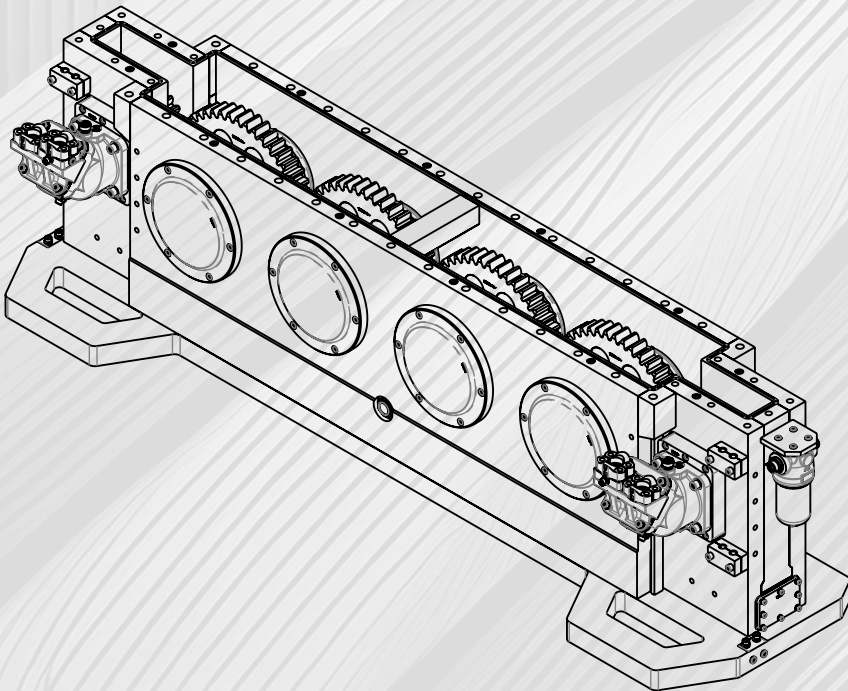




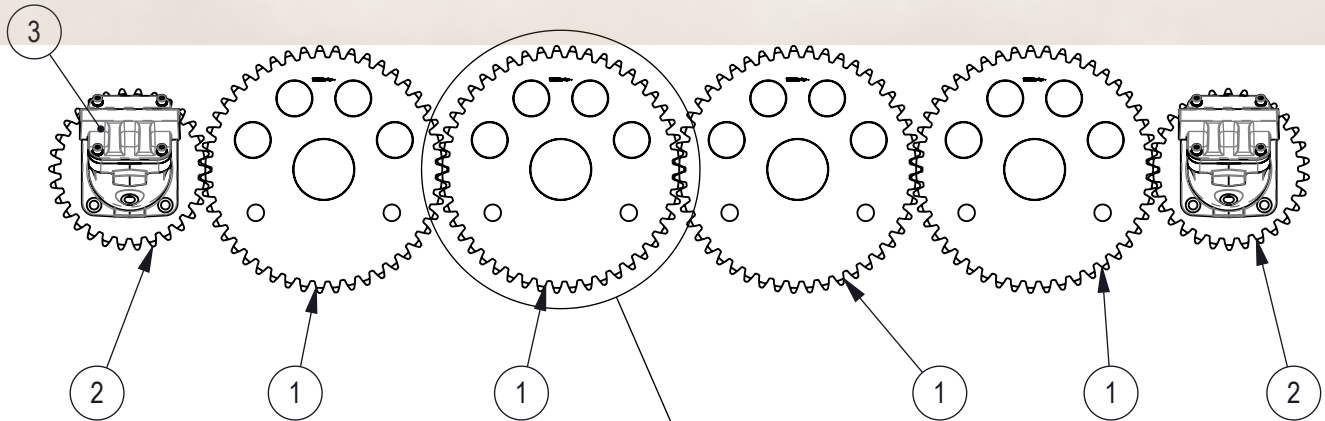
Parts manual vibration case V46-V



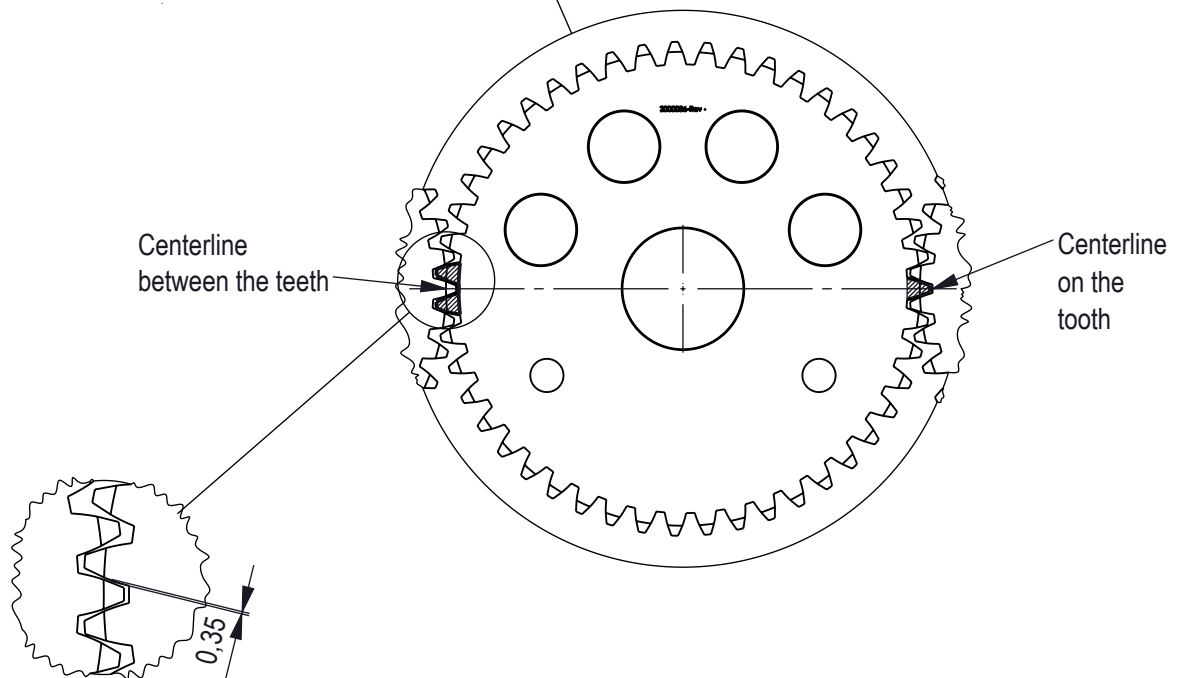
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V46-V VIBRATION CASE PARTS MANUAL



Make sure all gears face the same direction
See the above front view of the gears



Use 2.5 mm solder to measure gear clearance
Place a L-Shape piece of solder between the gears and use calipers
to measure the exact clearance

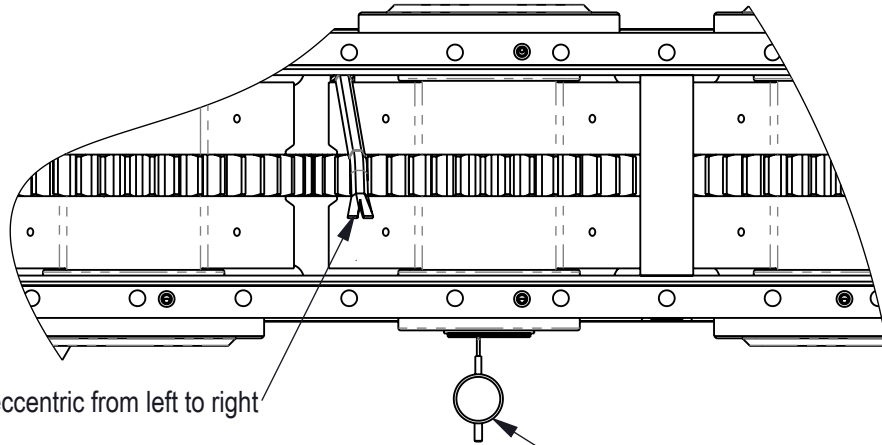
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000006	Eccentric gear	4
2	2000016	Motor Gear	2
3	2000029	M125 A W1 L0 M2 0 0 SV F-D	2

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V46-V VIBRATION CASE PARTS MANUAL

Measuring Axial clearance



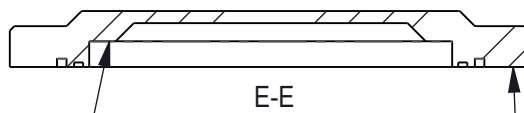
Use crowbar to shift eccentric from left to right

Measure axial clearance with dial gauge

Axial clearance should be between 0.5 an 1.5 mm

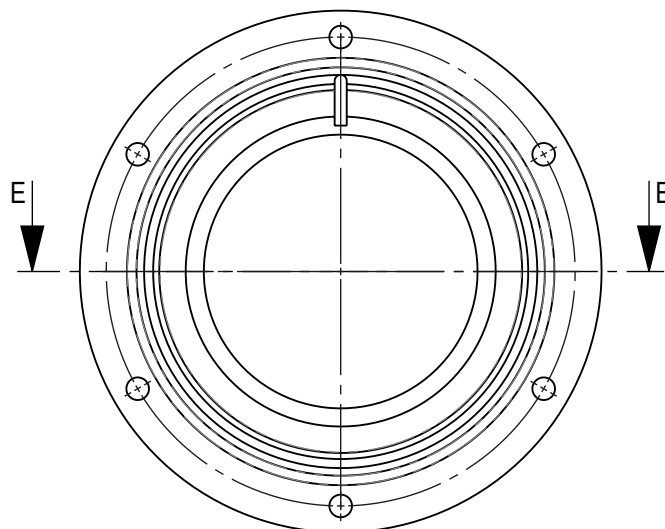
If the clearance isnt between tolerance both bearing covers need to be adjusted.

Never adjust only one of the covers.



Clearance to small
remove 50% of extra clearance from this
surface

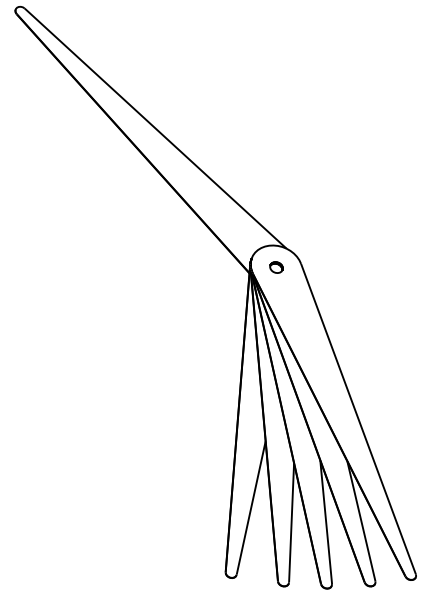
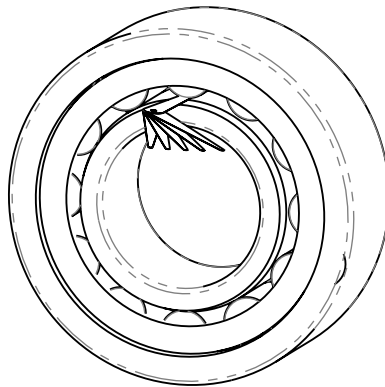
Clearance to big remove 50% of extra cleance
from this surface Make sure to update O-ring and
oil groove depth





V46-V VIBRATION CASE PARTS MANUAL

Measure bearings before assembly

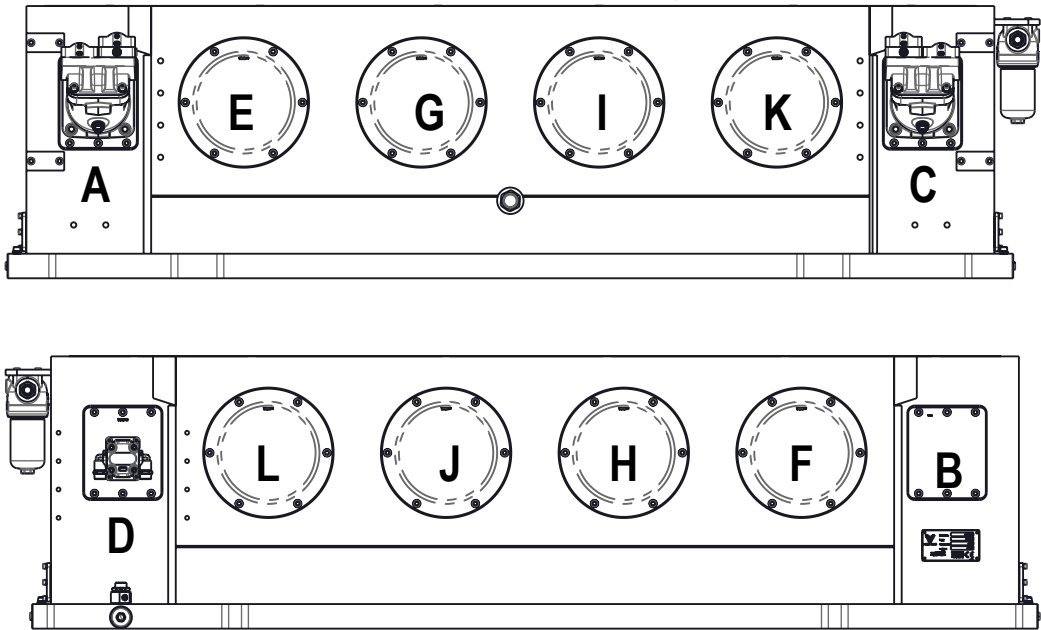


For correct dimension always measure clearance of the top three rollers
Mark results in test report dimension before assembly



V46-V VIBRATION CASE PARTS MANUAL

Bearing and clearance reference

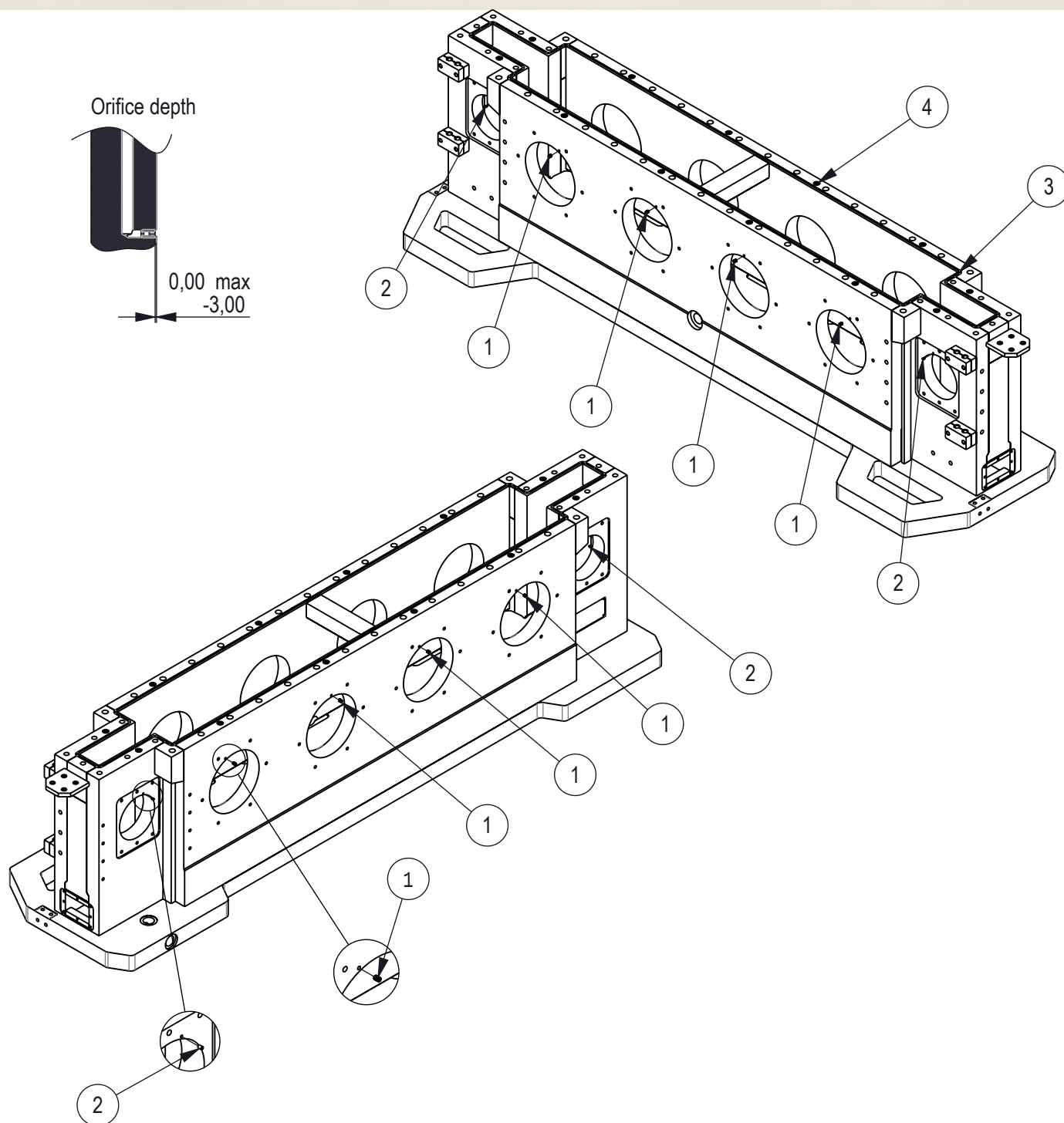


Axial Clearance	
A-B	
C-D	
E-F	
G-H	
I-J	
K-L	

Gear Clearance	
A-B	
C-D	
E-F	
G-H	
I-J	
K-L	

Bearing Clearance		
	Before assembly	After assembly
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		

V46-V VIBRATION CASE PARTS MANUAL

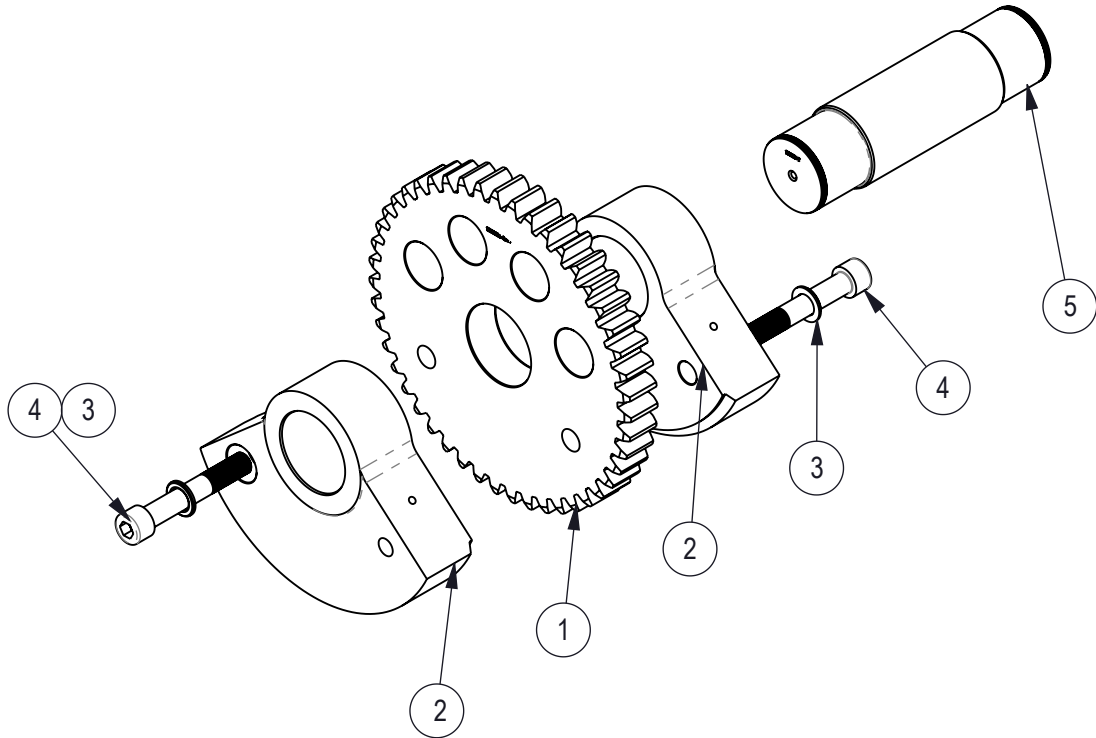


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000004	Orifice 1.5 M8	8
2	2000024	Orifice 1.5 M6	4
3	2000025	O-ring 5 x L = 5435	1
4	1000009	O-ring 14 x 3,5 70 sh	12

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V46-V VIBRATION CASE PARTS MANUAL



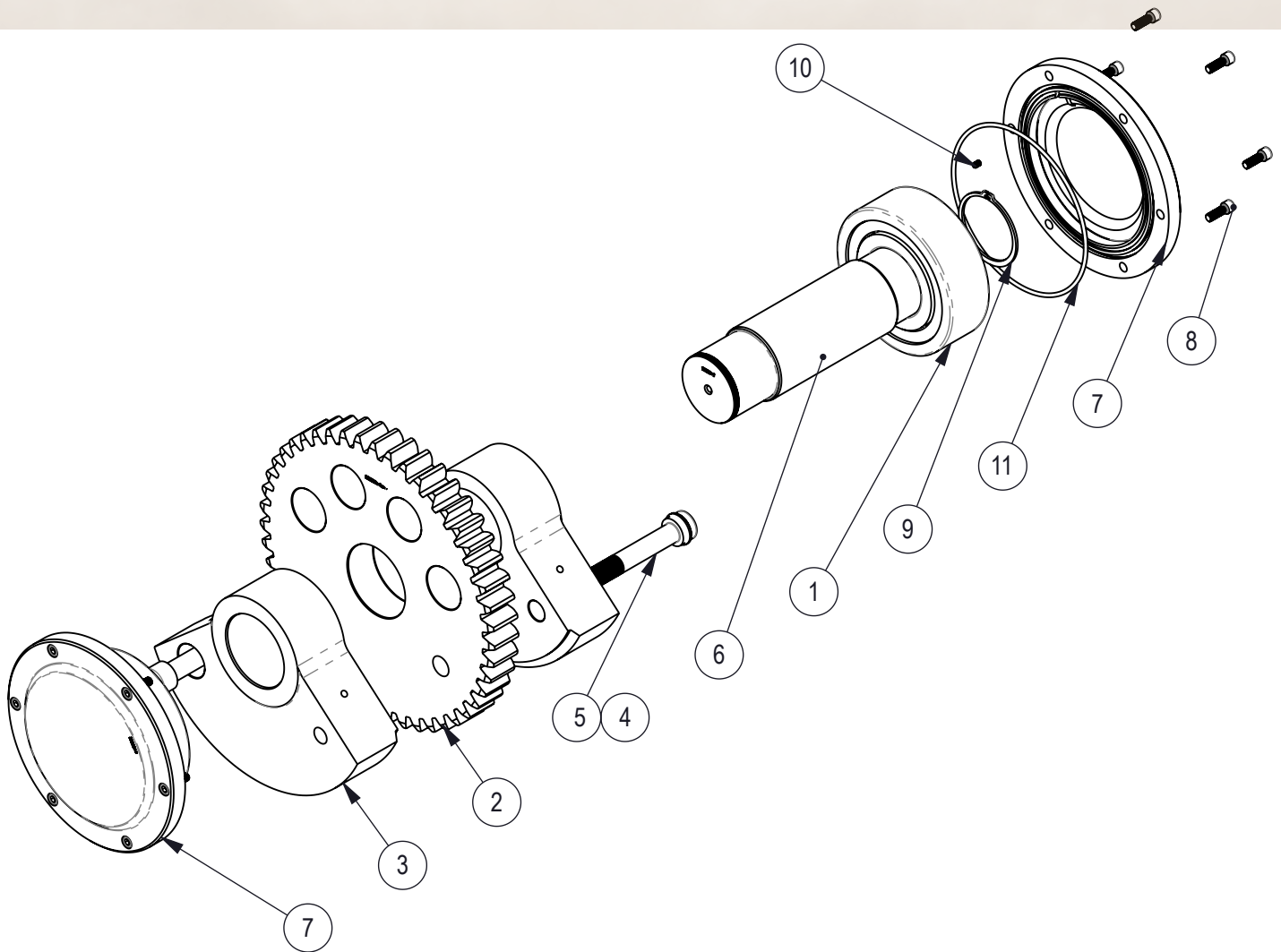
Clean all parts before assembly
Make sure no sharp edges remain
Loosely fit all parts together using sufficient oil.
Use a nylon hammer to tap the shaft vertically during assembly
Tighten the bolts by hand during tapping of the shaft
Use Loctite 243 to secure the bolts
Make sure the shaft move freely before placing the bolts at final torque
M30 bolt torque 2403 Nm
After Assembly the shaft should be able to move out of the eccentric assembly without force

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000006	Eccentric gear	1
2	2000011	Eccentric	2
3	1001214	M30 C45 350 HV	2
4	1001215	SHCS M30 x 190 12.9 Din 912	2
5	2000012	P46-Eccentric shaft	1

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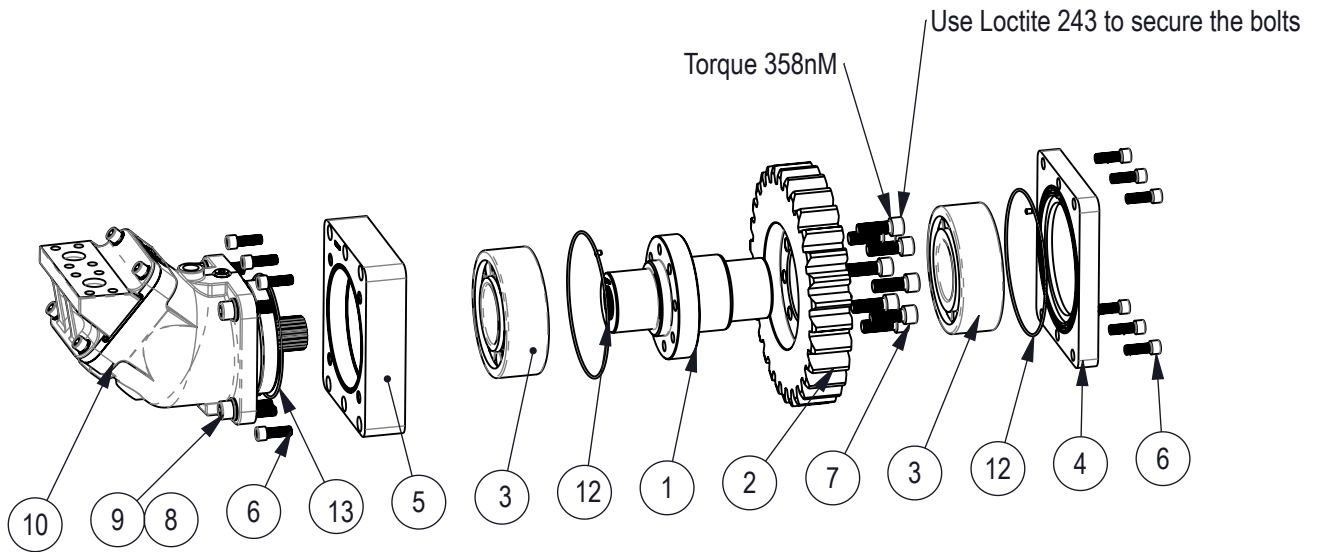


V46-V VIBRATION CASE PARTS MANUAL



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000013	Bearing	2
2	2000006	Eccentric gear	1
3	2000011	Eccentric	2
4	1001214	M30 C45 350 HV	2
5	1001215	SHCS M30 x 190 12.9 Din 912	2
6	2000012	P46-Eccentric shaft	1
7	2000019	Bearing cover	2
8	1000237	SHCS M12 x 35 12.9 Din912	12
9	1001235	Retaining ring ext. 110 x 4 Din 471	2
10	2000004	Orifice 1.5 M8	2
11	1000025	O-ring 270 x 6 70 sh	2

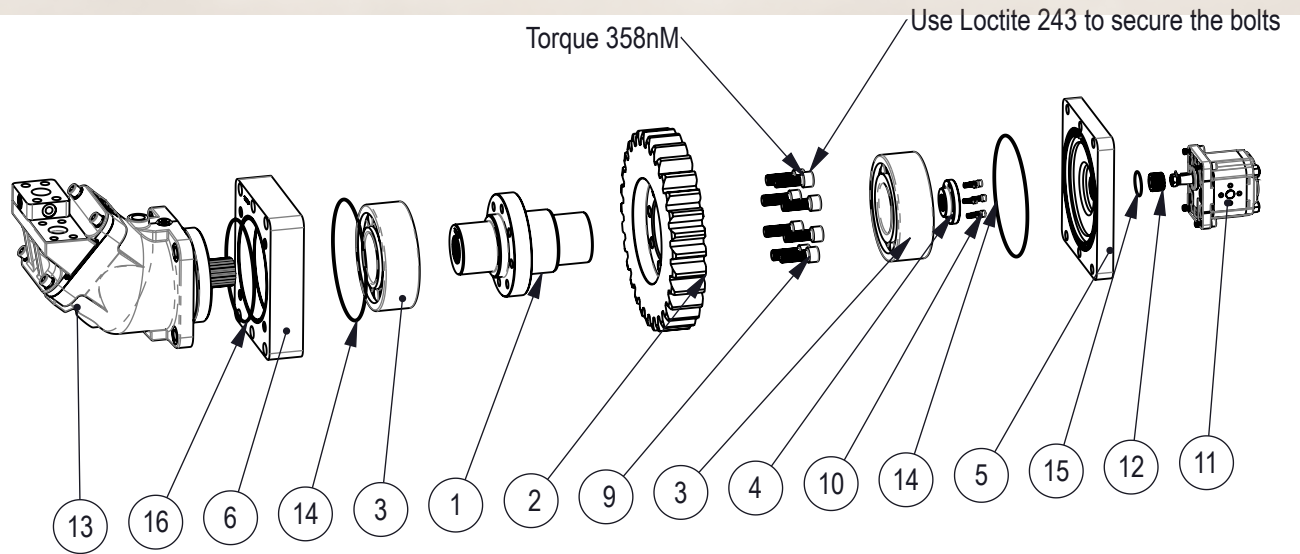
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**V46-V VIBRATION CASE PARTS MANUAL**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000014	Motor/pump shaft	1
2	2000016	Motor Gear	1
3	2000017	Bearing	2
4	2000020	Motor Bearing cover	1
5	2000021	Motor mount bearing cover	1
6	1000237	SHCS M12 x 35 12.9 Din912	12
7	1000242	SHCS M16 x 45 12.9 DIN 912	8
8	1000247	Flat washer M16 D125A	4
9	1001222	SHCS M16 x 55 Din 912 12.9	4
10	2000029	M125 A W1 L0 M2 0 0 SV F-D	1
11	2000024	Orifice 1.5 M6	2
12	1000040	O-Ring 190 x 3 70sh	2
13	1000017	O-ring 160 x 3 70 sh	1

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V46-V VIBRATION CASE PARTS MANUAL

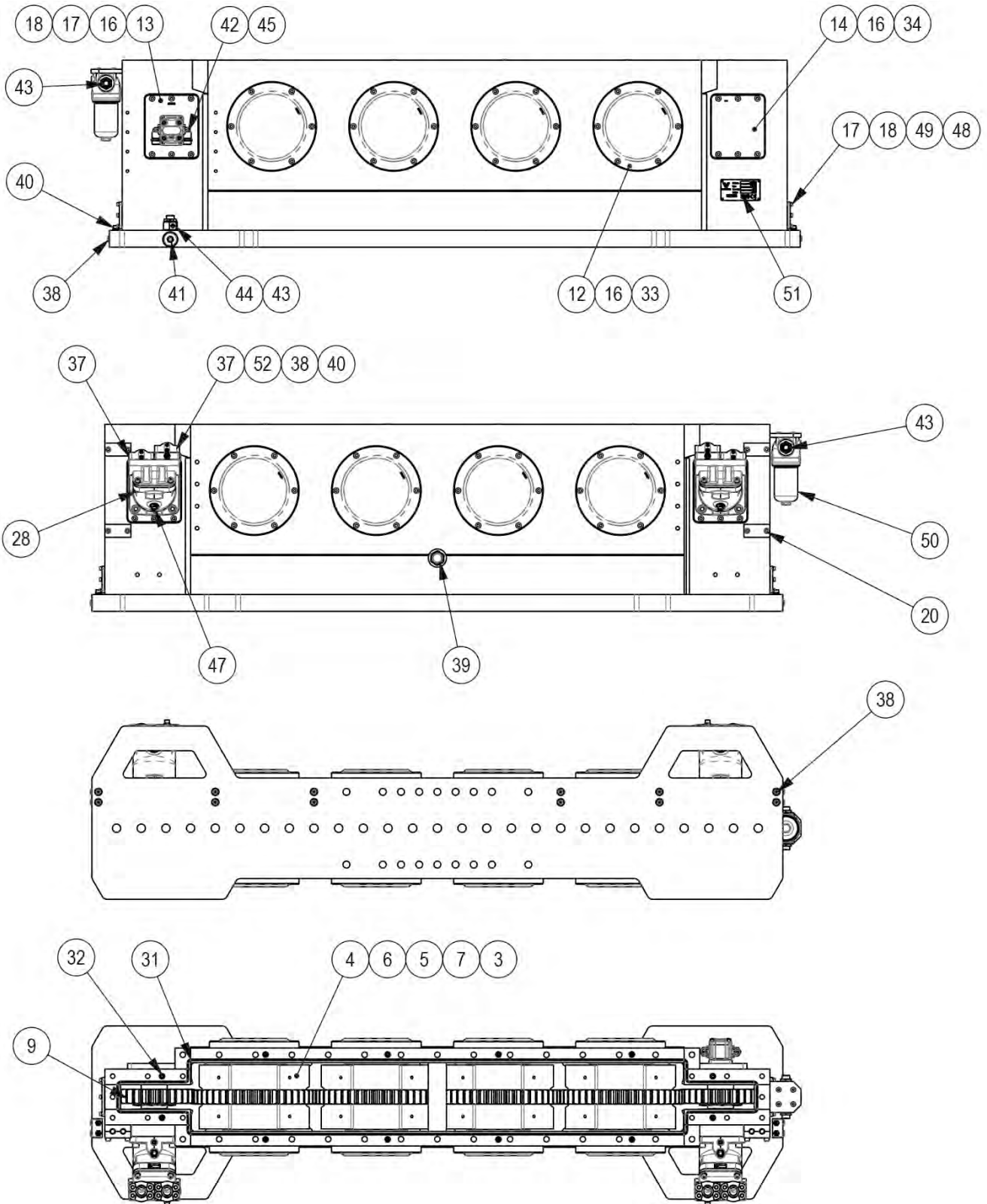


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000014	Motor/pump shaft	1
2	2000016	Motor Gear	1
3	2000017	Bearing	2
4	2000015	Pump adapter spline	1
5	2000018	Motor / Pump Bearing cover	1
6	2000021	Motor mount bearing cover	1
7	1001218	SHCS M8 x 25 Din 912 12.9	4
8	1001219	Springwasher M8 Din 127B	4
9	1000242	SHCS M16 x 45 12.9 DIN 912	8
10	1001242	SHCS M6 x 16 Din 912 12.9	6
11	2000022	9CC Gearpump	1
12	2000023	Splinebus 28x25-15;18 spie 4	1
13	2000029	M125 A W1 L0 M2 0 0 SV F-D	1
14	1000040	O-Ring 190 x 3 70sh	2
15	1000013	O-ring 36.5 x 2 70 sh	1
16	1000017	O-ring 160 x 3 70 sh	1
17	2000030	Flush flange 11/4" 6000 M12	1

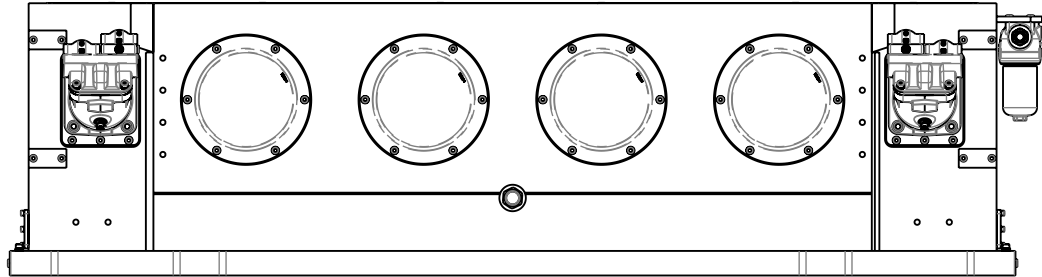
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V46-V VIBRATION CASE PARTS MANUAL

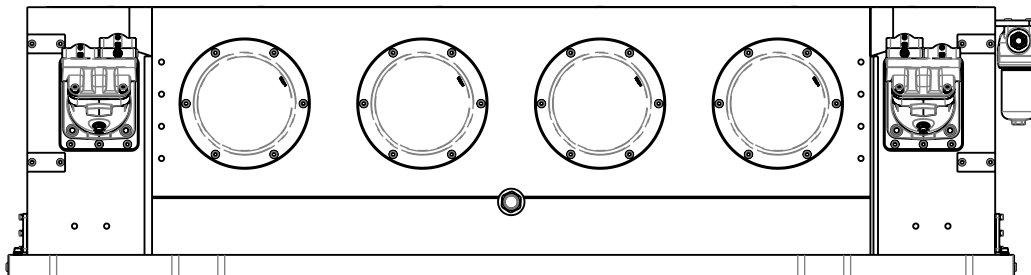


V46-V VIBRATION CASE PARTS MANUAL



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000001	Vibrationcase Assembly	1
2	2000013	Bearing	8
3	2000006	Eccentric gear	4
4	2000011	Eccentric	8
5	1001214	M30 C45 350 HV	8
6	1001215	SHCS M30 x 190 12.9 Din 912	8
7	2000012	P46-Eccentric shaft	4
8	2000014	Motor/pump shaft	2
9	2000016	Motor Gear	2
10	2000017	Bearing	4
11	2000015	Pump adapter spline	1
12	2000019	Bearing cover	8
13	2000018	Motor / Pump Bearing cover	1
14	2000020	Motor Bearing cover	1
15	2000021	Motor mount bearing cover	2
16	1000237	SHCS M12 x 35 12.9 Din912	72
17	1001218	SHCS M8 x 25 Din 912 12.9	20
18	1001219	Springwasher M8 Din 127B	20
19	1000242	SHCS M16 x 45 12.9 DIN 912	16
20	1001220	SHCS M12 x 45 Din 912 12.9	8

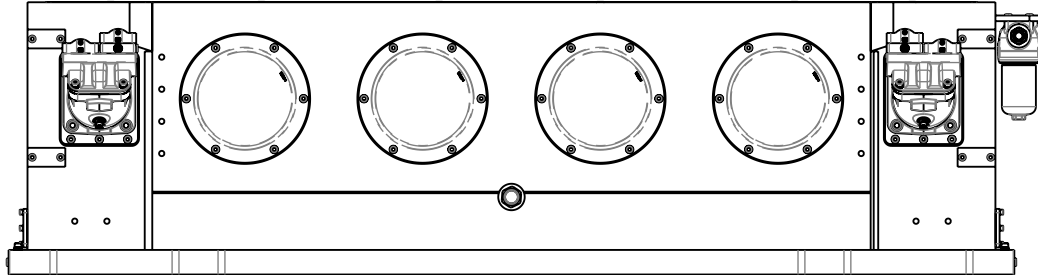
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**V46-V VIBRATION CASE PARTS MANUAL**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
21	1001221	SHCS M10 x 20 Din 912 12.9	4
22	1000247	Flat washer M16 D125A	8
23	1001222	SHCS M16 x 55 Din 912 12.9	8
24	1001235	Retaining ring ext. 110 x 4 Din 471	8
25	1001242	SHCS M6 x 16 Din 912 12.9	6
26	2000022	9CC Gearpump	1
27	2000023	Splinebus 28x25-15;18 spie 4	1
28	2000029	M125 A W1 L0 M2 0 0 SV F-D	2
29	2000004	Orifice 1.5 M8	8
30	2000024	Orifice 1.5 M6	4
31	2000025	O-ring 5 x L = 5435	1
32	1000009	O-ring 14 x 3,5 70 sh	12
33	1000025	O-ring 270 x 6 70 sh	8
34	1000040	O-Ring 190 x 3 70sh	4
35	1000013	O-ring 36.5 x 2 70 sh	1
36	1000017	O-ring 160 x 3 70 sh	2
37	1001216	FHS65_12	8
38	1000006	VSTI-1/4EDCF	20
39	1001217	Sight gauge	1
40	1000208	GE12LR1_4EDOMD	7

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V46-V VIBRATION CASE PARTS MANUAL

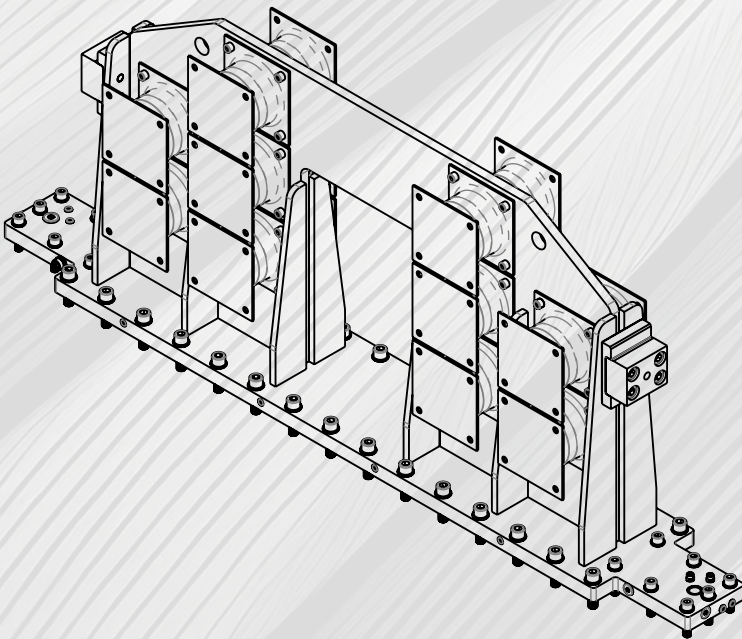


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
41	1000099	VST11_4EDCF	1
42	1000160	BFW3-G12_LK30A3K	2
43	1001237	GE22LR1EDOMD	3
44	1001236	RI11_4EDX1CF	1
45	1000204	GE22LR1_2EDOMD	2
46	1001238	GE22L7_8UNFOMDCF	2
47	1001239	GE12L7_8UNFOMD	2
48	2000028	OIL SUMP COVER Gasket	2
49	2000027	OIL SUMP COVER	2
50	2000026	Lube oil filter	1
51	1000378	SN plate 150 x 80	1
52	2000030	Flush flange 11/4" 6000 M12	2

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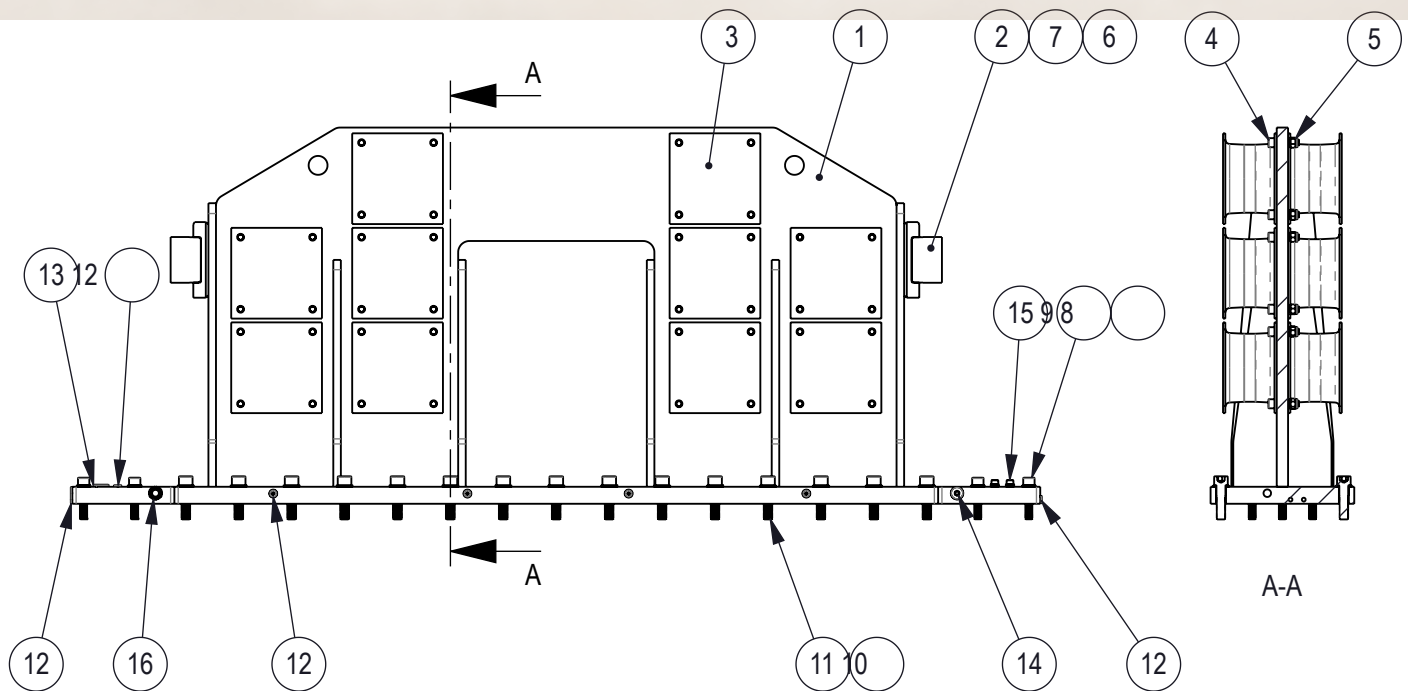


Parts manual suppressor assembly V46-V



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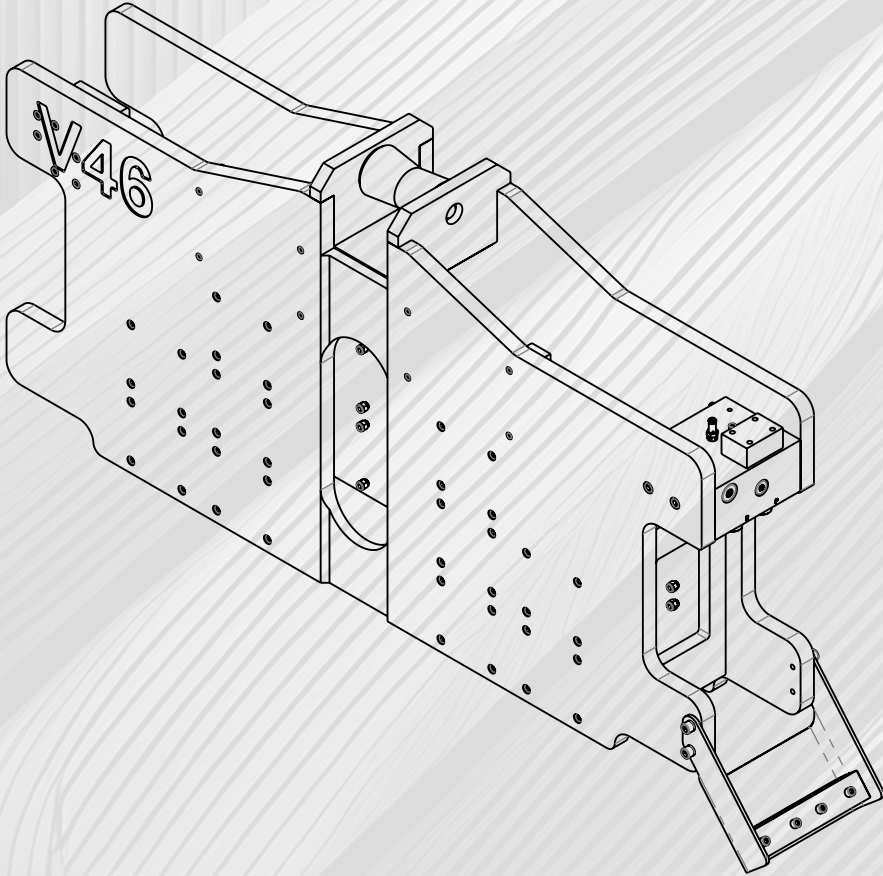
V46-V SUPPRESSOR ASSEMBLY- PARTS MANUAL



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000003	Supressor Assembly_V-46	1
2	2000009	46FM-Hoist Stop	2
3	2000010	Elastomer	20
4	1001223	SHCS M16x65 Din 912 12.9	42
5	1001224	LOCK NUT M16 Din 982	40
6	1001229	SPRING WASHER M24 D127B	8
7	1001230	SHCS M24 x 90 12.9 Din 912	8
8	1001232	HV Flatwasher 20	14
9	1001231	SHCS M20 x 90 12.9 Din 912	14
10	1001234	M24 High strength washer	30
11	1001233	SHCS M24 x 90 12.9 Din 912	30
12	1000006	VSTI-1/4EDCF	10
13	1000215	VSTI1EDCF	1
14	1000445	VSTI3_4EDCF	3
15	1000208	GE12LR1_4EDOMD	2
16	1000476	GE22LR3/4"EDOMDCF	1



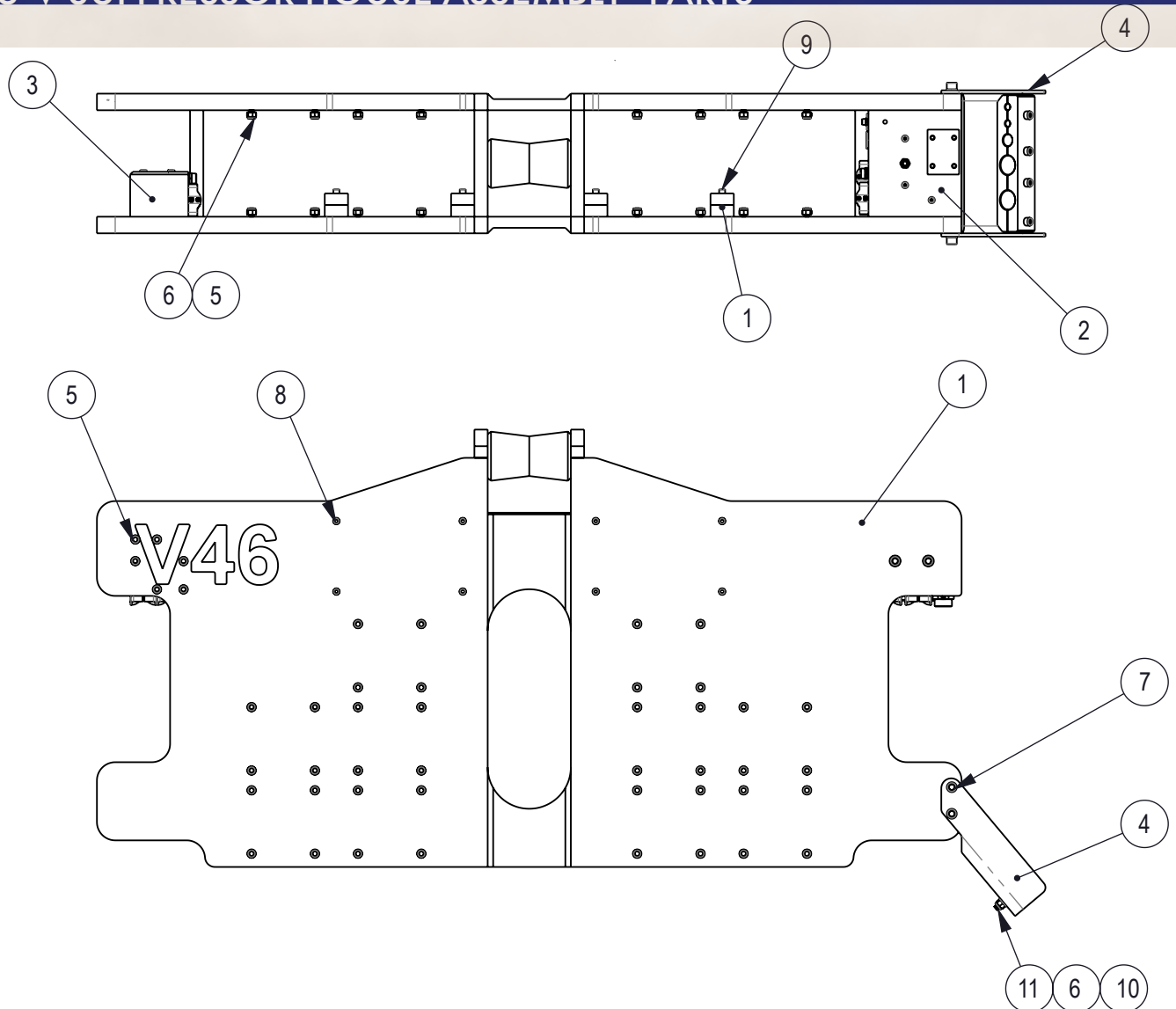
Parts manual Suppressor house assembly V46-V



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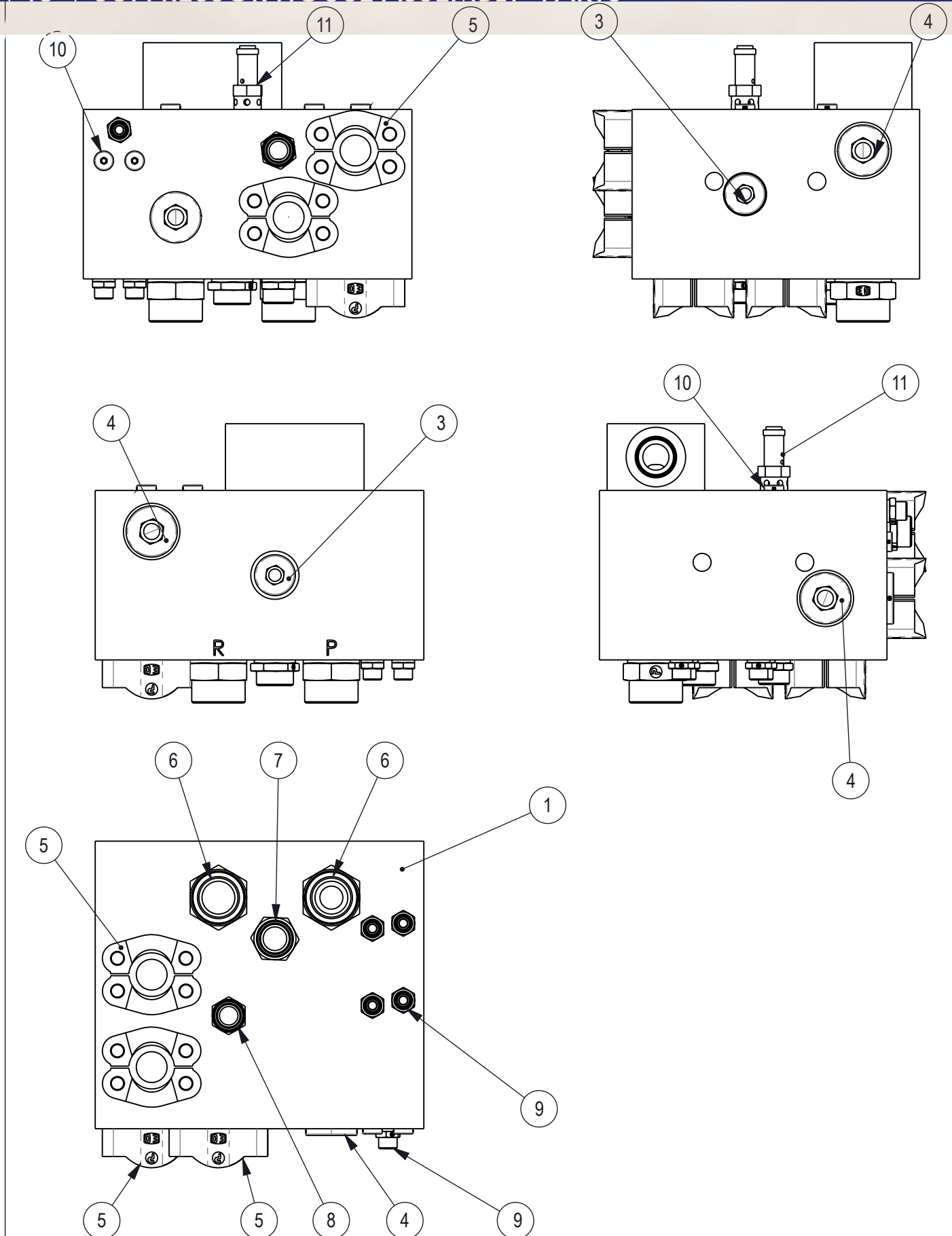
V46-V SUPPRESSOR HOUSE ASSEMBLY- PARTS



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000005	Suppressor housing	1
2	V-46-3100	Drive manifold assembly	1
3	V-46-3200	Angular manifold assembly	1
4	2000033	Hoseguide V-46	1
5	1001222	SHCS M16 x 55 Din 912 12.9	86
6	1001224	LOCK NUT M16 Din 982	84
7	1001225	SHCS M20 x 55 Din 912 12.9	8
8	1001226	SHCS M12 x 100 Din 912 12.9	8
9	1001227	SHCS M12 x 65 Din 912 12.9	8
10	1000247	Flat washer M16 D125A	8
11	1001228	SHCS M16 x 120 Din 912 12.9	4

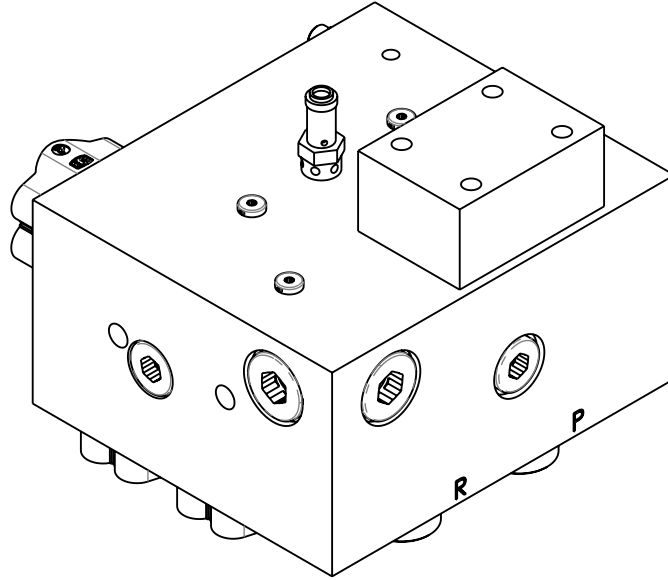
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V46-V SUPPRESSOR HOUSE ASSEMBLY- PARTS



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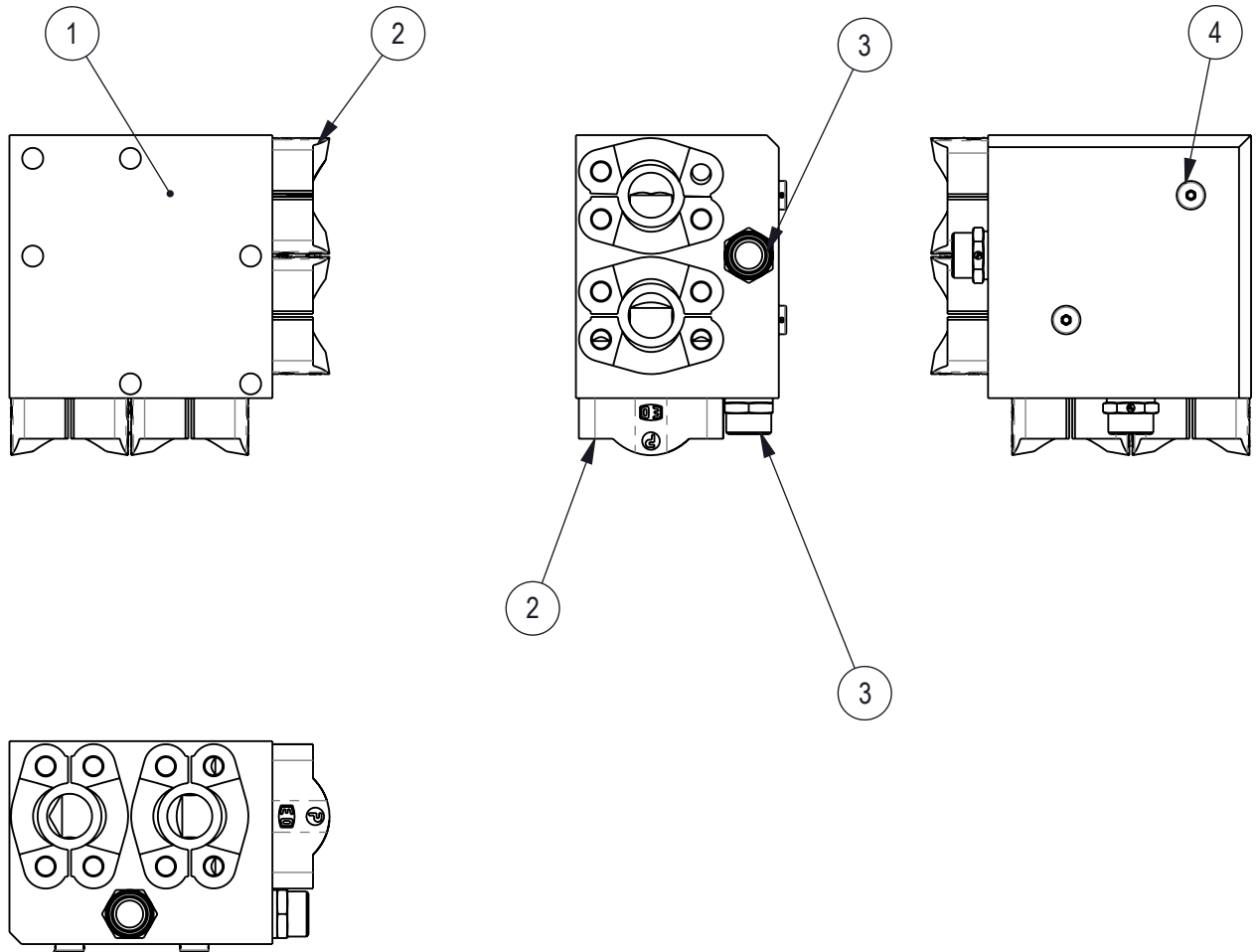
V46-V SUPPRESSOR HOUSE ASSEMBLY- PARTS



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000031	P46-Drive manifold	1
2	2000032	Brakevalve manifold	1
3	1000215	VSTI1EDCF	2
4	1000099	VSTI11_4EDCF	4
5	1001216	FHS65_12	8
6	1000536	GE38SREDOMDCF	2
7	1000180	GE28LROMD	1
8	1000476	GE22LR3/4"EDOMDCF	2
9	1000082	GE12LREDOMDCF	5
10	1000006	VSTI-1/4EDCF	5
11	1001240	7 bar pressure reliefvalve	1

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V46-V SUPPRESSOR HOUSE ASSEMBLY- PARTS



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2000007	Angular manifold	1
2	1001216	FHS65_12	8
3	1000476	GE22LR3/4"EDOMDCF	2
4	1000006	VSTI-1/4EDCF	2

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