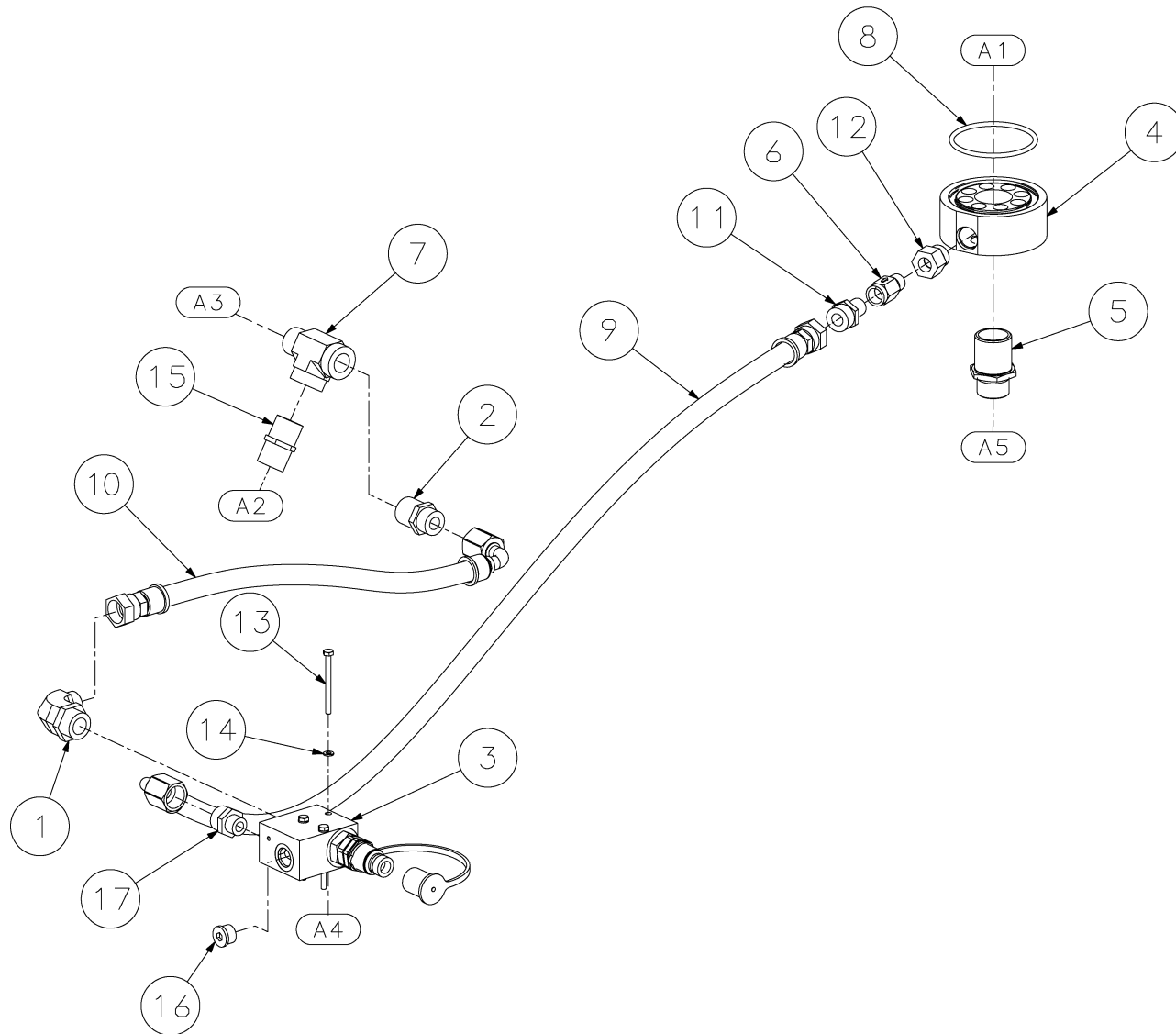
1.36 Engine block heater (optional)

Key	Part number	Qty	Description	Notes
1	02250157-458	4	CLAMP, HOSE O.D. .500	
2	02250207-948	1	RECEPTACLE,ELEC INLET 30A 125VAC	
3	02250214-320	1	HEATER,ENG BLK 2.5KW W/PUMP	
4	02250221-435	2	ADAPTER,M 5/8 BARB X 1/2 NPT	
5	02250248-775	1	COVER,ENGINE BLK HEATER 1600J PE	
6	043197	4	CLAMP, HOSE 1/2"	
7	811505-050	1	ADAPTER, PIPE-F 5/8 X 1/2	
8	811506-050	1	ADAPTER, PIPE-F 3/4 X 1/2"	
9	829705-100	4	SCREW, HX SER WASH 5/16 X 1"	
10	842115-062	2	HOSE, HEATER 5/8" (FT)	
11	843201-027	2	WRAP, TIE NYLON TY27MX	
12	843201-029	1	WRAP, TIE NYLON TY29MX	

Drawing notes

A1	TO ENGINE WATER PUMP
A2	TO ENGINE
A3	TO FUEL TANK
A4	TO LIFT BAIL
A5	USE EXISTING SCREWS

1.37 Engine oil evacuation quick drain (optional)



02250222-037 R02

1.37 Engine oil evacuation quick drain (optional)

Key	Part number	Qty	Description	Notes
1	02250152-544	1	ELBOW,90 1"SAE X 3/4"ORFS	
2	02250212-352	1	CONNECTOR,1 NPT X 3/4 ORFS	
3	02250222-041	1	MANIFOLD,VAC DRAIN	
4	02250222-047	1	HEAD,OIL FILTER CAT C15	
5	02250222-086	1	ADAPTER,FILTER HEAD C15	
6	02250222-087	1	VALVE,CHECK FLTR HD1/2FNPT-1/2MNPT	
7	02250222-122	1	TEE,MALE/FEMALE/FEMALE 1 SS	
8	02250222-143	1	O-RING,VITON FILTER	
9	02250222-181	1	HOSE,MP 5/8ID X 50.5OAL	
10	02250222-221	1	HOSE,MP 5/8ID X 32OAL	
11	02250222-443	1	CONNECTOR,1/2 NPT X 3/4 ORFS	
12	811506-050	1	ADAPTER, PIPE-F 3/4 X 1/2"	
13	827904-300	3	CAPSCREW,HEX GR8 1/4-20 X 3"	
14	837804-062	3	WASHER, SPRLOCK REG PLTD 1/4"	
15	868516-100	1	NIPPLE,PIPE HEX 1 X 1" PLT	
16	875710-088	1	PLUG,STR THD HOL HX 7/8-14	
17	884412-088	1	CONNECTOR,STR THD/ORFS 7/8X 3/4"	

Drawing notes

A1	TO FILTER HEAD
A2	TO DRAIN
A3	TO OIL PAN
A4	TO FUEL TANK
A5	TO OIL FILTER

Notes:

WARNING

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to www.P65warnings.ca.gov/diesel



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