

Illustrated Parts List for VMAC System V900104

2009-2007 25-3500 DODGE Cab & Chassis

2009-2007 2500-3500 4X4 Pickup

6.7L Cummins Diesel

System V900106

2010-2008 45-5500 Cab & Chassis 6.7L Cummins Diesel

2009-2007 Sterling Bullet 6.7L Cummins Diesel

1. Kit Pack List.....	2
2. Fastener Pack, 3800616 (V900104)	4
3. Fastener Pack, 3800699 (V900106)	8
4. Compressor Assembly, P120119 (V900104).....	12
5. Compressor Assembly, P120126 (V900106).....	14
6. Compressor Sub Components, P120125	16
7. Inlet Valve Sub Components, 9200447 & 9200448	17
8. Main Bracket Assembly, 4800492	18
9. Tank, VR70, 9200430	19
10. Remote Filter, 4800523.....	21
11. Splash Guard, Inlet, 4800524	22

NOTE: drawings are not to scale.

Document 1930142 Changes and Revisions

Version	Revision Details	Revised by/date	Approved by/date	Implemented
V	ECN 11-085	SAR 30 AUG 2011	SH 30 Aug 2011	1 Sep 2011
W	ECN 11-127	SAR 19 OCT 2011	SC 20 Oct 2011	20 Oct 2011
X	ECN 12-002	SAR 16 Jan 2012	NC 31 JAN 2012	19 JAN 2012
Y	ECN 12-140	SAR 02 Oct 2012	MH 10 Oct 2012	12 Oct 2012
Z	ECN 12-158	SAR 29 Oct 2012	MH 13 Nov 2012	14 Nov 2012

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

Page 1 of 23

1. Kit Pack List

Item #	Part #	Qty	Description
1	1200514	1	BRACKET, CONTROL BOX
2	1200581	2	MOUNT, TANK STRAP
3	1400314	2	SPACER, SWAY BAR (V900106)
4	1610342	1	BELT, K060547
5	1710757	52"	HOSE, HEATER, ¾"
6	1750050	1	HOSE, CRIMPED, 1/2" X 50"
7	1752027	1	HOSE, CRIMPED, 1/2" X 27"
8	1752065	1	HOSE, CRIMPED, 1/2" X 65"
9A	1771050	1	HOSE, CRIMPED, 3/4" X 50" (V900104)
9B	1771054	1	HOSE, CRIMPED, 3/4" X 54" (V900106)
10	1800199	1	PULLEY, CRANK
11	1930060	1	MANUAL, OWNERS GENERIC, VR70 & 150
12	1930141	1	MANUAL, INSTALLATION
13	1930142	1	ILLUSTRATED PARTS LIST
14	2200105	2	CLAMP, MOUNTING BRACKET C, 6
15	2200113	2	STRAP, TANK FLAT BAR,BACKING STRAP.
16	3550723	1	VR CONTROL BOX, 132.0" TEMP.
17	3550741	1	INTERFACE CABLE
18	3560206	1	VRTC
19A	3800616	1	FAST PACK (V900104)
19B	3800699	1	FAST PACK (V900106)
20	4800413	1	SYSTEM OPERATION INSTRUCTION & ID
21	4800492	1	ASSEMBLY, MAIN BRACKET
22	4800523	1	ASSEMBLY, AIR FILTER
23	4800524	1	ASSEMBLY, SPLASH GUARD INLET
24	9200430	1	TANK, VR70 DRESSED INT OIL FILTER
25	9200433	1	WELDMENT, COOLER
26	A700091	1	OIL, VR, 1L, HIGH PERFORMANCE
27	A700094	1	OIL, VR, 4L, HIGH PERFORMANCE
28A	P120119	1	COMPRESSOR ASSEMBLY (V900104)
28B	P120126	1	COMPRESSOR ASSEMBLY (V900106)

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

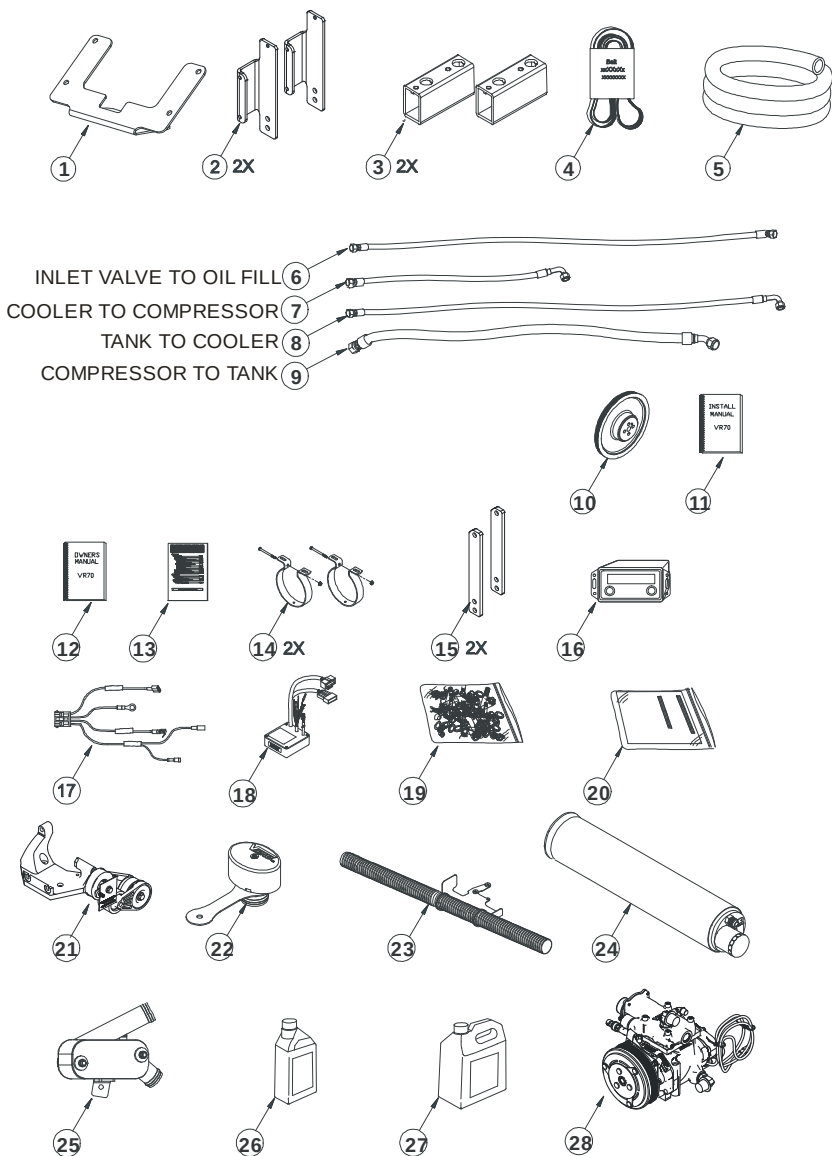


Figure 1 - Kit Pack List

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

2. Fastener Pack, 3800616 (V900104)

Item #	Part #	Qty	Description
1	3800386	1	FASTENER PACK, COOLER
1.1	1520538	1	BOLT, HHCS, FLHD, M10 X 1.50 X 35
1.2	1560138	1	NUT, NYLOCK PL, M10 X 1.5
1.3	1570102	1	WASHER, FLAT SAE, 1/2
1.4	2200027	4	CLAMP, HOSE HS32
1.5	2200029	2	CLAMP, HOSE HS10
1.6	4300095	1	NIPPLE 7", 1/2" NPT
1.7	4300096	1	ELBOW, 90 DEG, 1/2" NPT
1.8	5000113	1	CONNECTOR, BRASS NPT-HOSE, 1/2-3/4
2	3800563	1	FAST PACK, OIL HOSE SUPPORT
2.1	1200496	1	BRACKET, OIL LINE P CLIP MOUNT
2.2	1520527	1	BOLT, HHCS, G8.8, M6 x 1.0 x 25
2.3	1560438	1	NUT, NYLOCK, M6
2.4	1570038	2	WASHER, FLAT SAE, 1/4
2.5	2200018	4	TIE, NYLON MD, 11
2.6	2200046	1	CLAMP, STRAP, 1 5/8
3	3800606	1	FAST PACK, CONTROL BOX
3.1	1500499	4	SCREW, PHILLIPS PH, 8 - 32 X 3/8
3.2	1550262	4	NUT, 8-32
3.3	1570163	4	WASHER, FLAT, 3/16
4	3800618	1	FAST PACK, FAN
4.1	1500610	6	BOLT, UNDERCUT FH, 5/16 - 18 X 1/2
4.2	3400066	1	SPACER, FAN
5	3800619	1	FAST PACK, COMPRESSOR
5.1	1520573	2	BOLT, HHCS, M8-1.25 X 20, G10.9 PL
5.2	1520566	1	BOLT, FLAT HEAD, M8 X 1.25 X 20MM
5.3	1570067	1	WASHER, SAE, 5/16
6	3800620	1	FAST PACK, MAIN BRACKET
6.1	1520288	1	BOLT, HHCS G8.8, M12 X 1.75 X 50
6.2	1520567	1	BOLT, HHCS G10.9, M12 X 1.75 X 100
6.3	1540555	1	BOLT, SHCS, M6X1.0X20, GR12.9 PLT
6.4	1520579	1	BOLT, HHCS G10.9, M10 X 1.5 X 75
6.5	1570492	2	WASHER, FLAT, M12, PLATED
7	3800621	1	FAST PACK, SWAY BAR
7.1	1400301	2	SPACER, SWAY BAR
7.2	1520540	4	BOLT, HHCS, FLHD, M10 X 1.5 X 55

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

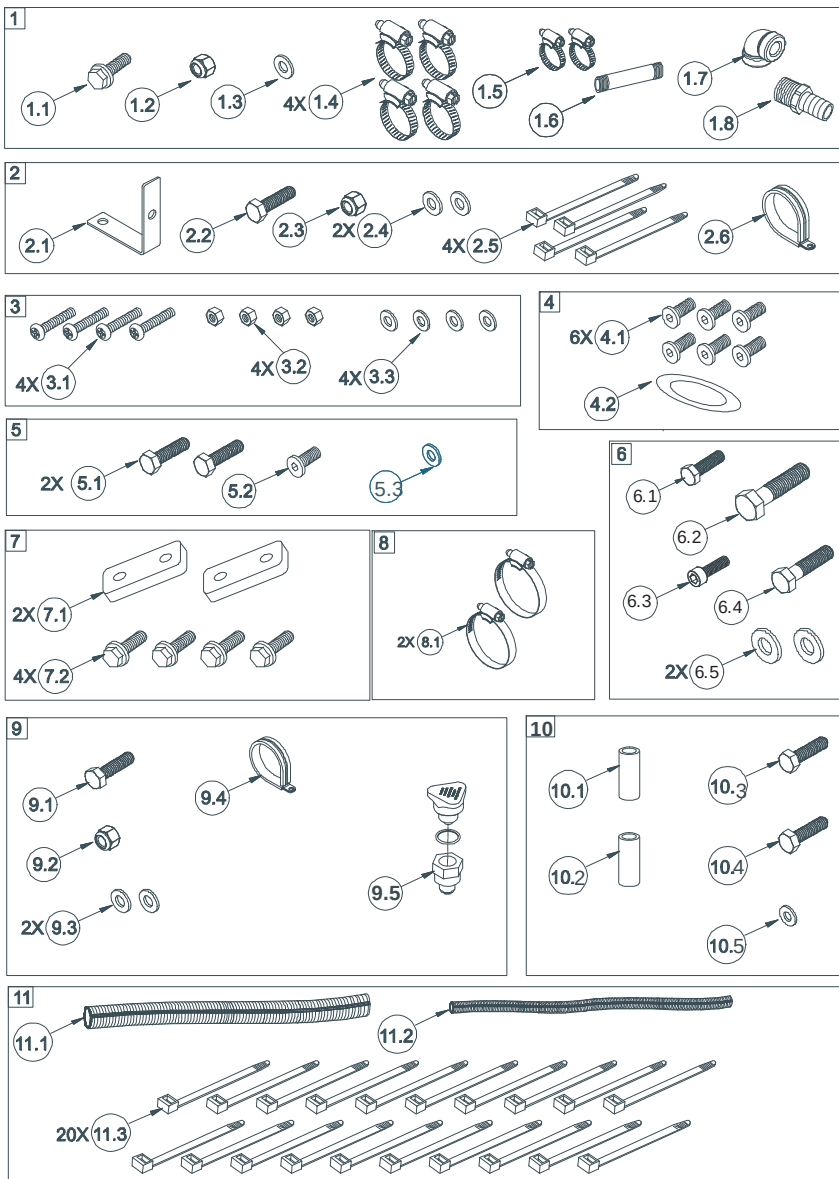


Figure 2 – Fastener Packs

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

Fastener Packs, 3800616 (continued) (V900104)

8	3800626	1	FAST PACK, AIR FILTER
8.1	2200026	2	CLAMP, HOSE HS28
9	3800627	1	FAST PACK, OIL FILL
9.1	1520513	1	BOLT, HHCS G10.9, M8 X 1.25 X 30
9.2	1560407	1	NUT, NYLOCK, M8
9.3	1570067	2	WASHER, SAE, 5/16
9.4	2200083	1	CLAMP, C R.I., 1 1/4
9.5	4800500	1	ASSEMBLY, OIL FILL CAP
10	3800628	1	FAST PACK, FAN SHROUD
10.1	1400299	1	SPACER, FAN SHROUD
10.2	1400322	1	SPACER, FAN WIRE
10.3	1520031	1	BOLT, HHCS G10.9, M8 X 1.25 X 40
10.4	1520555	1	BOLT, HHCS G8.8, M6 X 1.0 X 30
10.5	1570038	1	WASHER, FLAT SAE, 1/4
11	3800629	1	FAST PACK, WIRING LOOM
11.1	1700029	120	LOOM, SPLIT PLASTIC, 1/2 , HIGH TEMP
11.2	1700581	72	LOOM, SPLIT PLASTIC, 1/4 , HIGH TEMP
11.3	2200039	20	TIE, NYLON MD, 7"
12	3800676	1	FASTENER PACK, TEFLON HOSE
12.1	1700570	103.5	TUBE, TEFLON, PTFE, 1/4"OD X 3/16"ID
12.2	1700571	108.5	TUBE, TEFLON, PTFE, 3/16"OD X 1/8"ID
12.3	1700581	103.5	LOOM, SPLIT PLASTIC, 1/4, HIGH TEMP
12.4	1700581	108.5	LOOM, SPLIT PLASTIC, 1/4, HIGH TEMP
12.5	2200039	10	TIE, NYLON MD, 7"
13	3800714	1	FASTENER PACK, TANK MOUNT STRAP
13.1	1510003	4	BOLT, HHCS NC G8 PL, 5/16 X 1
13.2	1510538	2	BOLT, HHCS NC FL-PL 3/8 X 4 1/2 IN
13.3	1510539	2	BOLT, HHCS NC FL-PL 3/8 X 6 IN
13.4	1550084	4	NUT, NYLOCK NC PL, 5/16
13.5	1550504	2	NUT, FLANGE LOCK NC GR5, 3/8
13.6	1570009	4	WASHER, SPLIT LOCK, 3/8
13.7	1570067	4	WASHER, SAE, 5/16

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

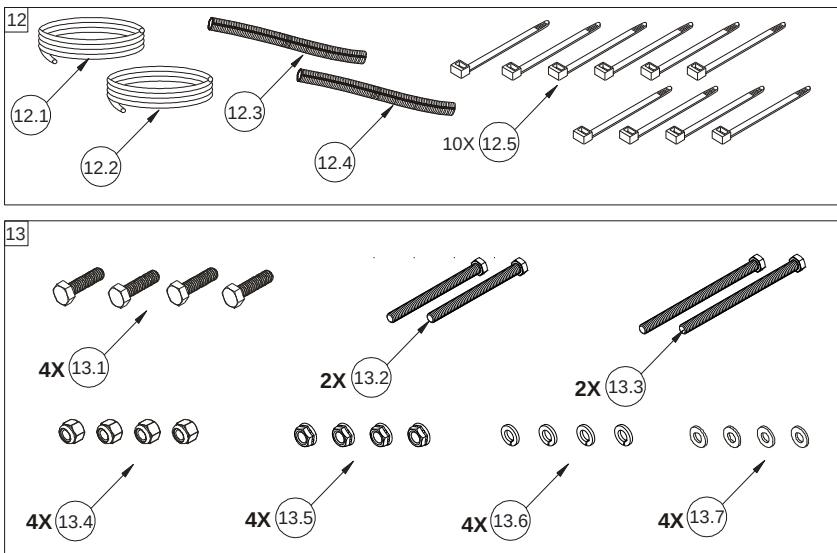


Figure 3 – Fastener Packs (cont.) (V900104)

3. Fastener Pack, 3800699 (V900106)

Item #	Part #	Qty	Description
1	3800386	1	FASTENER PACK, COOLER
1.1	1520538	1	BOLT, HHCS, FLHD, M10 X 1.50 X 35
1.2	1560138	1	NUT, NYLOCK PL, M10 X 1.5
1.3	1570102	1	WASHER, FLAT SAE, 1/2
1.4	2200027	4	CLAMP, HOSE HS32
1.5	2200029	2	CLAMP, HOSE HS10
1.6	4300095	1	NIPPLE 7", 1/2" NPT
1.7	4300096	1	ELBOW, 90 DEG, 1/2" NPT
1.8	5000113	1	CONNECTOR, BRASS NPT-HOSE, 1/2-3/4
2	3800606	1	FAST PACK, CONTROL BOX
2.1	1500499	4	SCREW, PHILLIPS PH, 8 - 32 X 3/8
2.2	1550262	4	NUT, 8-32
2.3	1570163	4	WASHER, FLAT, 3/16
3	3800618	1	FAST PACK, FAN
3.1	1500610	6	BOLT, UNDERCUT FH, 5/16 - 18 X 1/2
3.2	3400066	1	SPACER, FAN
4	3800619	1	FAST PACK, COMPRESSOR
4.1	1520573	2	BOLT, HHCS, M8-1.25 X 20, G10.9 PL
4.2	1520566	1	BOLT, FLAT HEAD, M8 X 1.25 X 20MM
4.2	1570067	1	WASHER, SAE, 5/16
5	3800620	1	FAST PACK, MAIN BRACKET
5.1	1520288	1	BOLT, HHCS G8.8, M12 X 1.75 X 50
5.2	1520567	1	BOLT, HHCS G10.9, M12 X 1.75 X 100
5.3	1540555	1	BOLT, SHCS, M6X1.0X20, GR12.9 PLT
5.4	1520579	1	BOLT, HHCS G10.9, M10 X 1.5 X 75
5.5	1570492	2	WASHER, FLAT, M12, PLATED
6	3800626	1	FAST PACK, AIR FILTER
6.1	2200026	2	CLAMP, HOSE HS28
7	3800627	1	FAST PACK, OIL FILL
7.1	1520513	1	BOLT, HHCS G10.9, M8 X 1.25 X 30
7.2	1560407	1	NUT, NYLOCK, M8
7.3	1570067	2	WASHER, SAE, 5/16
7.4	2200083	1	CLAMP, C R.I., 1 1/4
7.5	4800500	1	ASSEMBLY, OIL FILL CAP

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

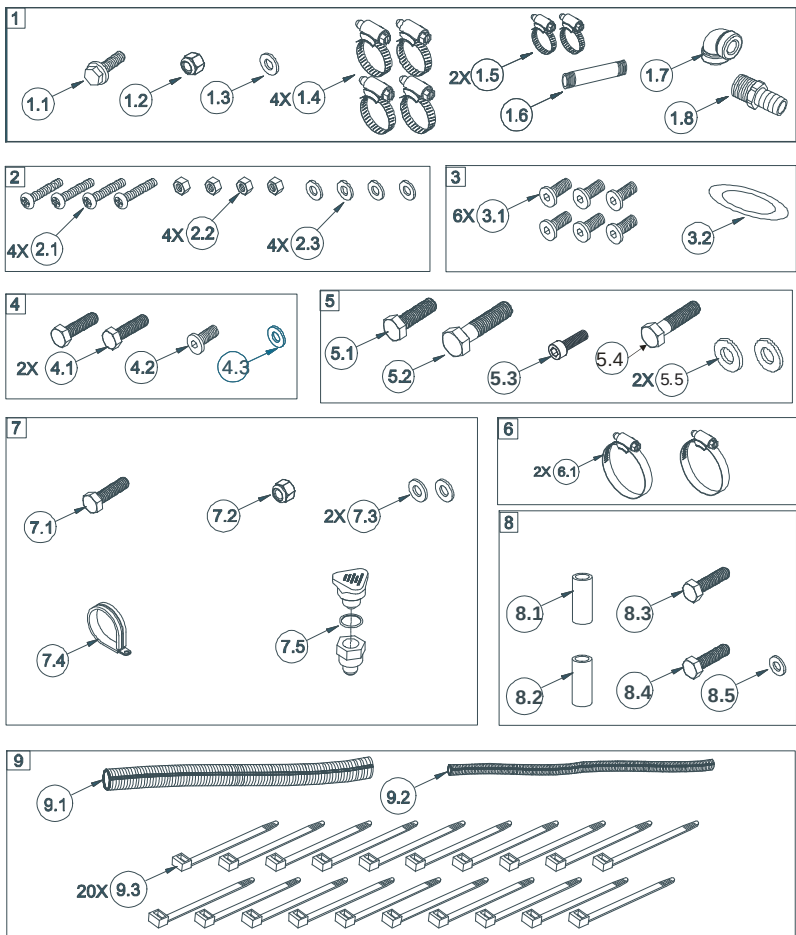


Figure 4 – Fastener Packs (V900106)

Fastener Packs, 3800699 (continued) (V900106)

8	3800628	1	FAST PACK, FAN SHROUD
8.1	1400299	1	SPACER, FAN SHROUD
8.2	1400322	1	SPACER, FAN WIRE
8.3	1520031	1	BOLT, HHCS G10.9, M8 X 1.25 X 40
8.4	1520555	1	BOLT, HHCS G8.8, M6 X 1.0 X 30
8.5	1570038	1	WASHER, FLAT SAE, 1/4
9	3800629	1	FAST PACK, WIRING LOOM
9.1	1700029	1	LOOM, SPLIT PLASTIC, 1/2 , HIGH TEMP
9.2	1700581	1	LOOM, SPLIT PLASTIC, 1/4 , HIGH TEMP
9.3	2200039	20	TIE, NYLON MD, 7"
10	3800676	1	FASTENER PACK, TEFLON HOSE
10.1	1700570	103.5	TUBE, TEFLON, PTFE, 1/4"OD X 3/16"ID
10.2	1700571	108.5	TUBE, TEFLON, PTFE, 3/16"OD X 1/8"ID
10.3	1700581	103.5	LOOM, SPLIT PLASTIC, 1/4, HIGH TEMP
10.4	1700581	108.5	LOOM, SPLIT PLASTIC, 1/4, HIGH TEMP
10.5	2200039	10	TIE, NYLON MD, 7"
11	3800698	1	FASTENER PACK, SWAY BAR 4500-5500
11.1	1520538	4	BOLT, HHCS, FLHD, M10 X 1.50 X 35
11.2	1400301	2	SPACER, SWAY BAR
12	3800714	1	FASTENER PACK, TANK MOUNT STRAP
12.1	1510003	4	BOLT, HHCS NC G8 PL, 5/16 X 1
12.2	1510538	2	BOLT, HHCS NC FL-PL 3/8 X 4 1/2 IN
12.3	1510539	2	BOLT, HHCS NC FL-PL 3/8 X 6 IN
12.4	1550084	4	NUT, NYLOCK NC PL, 5/16
12.5	1550504	2	NUT, FLANGE LOCK NC GR5, 3/8
12.6	1570009	4	WASHER, SPLIT LOCK, 3/8
12.7	1570067	4	WASHER, SAE, 5/16
13	3800563	1	FAST PACK, OIL HOSE SUPPORT
13.1	1200496	1	BRACKET, OIL LINE P CLIP MOUNT
13.2	1520527	1	BOLT, HHCS G8.8, M6 X 1.0 X 25
13.3	1560438	1	NUT, NYLOCK, M6
13.4	1570038	2	WASHER, FLAT SAE, 1/4
13.5	2200018	4	TIE, NYLON MD, 11
13.6	2200046	1	CLAMP, STRAP, 1 5/8

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

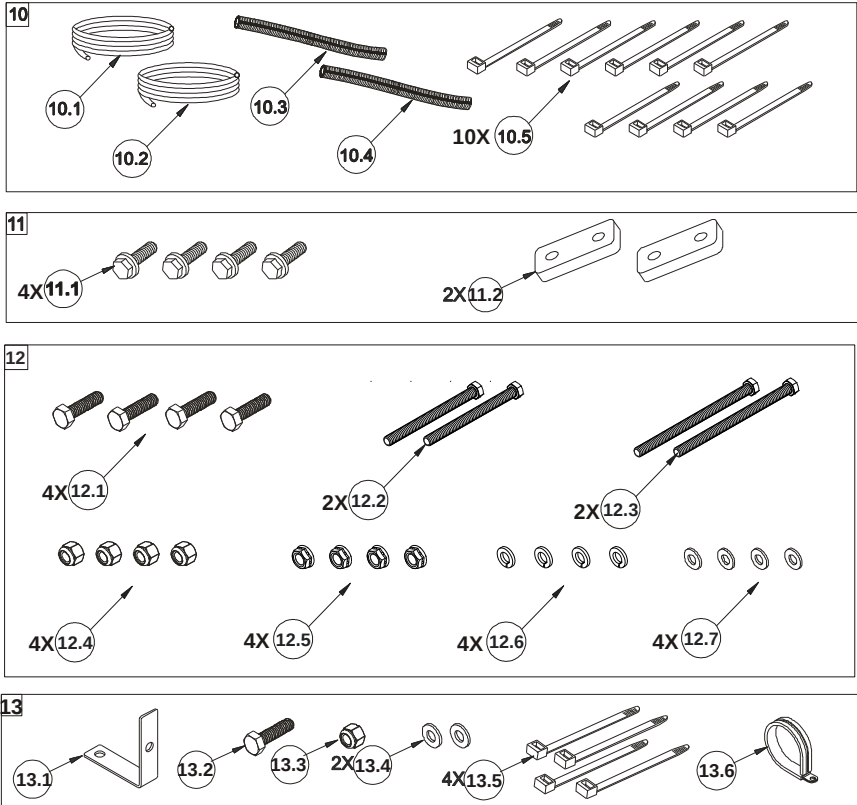


Figure 5 – Fastener Packs (cont.) (V900106)

4. Compressor Assembly, P120119 (V900104)

Item #	Part #	Qty	Description
1	5830004	1	O-RING, VITON, 3 1/8 ID X 1/8
2	9200448	1	INLET VALVE, INVERTED REMOTE
3	5830132	2	O-RING, VITON, #8 ORB
4	4900002	1	ELBOW, STEEL JIC/O-RING, 1/2 3/4-16
5	P120125	1	ASSEMBLY COMPRESSOR
6	4900143	1	ELBOW, STEEL, 45, 14 ORB - 12 JIC
7	1540530	4	BOLT, SHCS, M8 x 1.25 x 55, GR12.9 PLT
8	5000162	1	CONNECT,BRASS NPT-POLY,3/16-1/8 NPT
9	5000020	1	ELBOW, BRASS NPT-POLY, 1/8-1/4"
10	3500288	1	SENSOR PRESSURE
11	4300076	2	PIPE FTG, PLUG SKT HEAD, 1/8
12	3600123	1	VALVE, CHECK, 1/8 NPT
13	4400295	1	LABEL, VR70 NAME PLATE
14	1500355	2	SCREW, LONG U DRIVE, 2 - 3/16
15	5000112	1	ELBOW, BRASS STREET 45 DEG, 1/8
16	4900149	1	FITTING, MODIFIED (4900002)

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

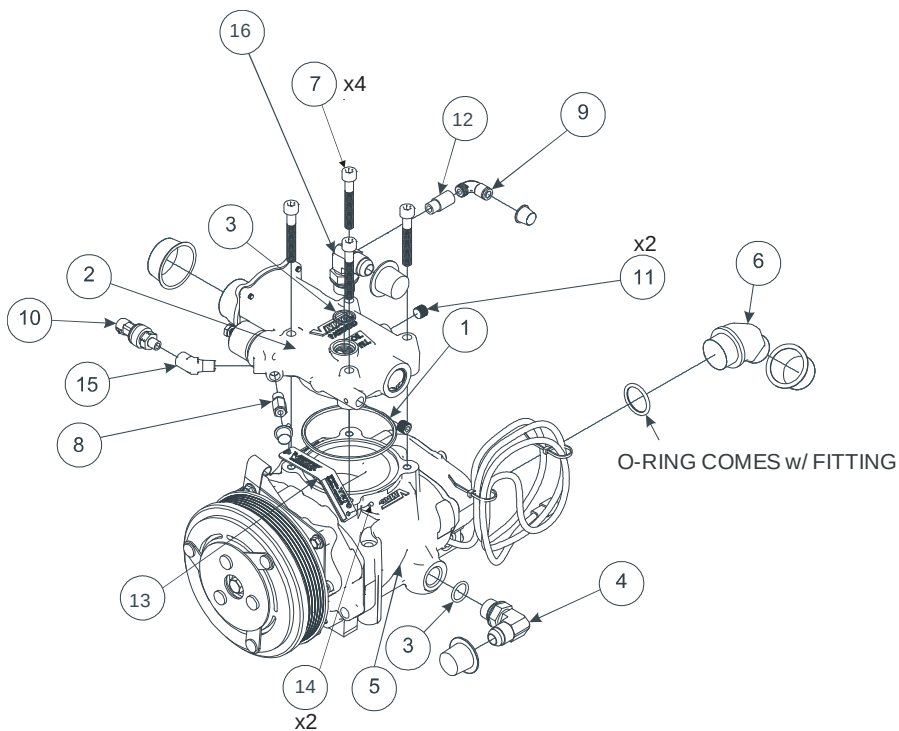


Figure 6 – Compressor Assembly (P120119)

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

5. Compressor Assembly, P120126 (V900106)

Item #	Part #	Qty	Description
1	5830004	2	O-RING, VITON, 3 1/8 ID X 1/8
2	9200448	1	INLET VALVE, INVERTED REMOTE
3	4900002	1	ELBOW, STEEL JIC/O-RING, 1/2 3/4-16
4	4900143	1	ELBOW, STEEL, 45, 14 ORB - 12 JIC
5	P120125	1	ASSEMBLY, COMPRESSOR
6	1540530	4	BOLT, SHCS, M8 X 1.25 X 55, G12.9 PLT
7	1520566	2	BOLT, FLAT HEAD, PL M8 X 1.25 X 20MM
8	5000165	1	ELBOW, 90, BRASS NPT-POLY, 1/8-3/16
9	5000020	1	ELBOW, BRASS NPT-POLY, 1/8-1/4
10	3500288	1	SENSOR, PRESSURE
11	4300076	2	PIPE FTG, PLUG SKT HEAD, 1/8
12	3600123	1	VALVE, CHECK, 1/8 NPT
13	4400295	1	LABEL, VR70 NAME PLATE
14	1500355	2	SCREW, LONG U DRIVE, 2 - 3/16
15	5000112	1	ELBOW, BRASS STREET 45 DEG, 1/8
16	9200490	1	ADAPTER, INLET VALVE
17	1540389	2	BOLT, SHCS, PLATED, M8 X 1.25 X 18,
18	4900149	1	FITTING, MODIFIED (4900002)
19	5830132	2	O-RING, VITON, #8 ORB
20	1570502	1	WASHER, M8, COPPER SEALING

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

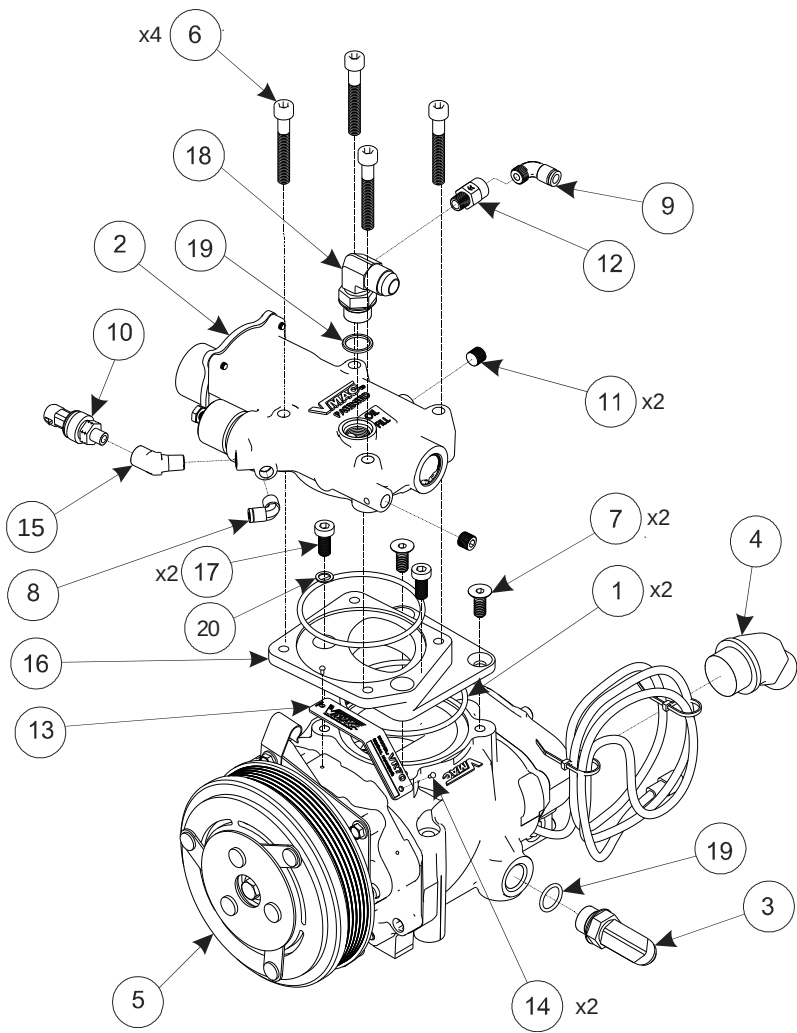


Figure 7 – Compressor Assembly (P120126)

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

6. Compressor Sub Components, P120125

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

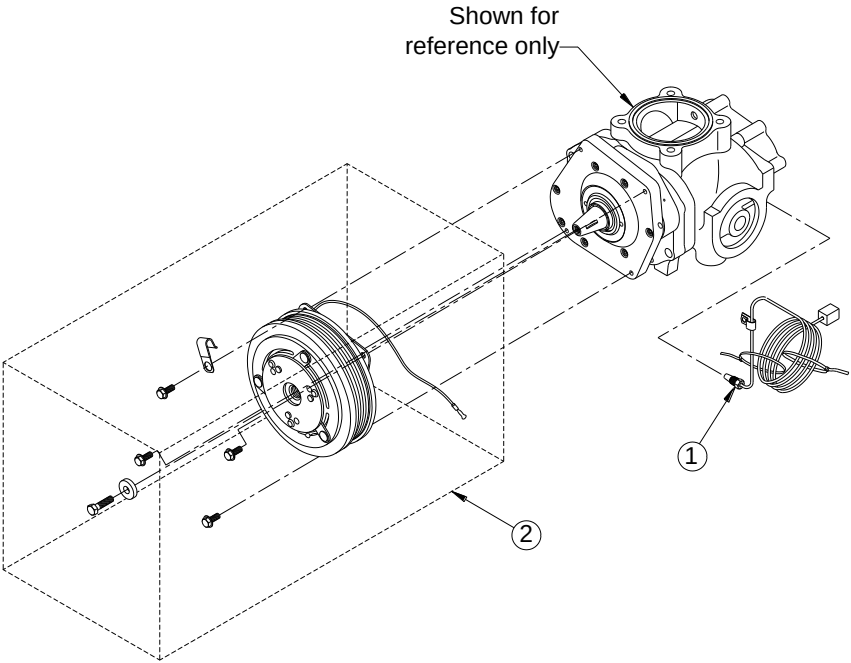


Figure 8 – Compressor Sub Components

7. Inlet Valve Sub Components, 9200447 & 9200448

Item #	Part #	Qty	Description
1	3600046	1	REGULATOR VALVE
2	4900045	1	PLUG (V900104)
3	5830002	1	O-RING, VITON, 2 3/8 ID X 3/32
4	5830129	1	O-RING, VITON, 1 7/8 ID X 3/16

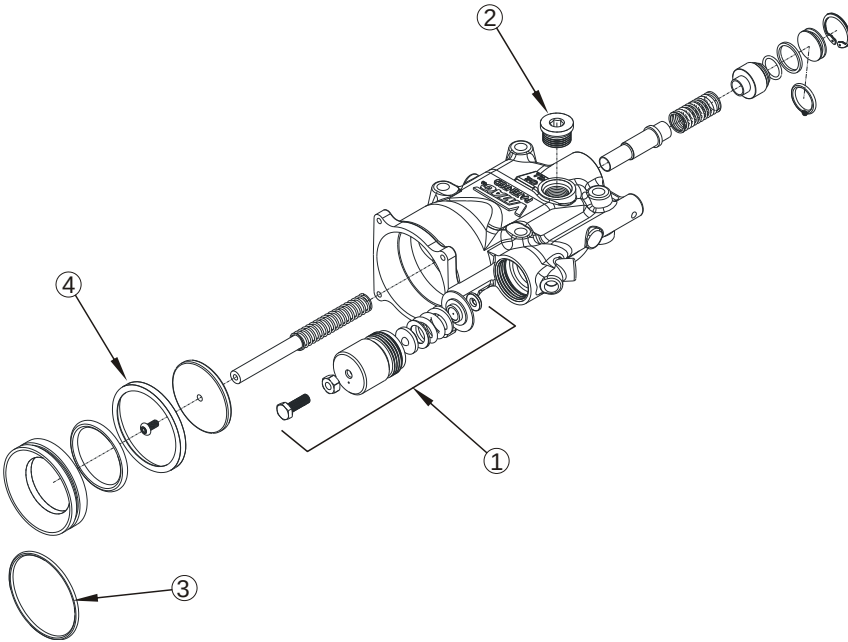


Figure 9 – Inlet Valve Sub Components

8. Main Bracket Assembly, 4800492

Item #	Part #	Qty	Description
1	1100174	1	BRACKET, MAIN DODGE
2	1300031	1	IDLER, SERP, BACK, FLANGE, 90MM STEEL
3	3300034	1	TENSIONER 38529
4	1200521	1	BRACKET, FAN SHROUD
5	1520540	1	BOLT, HHCS, FLHD, M10 X 1.5 X 55
6	4400463	1	LABEL, FASTENERS NOT TIGHTENED

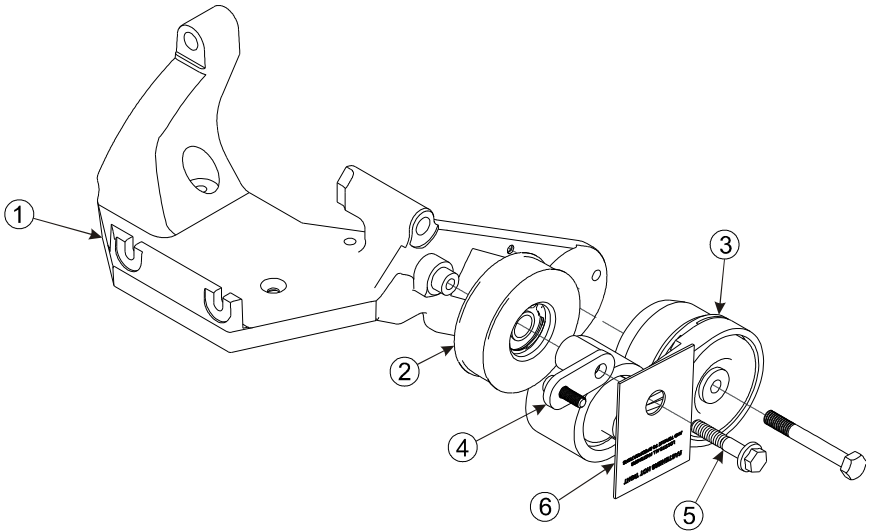


Figure 10 – Main Bracket Assembly

9. Tank, VR70, 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

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

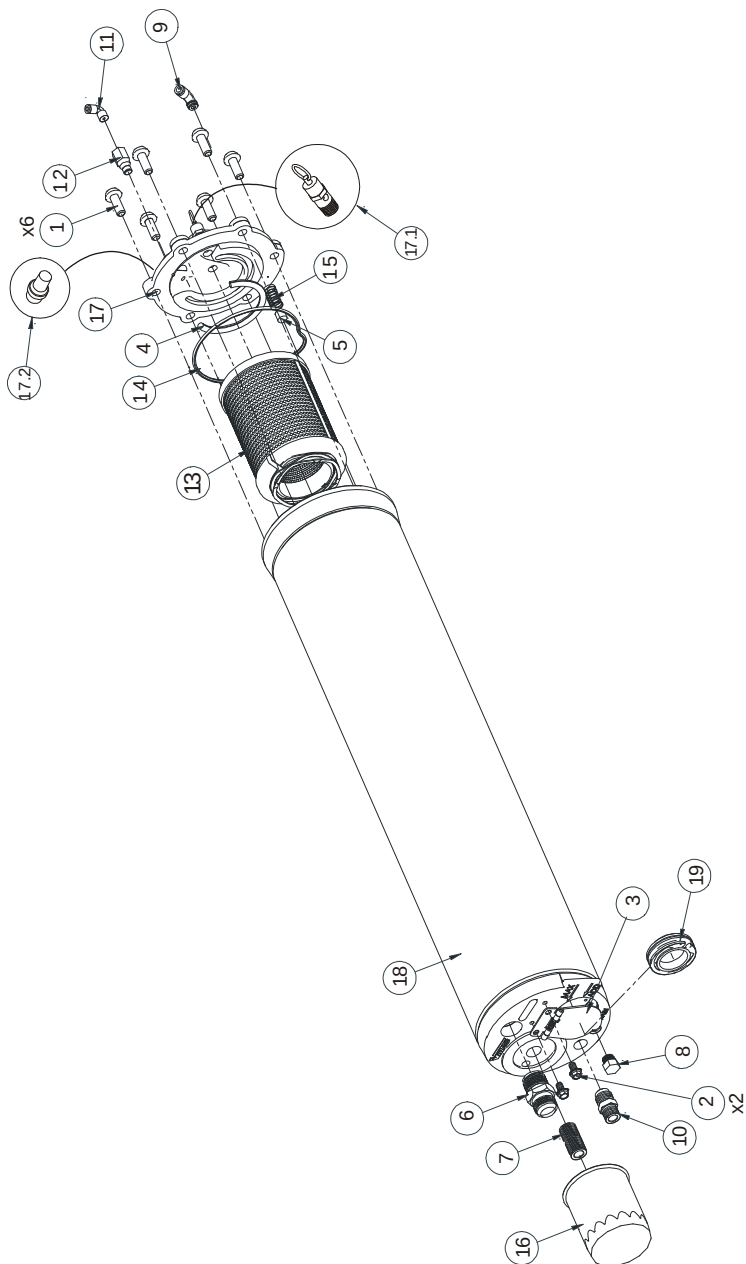


Figure 11 - VR70 Tank

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

10. Remote Filter, 4800523

Item #	Part #	Qty	Description
1	1200556	1	WELDMENT, DODGE AIR FILTER
2	1500519	1	ROD, THREADED, 1/4 X 2.62
3	1550221	1	NUT, HEX NC PL, 1/4, GR8
4	3600037	1	ELEMENT, FILTER, PAPER
5	3600066	1	COVER, AIR FILTER, PLASTIC
6	1570038	1	WASHER, FLAT SAE, 1/4
7	1550029	1	NUT, NYLOCK NC, 1/4

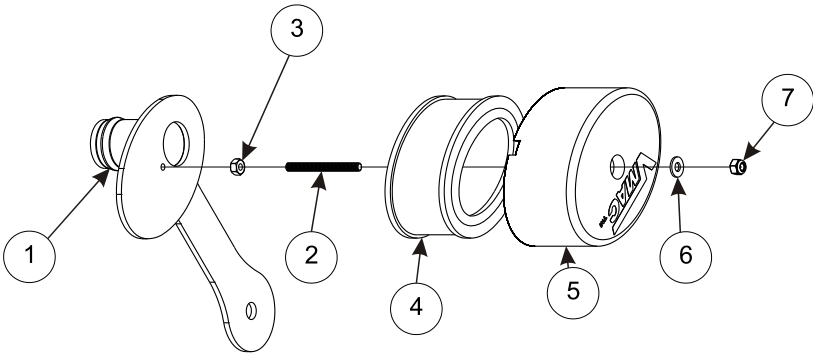


Figure 12 – Remote filter

11. Splash Guard, Inlet, 4800524

Item #	Part #	Qty	Description
1	1200557	1	WELDMENT, SPLASH GUARD
2	2200046	2	CLAMP, STRAP, 1 5/8
3	1700586	55"	HOSE, FLEXIBLE, NITRILE AIR INTAKE 1.5"
4	1560438	2	NUT, M6X 1.0 ZINC PL

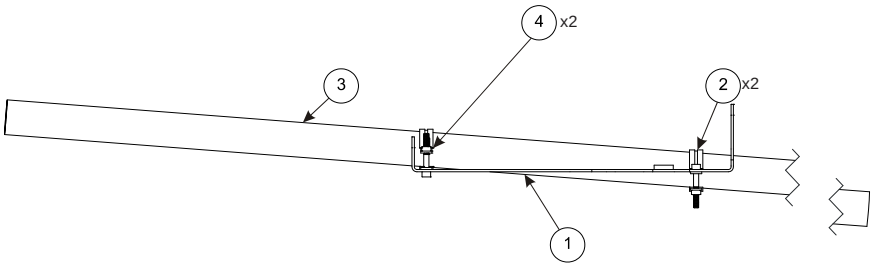


Figure 13 – Splash Guard, Inlet

VMAC – Vehicle Mounted Air Compressors

Toll Free: 1-800-738-8622

Local: 1-250-740-3200

Fax: 1-250-740-3201

