

Illustrated Parts List for VMAC

System V900113

2013-2011 GM 2500HD-3500HD

6.6L Duramax Diesel

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NOTE: Drawings are not to scale.

Document 1930186 Changes and Revisions

Version	Revision Details	Revised by/date	Approved by/date	Implemented
A	NEW	SAR 10 Mar 2011	PD 22Mar2011	22 March 2011
B	MY update ECN 12-034	SH 3 Feb 2012	NC 23Feb2012	27Feb2012
C	MY Updates ECN 12-153	SAR 24 Oct 2012	MH 14 Nov 2012	16 Nov 2012

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

1 – Kit Pack List

Item #	Part #	Qty	Description
1	1100189	1	BRACKET, MAIN
2	1200626	2	MOUNT, TANK STRAP
3	1200630	2	PLATE, TANK STRAP
4	1200637	1	PLATE, SKID
5	1200639	1	BRACE, COMPRESSOR
6	1610333	1	BELT, K060795
7	1752064	1	HOSE, CRIMPED, ½" X 64"
8	1752084	1	HOSE, CRIMPED, ½" X 84"
9	1771051	1	HOSE, CRIMPED, ¾" X 51"
10	1800161	1	PULLEY ASSEMBLY, GMC, DURAMAX
11	1930060	1	MANUAL, OWNERS GENERIC, VR70 & 150
12	1930185	1	MANUAL, INSTALLATION, V900113
13	1930186	1	ILLUSTRATED PARTS LIST, V900113
14	2200105	2	CLAMP, MOUNTING BRACKET C, 6
15	3550721	1	INTERFACE CABLE
16	3550723	1	VR CONTROL BOX
17	3550776	1	HARNESS, FAN EXTENSION
18	3550777	1	PRESSURE CABLE, EXTENSION
19	3560220	1	VRTC, V900113
20	3800818	1	FASTENER PACK, V900113
21	4800577	1	ASSEMBLY, TENSIONER BRACKET
22	4800579	1	SYS ID & OP INSTR V900113
23	9200430	1	TANK, VR70 DRESSED INT OIL FILTER
24	9200469	1	COOLER, WELDMENT
25	A700091	1	OIL, VR, 1L, HIGH PERFORMANCE
26	A700094	1	OIL, VR, 4L, HIGH PERFORMANCE
27	P120135	1	ASSEMBLY, COMPRESSOR, V900113

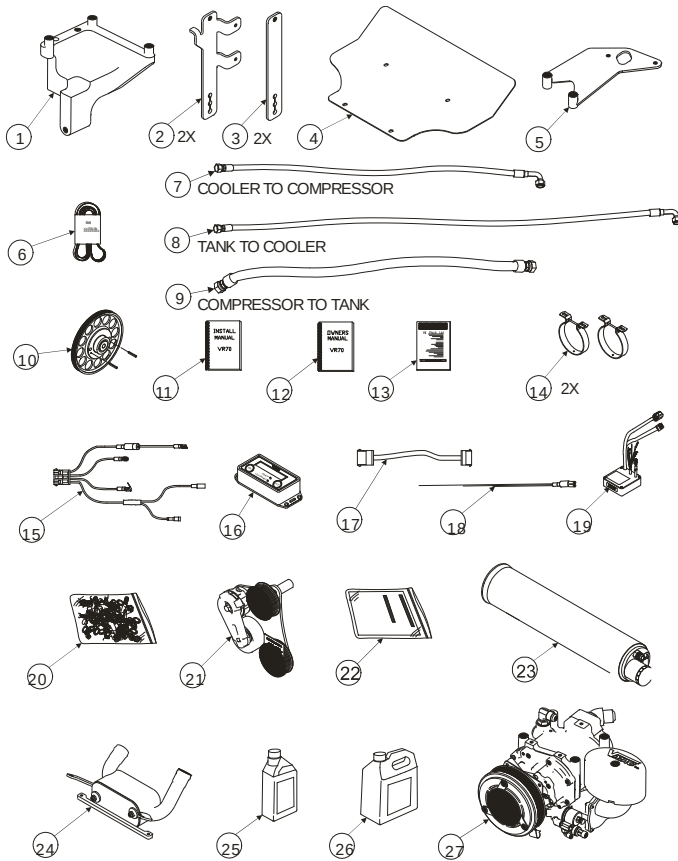


Figure 1 - Kit Pack List (not to scale)

2 – Fastener Pack 3800818

Item #	Part #	Qty	Description
1	3800279	1	FASTENER PACK, PULLEY
1.1	1520518	1	BOLT, HHCS G10.9, M18 X 1.5 X 100
1.2	3200234	1	KEY, LOCATING
2	3800825	1	FAST PACK, HOSE
2.1	4900162	1	TEE, RUN, STEEL #12JIC
2.2	4900164	1	FITTING, MODIFIED
3	3800570	1	FAST PACK, WIRING LOOM
3.1	1700029	96"	LOOM, SPLIT PLASTIC, 1/2
3.2	2200039	10	TIE, NYLON MD, 7"
4	3800810	1	FASTENER PACK, TANK BRACKETS
4.1	1510003	4	BOLT, HHCS NC G8 PL, 5/16 X 1
4.2	1510539	4	BOLT, HHCS NC FL-PL 3/8 X 6 IN
4.3	1550066	4	NUT, HEX NC, 5/16
4.4	1550504	4	NUT, FLANGE LOCK NC GR5, 3/8
4.5	1570005	8	WASHER, FLAT, 3/8 X 0.130
4.6	1570067	8	WASHER, SAE, 5/16
4.7	4900056	1	ELBOW, STEEL SWIVEL 45, 1/2
5	3800819	1	FASTENER PACK, AIR END
5.1	1520601	3	BOLT, HHCS FL PL, M8 X 1.25 X 12
5.2	1520581	3	BOLT, HHCS G10.9, M8 X 1.25 X 120
5.3	1570067	6	WASHER, SAE, 5/16
5.4	2200083	1	CLAMP, C.R.I., 1 1/4
5.5	1520593	2	BOLT, HHCS G8.8, M8 X 1.25 X 130
6	3800820	1	FASTENER PACK, COOLER
6.1	1520563	2	BOLT, HHCS FLHD PL M10 X 1.50 X 25
6.2	1710776	1	HOSE, UPPER RAD MODIFIED
6.3	1720661	1	TUBE, CONNECTOR
6.4	2200027	4	CLAMP, HOSE HS32
6.5	2200131	1	CLAMP, C.R.I., 1
7	3800821	1	FASTENER PACK, MAIN BRACKET
7.1	1520597	2	BOLT, HHCS, M10 X 1.5 X 120
7.2	1520600	1	BOLT, MODIFIED, HHCS, M10 X 1.5 X 80

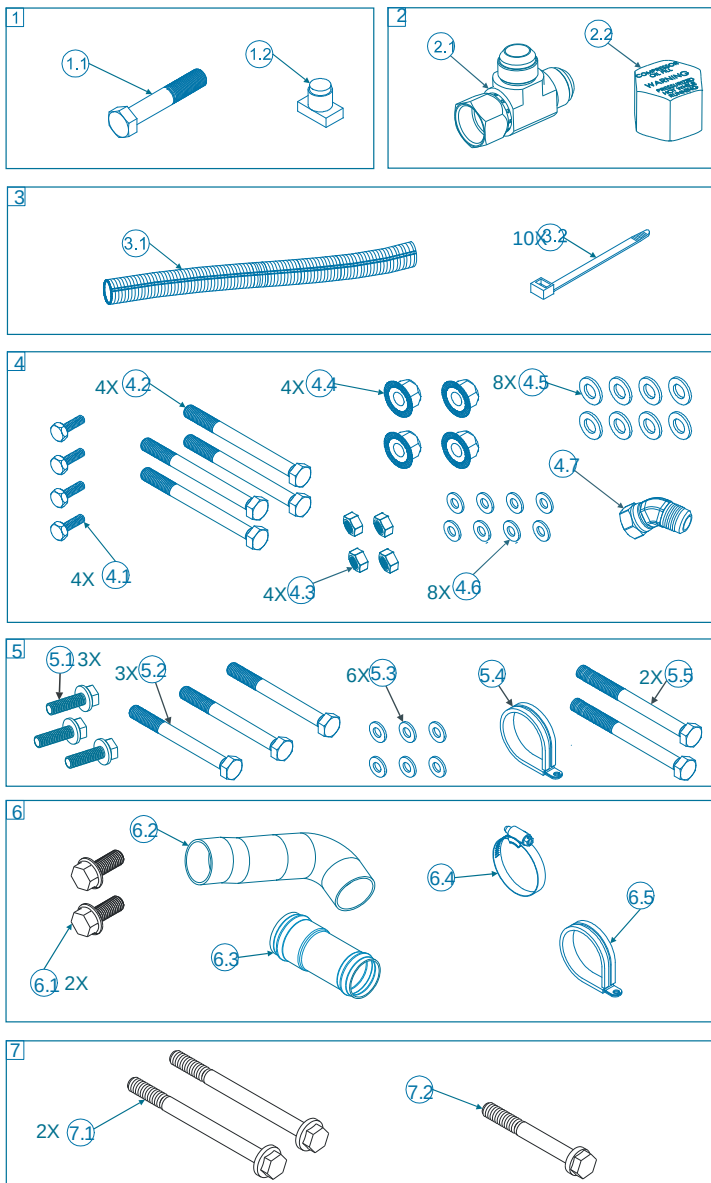


Figure 2 – Fastener Packs

2 – Fastener Pack 3800818 (cont.)

Item #	Part #	Qty	Description
8	3800822	1	FASTENER PACK, TEFLON HOSE
8.1	1700570	109"	TUBE, TEFLON, PTFE, 1/4"OD
8.2	1700571	120"	TUBE, TEFLON, PTFE, 3/16"OD X 1/8"ID
8.3	1700581	120"	LOOM, SPLIT PLASTIC, 1/4, HIGH TEMP
8.4	1700581	109"	LOOM, SPLIT PLASTIC, 1/4, HIGH TEMP
8.5	2200039	10	TIE, NYLON MD, 7"
9	3800823	1	FASTENER PACK, FAN WIRE
9.1	3200379	1	PIN, FAN WIRE BRACKET
10	3800824	1	FASTENER PACK, IDLER BRACKET
10.1	1400339	1	SPACER, TENSIONER BRACKET, 3.25"
10.2	1520108	1	BOLT, HHCS G10.9, M10 X 1.5 X 60 PL
10.3	1520598	1	BOLT, HHCS, M10 X 1.5 X 130
10.4	1520599	1	BOLT, HHCS, M10 X 1.5 X 170
10.5	1560512	1	NUT, FLANGE PL, M10 X 1.5
10.6	1570044	3	WASHER, ALLOY PL SAE, 3/8
11	3800826	1	FAST PACK, ATCM MOUNT
11.1	1520583	2	BOLT, HHCS, FL, M6 X 1.0 X 20
11.2	1560516	4	NUT, M6 X 1.0 FL PL
12	3800827	1	FAST PACK, TANK FITTINGS
12.1	4900036	1	ELBOW, STEEL SWIVEL 45, 3/4

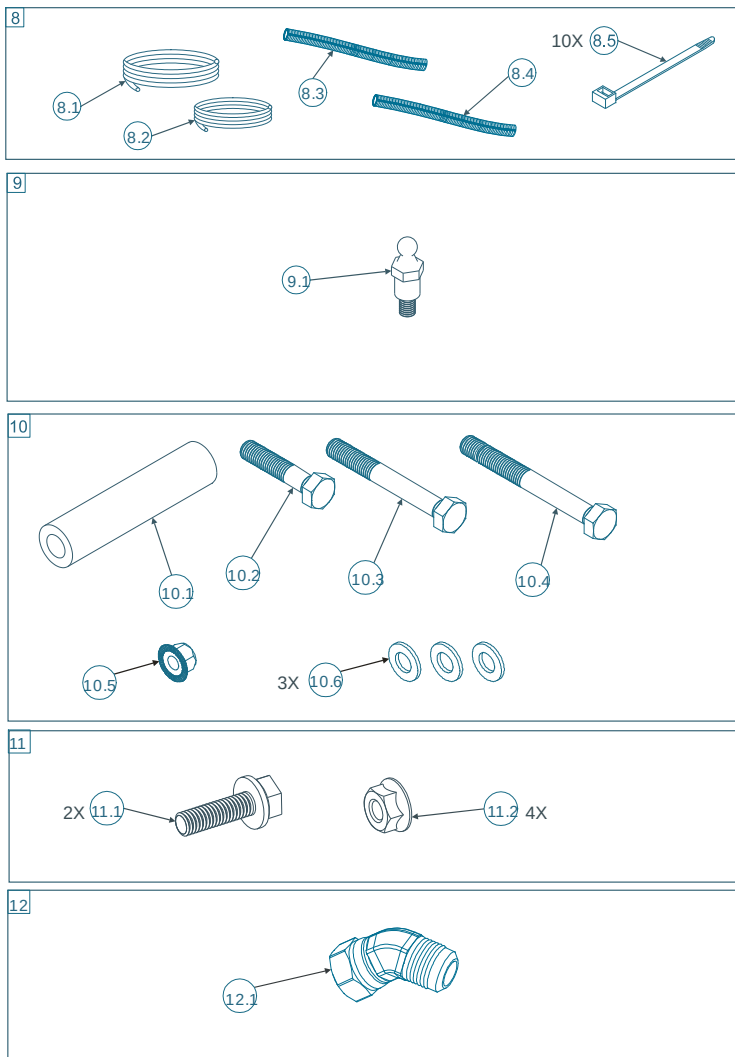


Figure 2 (Continued) – Fastener Packs

3 – Compressor Assembly P120135

Item #	Part #	Qty	Description
1	P120007	1	VR70 COMPRESSOR ASSEMBLY
2	9200468	1	INLET VALVE, FILTER REPOSITIONED
3	1540550	2	BOLT,SHCS,M8 X 1.25 X 50, G12.9 PLT
4	1540530	2	BOLT,SHCS,M8 X 1.25 X 55 G12.9 PLT
5	4900045	1	PLUG, STEEL HEX SAE/O-RING PORT
6	4900002	1	ELBOW, STEEL JIC/O-RING, 1/2 -3/4-16
7	4300076	3	PIPE FTG, PLUG SKT HEAD, 1/8
8	5830004	1	O-RING, VITON, 3 1/8 ID X 1/8
9	3500288	1	SENSOR, PRESSURE
10	5000112	1	ELBOW, BRASS STREET 45 DEG, 1/8
11	5830132	2	O-RING, VITON, #8 ORB
12	5000165	1	ELBOW,90,BRASS NPT-POLY, 1/8-3/16
13	3600123	1	VALVE, CHECK, 1/8 NPT
14	5000012	1	CONNECTOR, BRASS NPT-POLY, 1/8-1/4
15	3200373	1	FITTING, INLET SCAVENGE
16	5000055	1	ELBOW, BRASS STREET 1/8
17	4900143	1	ELBOW, STEEL, 45, 14 ORB-12 JIC
18	5000121	1	TEE, STREET, EXTRUDED, 1/8

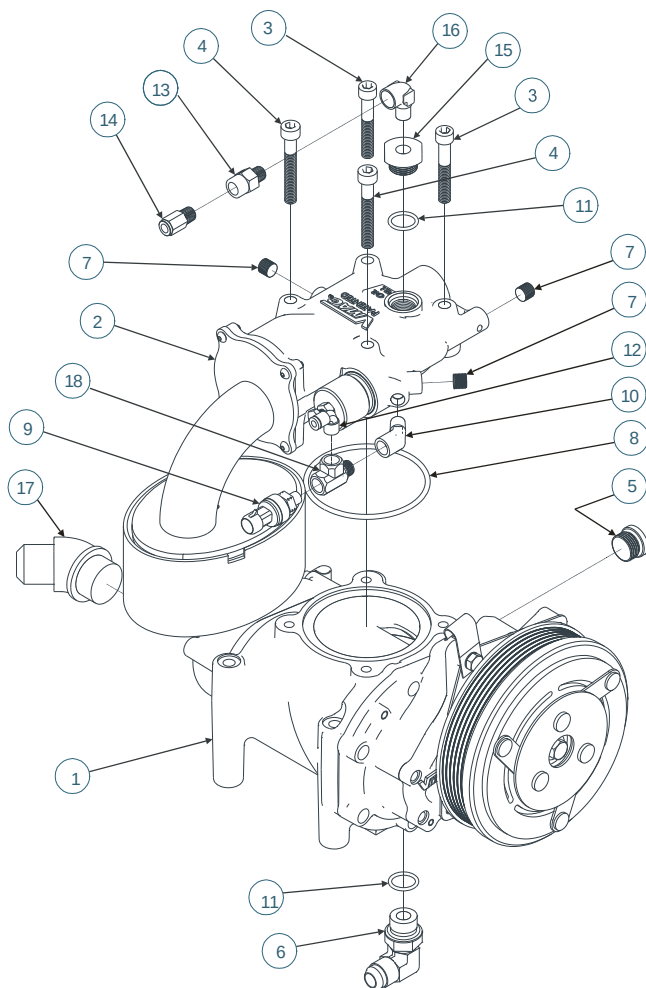


Figure 3 – Compressor Assembly

4 – Compressor Sub Components P120007

Item #	Part #	Qty	Description
1	3550682	1	TEMPERATURE PROBE
2	P200035	1	CLUTCH COMPLETE 6 GROOVE

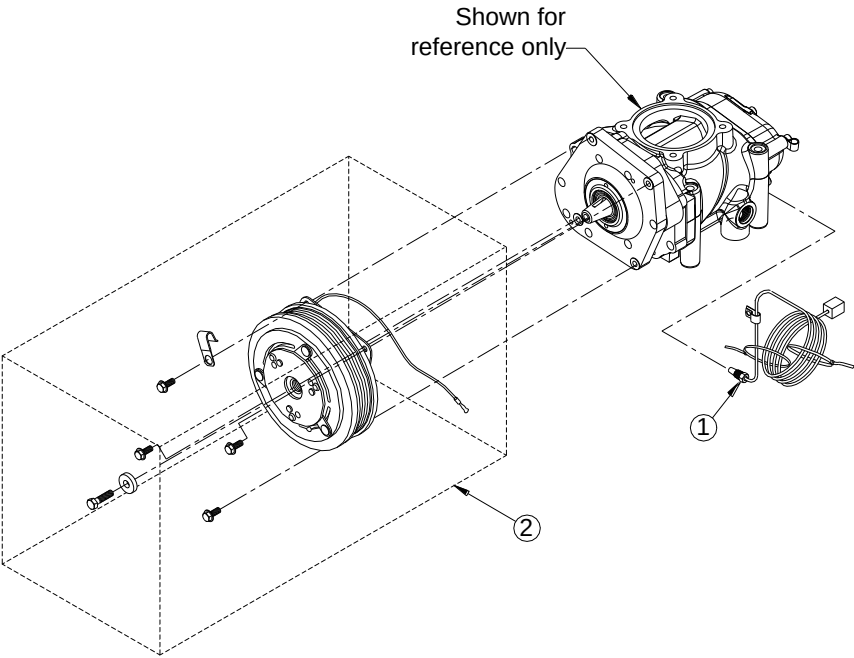


Figure 4– Compressor Sub Components

5 – Inlet Valve Sub Components 9200468

Item #	Part #	Qty	Description
1	1500533	4	SCREW, BUTTON HEAD, 10 - 32 X 5/8 PL
2	3200378	1	ADAPTOR, FILTER REPOSITIONING
3	3600066	1	COVER, AIR FILTER, PLASTIC
4	3600037	1	ELEMENT, FILTER, PAPER
5	1500519	1	ROD, THREADED, 1/4 X 2.62
6	1550029	1	NUT, NYLOCK NC, 1/4
7	1570038	1	WASHER, FLAT SAE, 1/4
8	1550221	1	NUT, HEX NC PL, 1/4, GR8
9	9200447	1	INLET VALVE, NO OIL PLUG
10	5830070	1	O-RING, VITON, 2 9/16 ID X 3/32

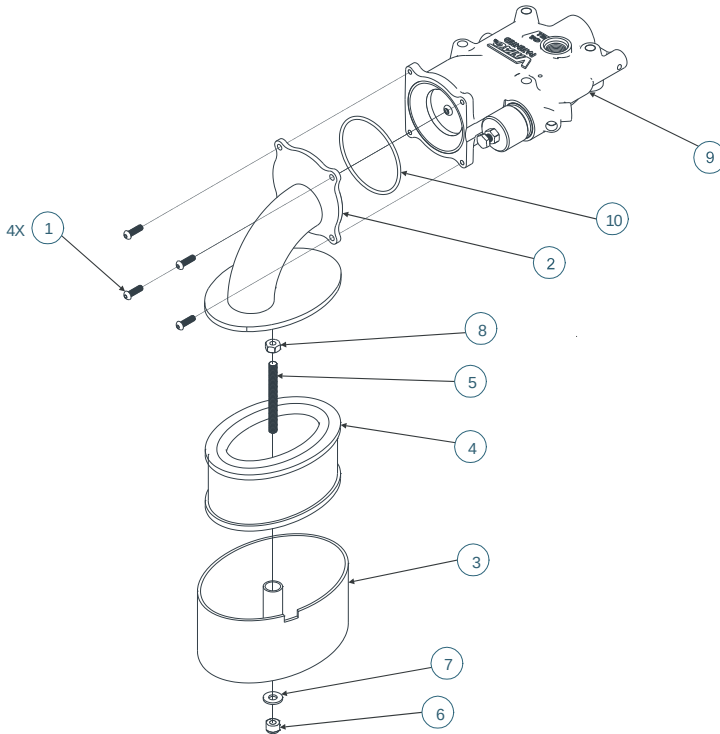


Figure 5 – Inlet Valve Sub Components

6 – Tensioner Bracket Assembly 4800577

Item #	Part #	Qty	Description
1	1200638	1	BRACKET, TENSIONER
2	1300030	2	IDLER, SERP, 6 RIB, FLANGE, 90MM
3	3300036	1	TENSIONER 7C3E-6B209-CD
4	1520563	2	BOLT, HHCS G10.9, M10 X 1.5 X 25
5	1570496	2	WASHER, FENDER, 10MM X 30MM
6	4400463	1	LABEL, FASTENERS NOT TIGHTENED

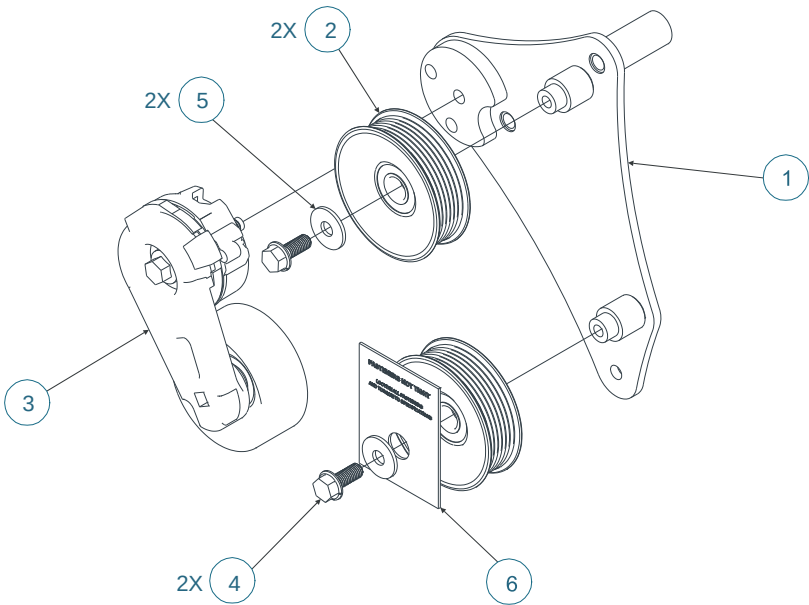


Figure 6 – Tensioner Bracket Assembly

7 - VR70 Tank, 9200430

Item #	Part #	Qty	Description
1	1510086	6	BOLT, HHCS NC G5 FL LK, 3/8 X 1
2	1510522	2	BOLT, HHCS NC G8 FL LK PL, 1/4 X 1/2
3	3200231	1	COVER, SIGHT GLASS
4	3600064	1	SEAL, TANK REAR CAP
5	3600090	1	THIMBLE, SCREEN
6	4900033	1	CONNECTOR, STEEL NPT-JIC, 3/4-3/4
7	4900035	1	NIPPLE, STEEL STR THRD, 3/4 - 16
8	4900106	1	PLUG, STEEL, #5 ORB, HEX
9	5000020	1	ELBOW, BRASS NPT-POLY, 1/8-1/4"
10	5000089	1	CONNECTOR, BRASS NPT-SAE, 3/8 - 1/2
11	5000165	1	ELBOW, 90, BRASS NPT-POLY, 1/8-3/16"
12	5000160	1	ADAPTER, BRASS, 1/8-1/8 NPT
13	A700152	1	ELEMENT, SEP, COALESCING
14	5830066	1	O-RING, VITON, 4 3/4 ID X 1/8
15	5840069	1	SPRING, COMPRESSION, FL 1.5", OD .54
16	9200039	1	OIL FILTER, VR 3.250 SHORT
17	9200437	1	ASSEMBLY, BLOWDOWN CAP
17.1	3600054	1	VALVE, SAFETY, 3/8, 200 PSI
17.2	4500104	1	MUFFLER, SINTERED EXHAUST, 1/8"
18	9200378	1	TANK, OIL SEPARATOR
19	A700061	1	SIGHT GLASS ASSEMBLY

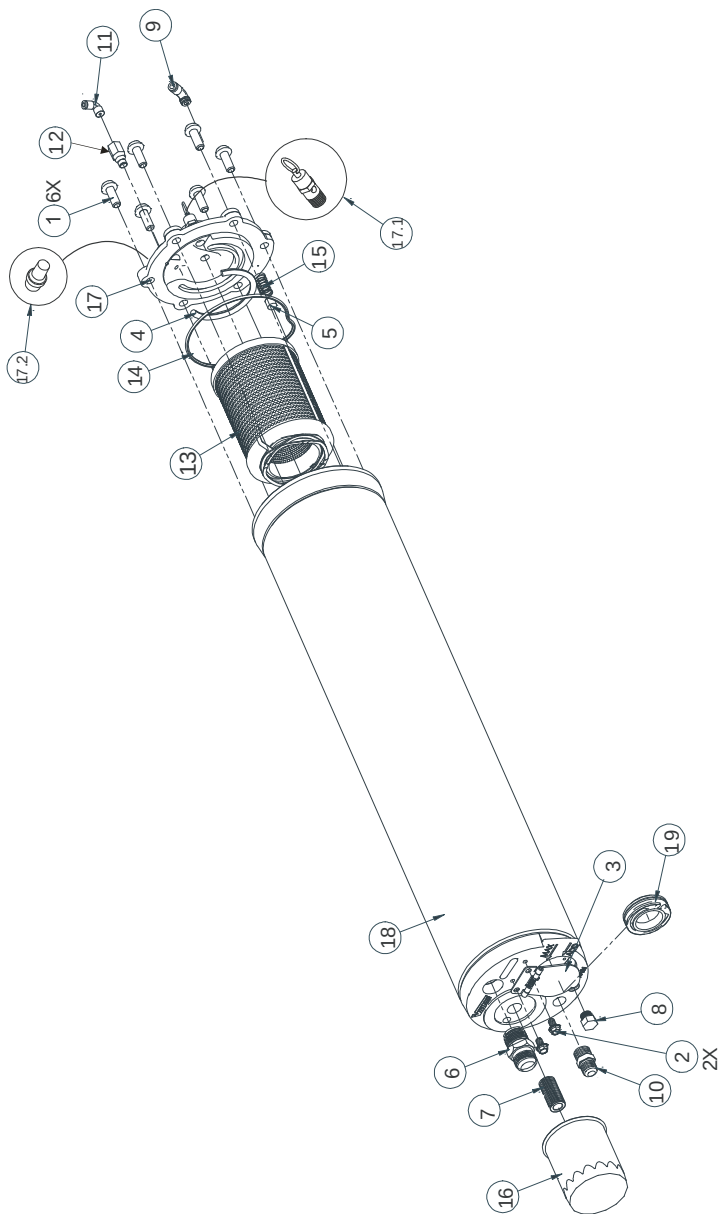


Figure 7 – Tank

