

KMD-175

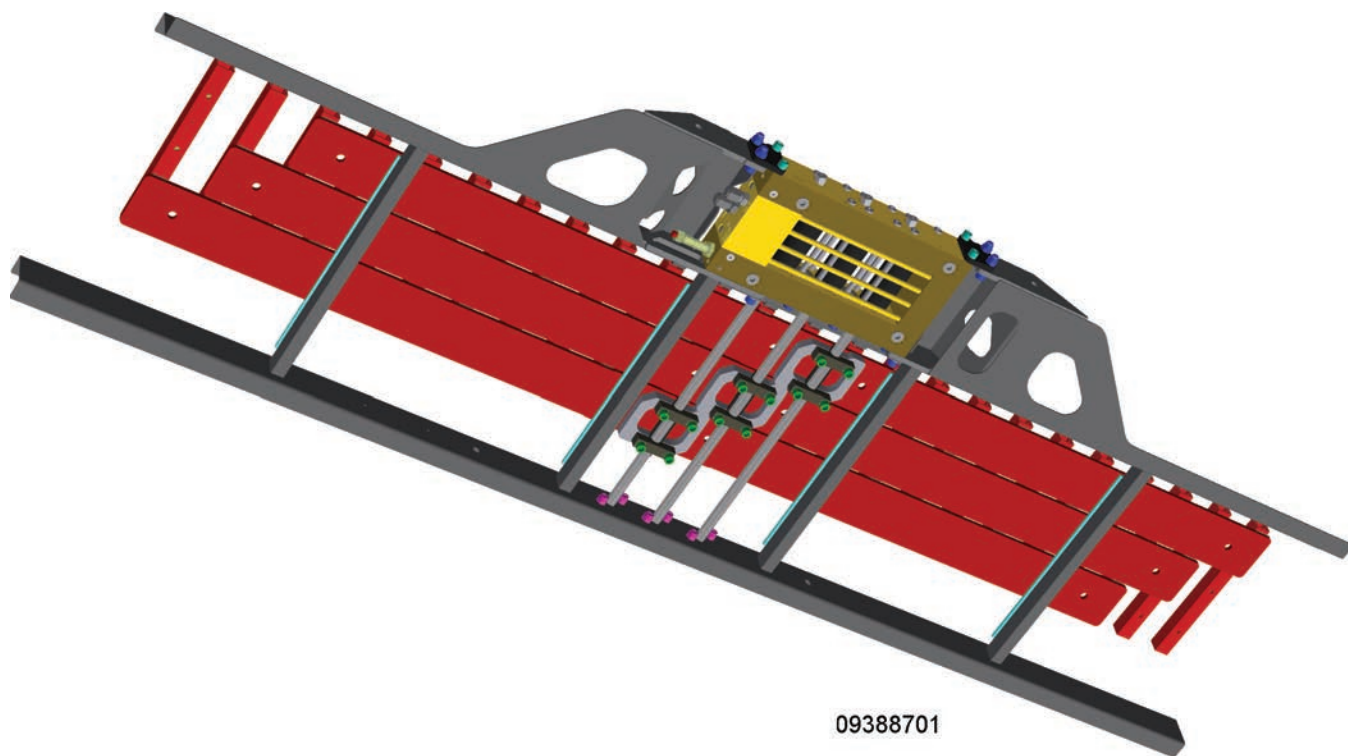
KEITH Manufacturing Co.

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PARTS CATALOG

Original Instructions

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Not all parts or services available in all regions. Some components only available assembled or in kits. Contact your regional representative for information on available parts and services.

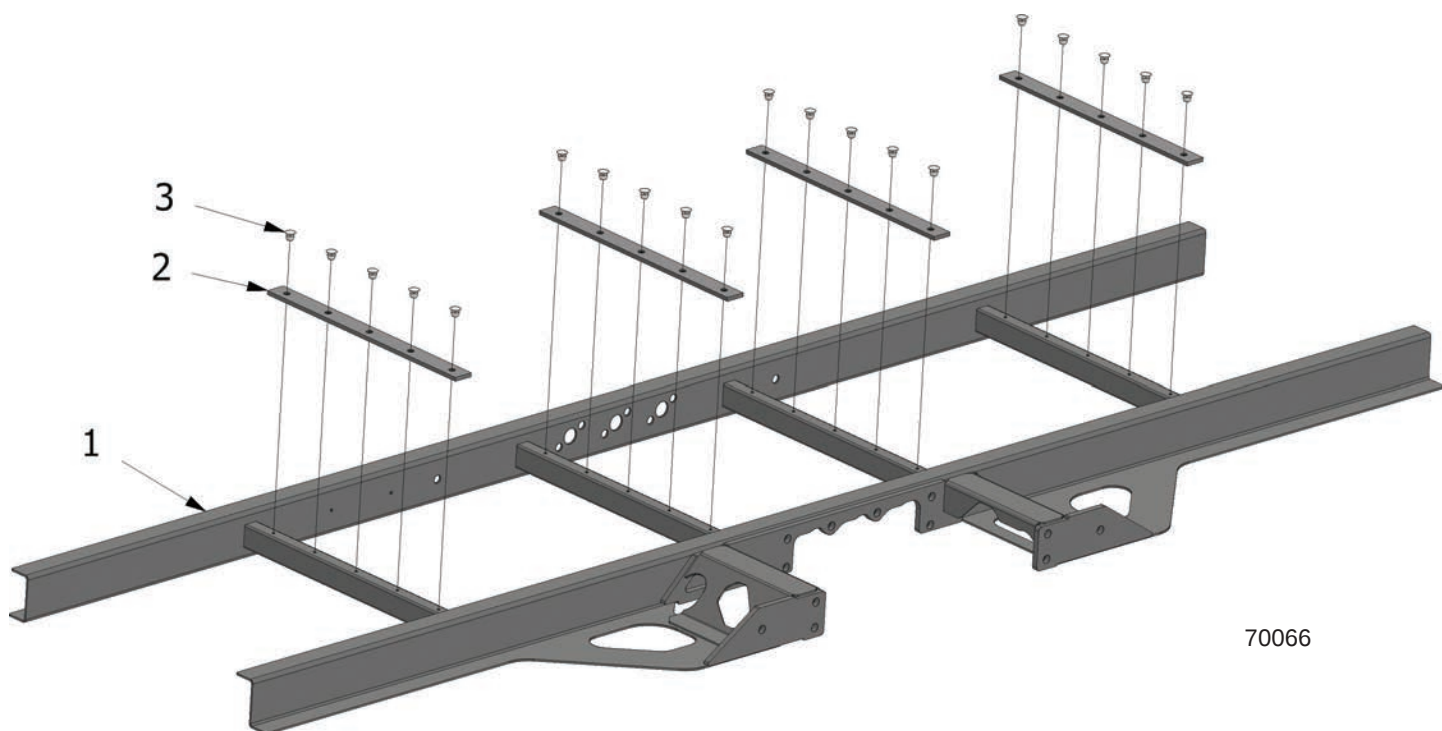
Service Information

- Use hydraulic oil or Vaseline to lubricate seals. Do NOT use grease.
- Do NOT use Teflon tape on any hydraulic components.
- When welding, ground specifically to what you are welding on, otherwise it can short across component assemblies damaging seals and gaskets.
- KEITH sells flow meters, pressure testers for troubleshooting and several tools to aid in rebuilding components and drives.

KEITH Mfg. fabricates many standard drive systems, included in this parts catalog, and also fabricates custom drive systems, too numerous to include, therefore KEITH requires the following information from your drive system to ensure we provide you with most accurate information. Please have the following information readily available before contacting KEITH for support:

- Model Number (Located on the Serial Plate of the drive unit)
- Serial Number (Located on the Serial Plate on the drive unit)
- Quantity & Length of floor slats
- Vehicle make and unit installer

Drive Frame Assembly & Cross-Drive Supports

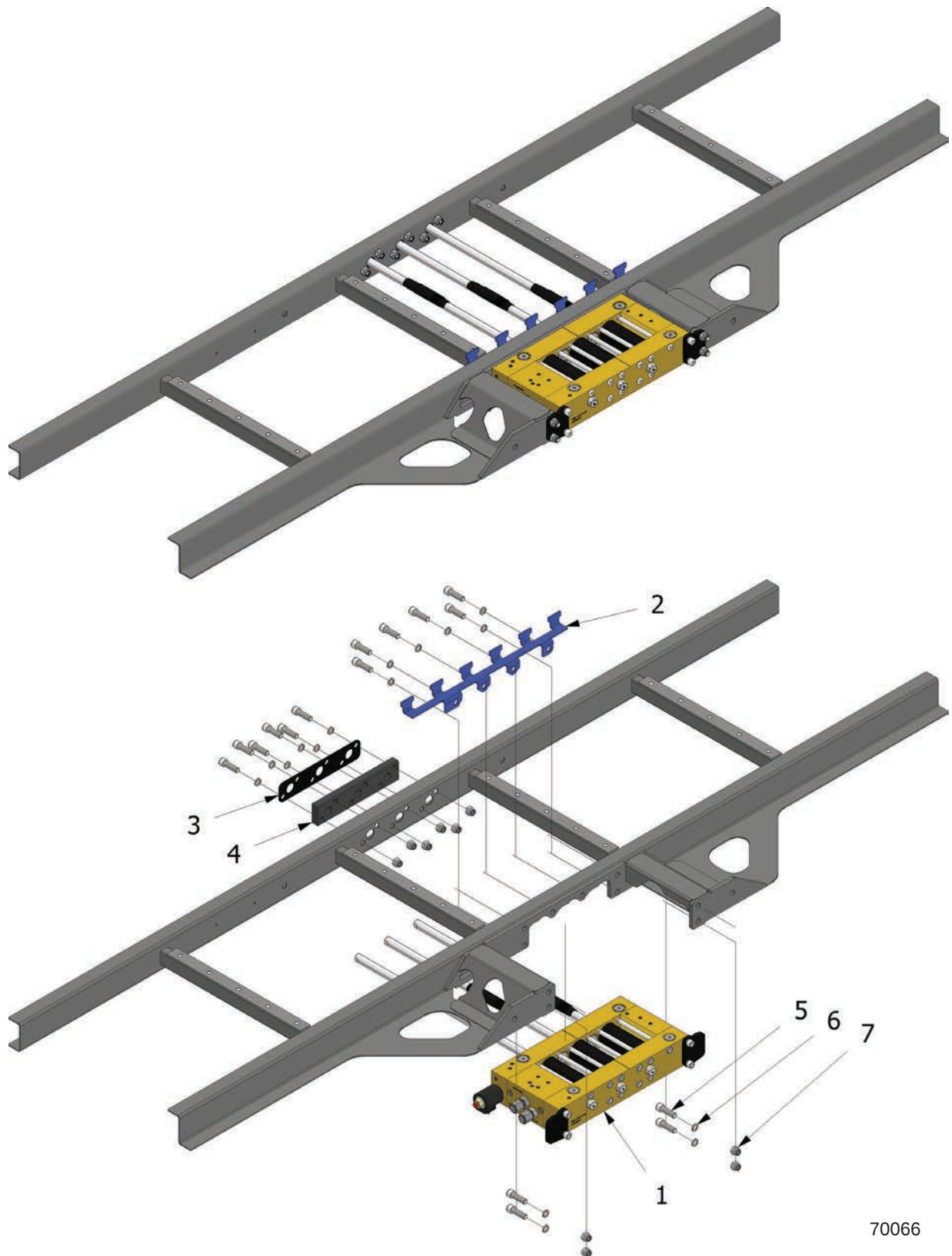


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Drive Frame Assembly & Cross-Drive Supports

ID#	Qty	Part #	Description
1	1	06349201	Drive Frame Assembly, 3.65SC NB SHOE 3" XMEM 3.0" (Includes Items 2-3)
	1	06349202	Drive Frame Assembly, 80MM XMEM 80 mm (Includes Items 2-3)
	1	10004001	Drive Frame Assembly 30 WIDE 3" XMEM (Includes Items 2-3)
	1	10172101	Drive Frame Assembly 3.65 SC 3" XMEM 102" WIDE (Includes Items 2-3)
2	4	06349901	Cross-Drive Support, 1/4" UHMW
3	20	86528100	3/16" x 1/4" Pop Rivet

Cylinder Pack & Rod Bearing Block Assembly

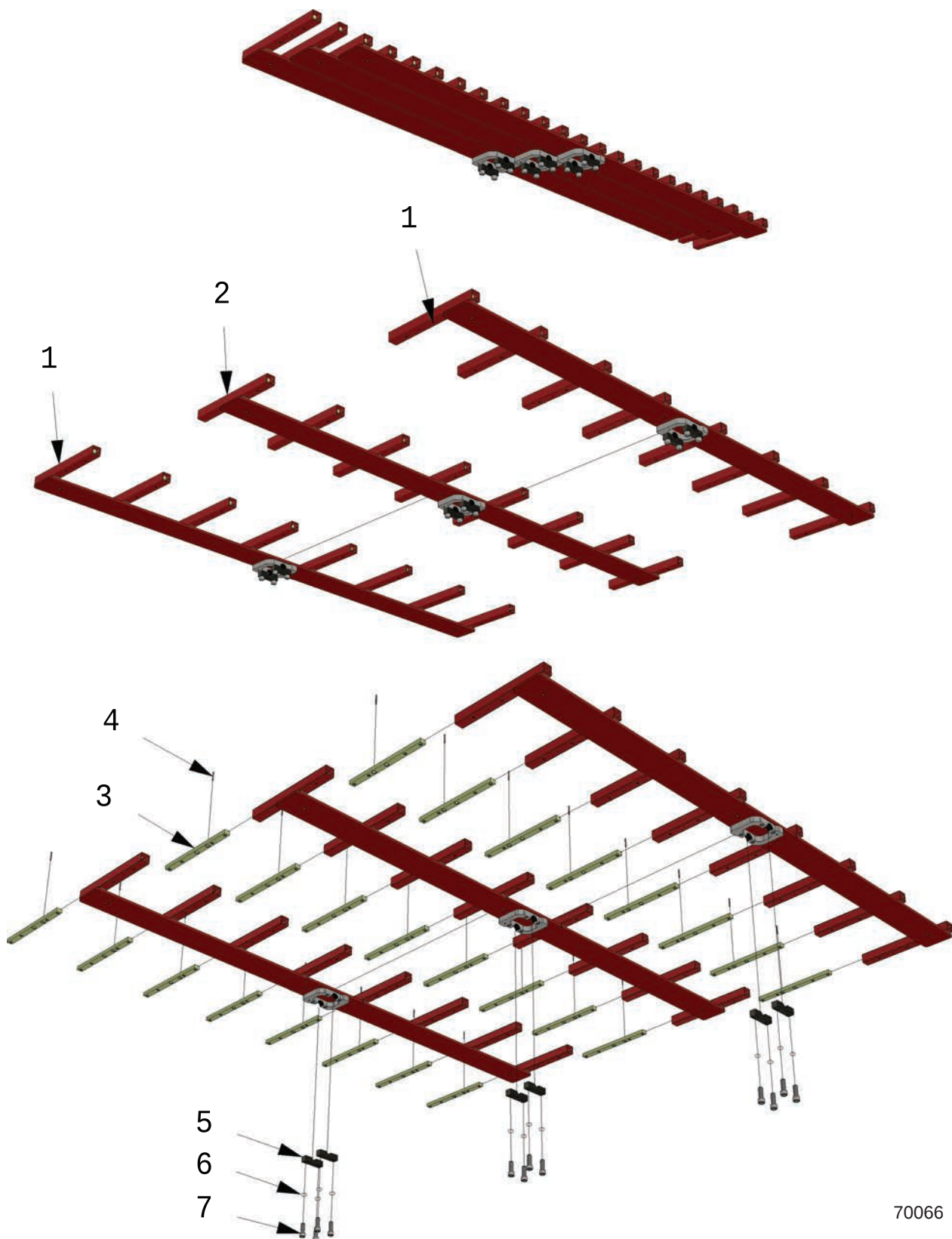


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Cylinder Pack & Rod Bearing Block Assembly

ID#	Qty	Part #	Description
1	1	-	Cylinder Pack Assembly (Manual & Electric Options) (See explosion)
		06500301	Bearing Retainer, 3.65" Slat Centers, Even Number of Slats
		06714401	Bearing Retainer, 3.65" Slat Centers, Odd Number of Slats
2	1	06714501	Bearing Retainer, 97mm Slat Centers, Even Number of Slats [Europe Only]
		06714601	Bearing Retainer, 97mm Slat Centers, Odd Number of Slats [Europe Only]
3	1	06350101	Backing Plate, Guide Block
4	1	06350001	Guide Block, UHMW
5	16	87009109	Bolt Socket Head M12x1.75 -40
6	16	87076515	Hi-Collar Lock Washer M12
7	10	87102500	Hex Nut Nylock M12x1.75

Cross-Drive Assembly

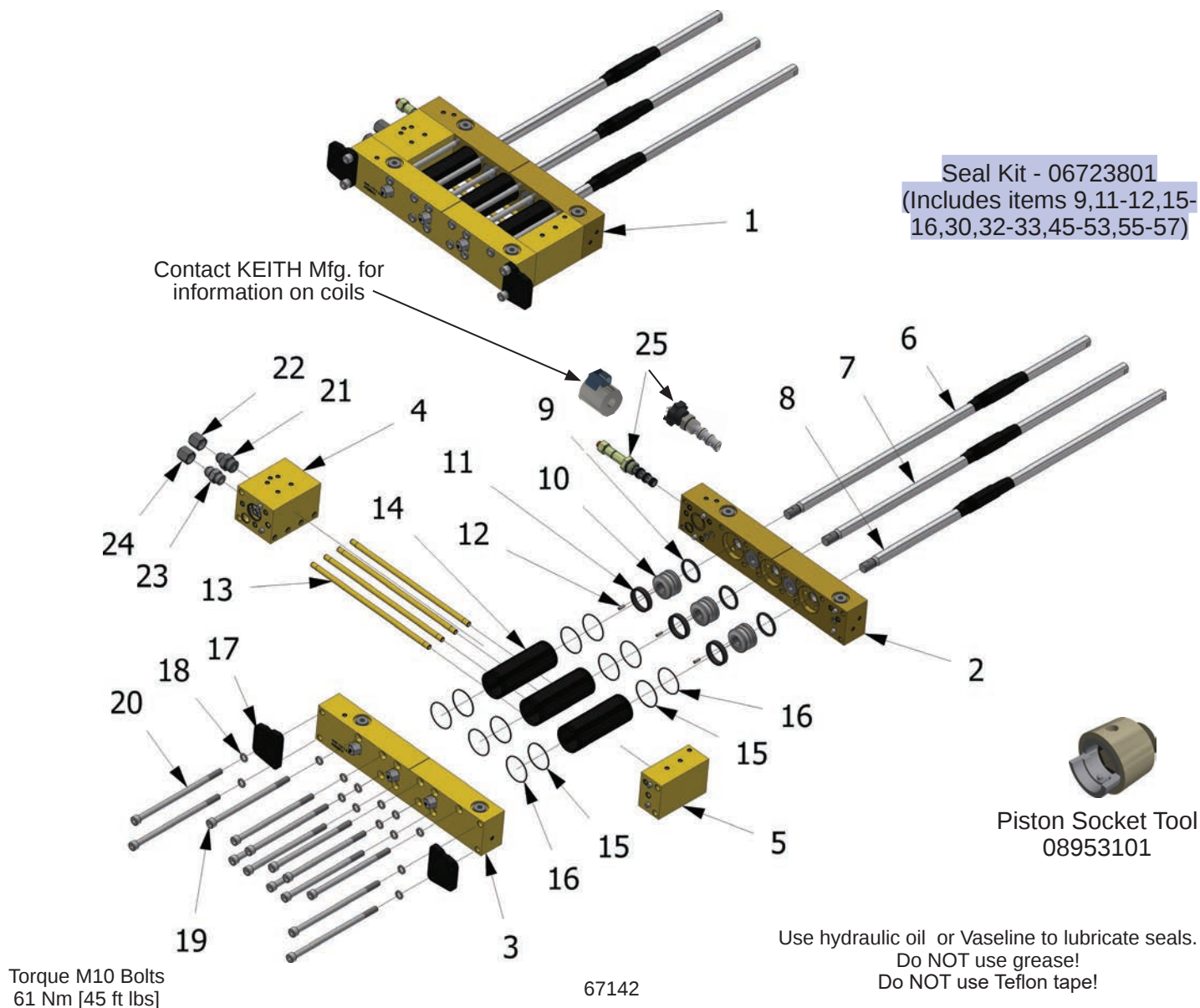


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Cross-Drive Assembly

ID#	Qty	Part #	Description
-	1	06352501	Cross-Drive Set, 24 Slat @ 3.65" Slat Centers (Includes Items 1-7)
1	2	06352502	Cross-Drive #1 & #3
2	1	06352503	Cross-Drive #2
-	1	06499601	Cross-Drive Set, 24 Slat @ 97 mm Slat Centers (Includes Items 1-7)
1	2	06499602	Cross-Drive #1 & #3
2	1	06499603	Cross-Drive #2
-	1	06499801	Cross-Drive Set, 21 Slat @ 3.65" Slat Centers (Includes Items 1-7)
1	2	06499802	Cross-Drive #1 & #3
2	1	06499803	Cross-Drive #2
-	1	06623901	Cross-Drive Set, 21 Slat @ 97 mm Slat Centers (Includes Items 1-7)
1	2	06623902	Cross-Drive #1 & #3
2	1	06623903	Cross-Drive #2
-	1	10171701	Cross-Drive Set, 27 Slat @ 3.65" Slat Centers (Includes Items 1-7)
1	2	10171702	Cross-Drive #1 & #3
2	1	10171703	Cross-Drive #2
3	Varies	06352902	Nut Bar Drive Shoe
4	Varies	86650275	1/8" x 1-1/4" Roll Pin
5	6	06353101	Lower Cross-Drive Clamp, Smooth
6	12	87076515	WASHER LOCK HIGH COLLAR 12MM
7	12	87009112	Bolt Socket Head M12-1.75 X 35MM 12.9, ZINC, SHCS - Patch

Cylinder Pack Assembly



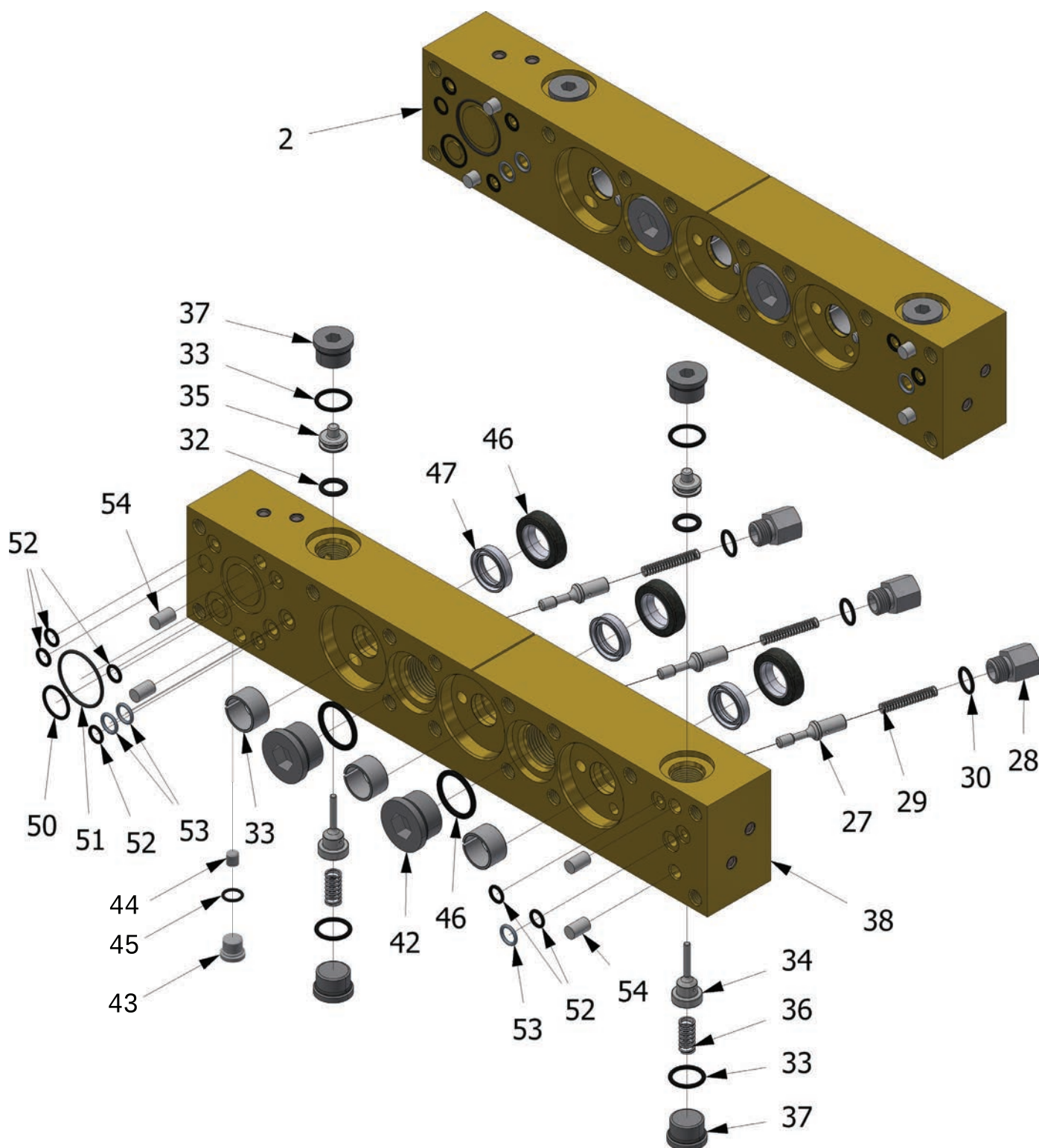
Cylinder Pack Assembly

ID#	Qty	Part #	Description
1	1		Cylinder Pack Assembly with Electric Control Valve
-	-	06714201	-08 JIC Pressure/Return Lines (Includes Items 2-25)
-	-	06714202	-08 ORFS Pressure/Return Lines (Includes Items 2-25)
-	-	06714203	-10 ORFS Pressure/-08 ORFS Return Lines (Includes Items 2-25)
1	1		Cylinder Pack Assembly with Manual Control Valve
-	-	06714301	-08 JIC Pressure/Return Lines (Includes Items 2-25)
-	-	06714302	-08 ORFS Pressure/Return Lines (Includes Items 2-25)
-	-	06714303	-10 ORFS Pressure/-08 ORFS Return Lines (Includes Items 2-25)

Cylinder Pack Assembly

ID#	Qty	Part #	Description
2	1	06350301	Front Manifold Assembly (See separate exploded view)
3	1	06350401	Rear Manifold Assembly (See separate exploded view)
4	1	06350501	Switching Valve Assembly (See separate exploded view)
5	1	06350601	Right Tie Block Assembly (See separate exploded view)
6	1	06353501	Rod Assembly, #1 Cylinder
7	1	06353502	Rod Assembly, #2 Cylinder
8	1	06353503	Rod Assembly, #3 Cylinder
9	3	84350295	Seal Piston CP-222
10	3	06351101	Piston 1.75" Dia. Single Seal
11	3	84403001	Wear Ring 1.75"x1.5"x.375"
12	3	86650400	Pin Drive Lock 3/16"x1/2"
13	4	06351501	Transfer Tube, 3/8"x.049"
14	3	06351401	Barrel, 1.75" Cylinder
15	6	84388639	Backup, O-Ring 8-032 -Buna 90
16	6	84375432	O-Ring 2-032 -Buna 90
17	2	06352401	Mount Plate, Rear Cylinder
18	14	87076510	Washer Lock M10 Hi Collar
19	10	87009102	Bolt Socket Head M10x1.5 -180
20	4	87009103	Bolt Socket Head M10x1.5 -200
-	-	Pressure Fitting (Fitting Varies with Cylinder Pack Options)	
		84684400	6400-08-10 MJIC Straight
21	1	84685684	FF6400-08-10 MORFS Straight (Not Shown)
		84685685	FF6400-10-10 MORFS Straight (Not Shown)
22	1	84703400	08 FNTX-S 5/8" CAP NUT (Shown for Reference Only)
-	-	Return Fitting (Fitting Varies with Cylinder Pack Options)	
23	1	84684300	6400-08-08 MJIC Straight
		84685683	FF6400-08-08 MORFS Straight (Not Shown)
24	1	84703400	08 FNTX-S 5/8" CAP NUT (Shown for Reference Only)
-	-	Control Valve Cartridge (Cartridge Varies with Cylinder Pack Options)	
25	1	85105200	Manual Cartridge Valve MRV4-10 (Manual Option)
		85108800	Solenoid Cartridge Valve SV10-40 (Electric Option)
-	-	85108798	Seal Kit for Cartridge Valves
-	-	Electric Control Valve Coils (Contact KEITH Mfg for information)	
-	1	85601800	Control Valve Coil 12V (Contact KEITH Mfg for information)
-	1	85602000	Control Valve Coil 24V (Contact KEITH Mfg for information)
-	1	85601805	Coil 12VDC Deutsch Weather-Pak (Contact KEITH Mfg for information)
-	1	85600250	Coil 24VDC Deutsch Weather-Pak (Contact KEITH Mfg for information)
-	1	85102790	DIN Plug Connector (Contact KEITH Mfg for information)(Not Shown)
-	1	06714701	Connector Kit Deutsch DT06-2S (For Use With Weather-Pak Coils)(Not Shown)

Front Manifold Assembly



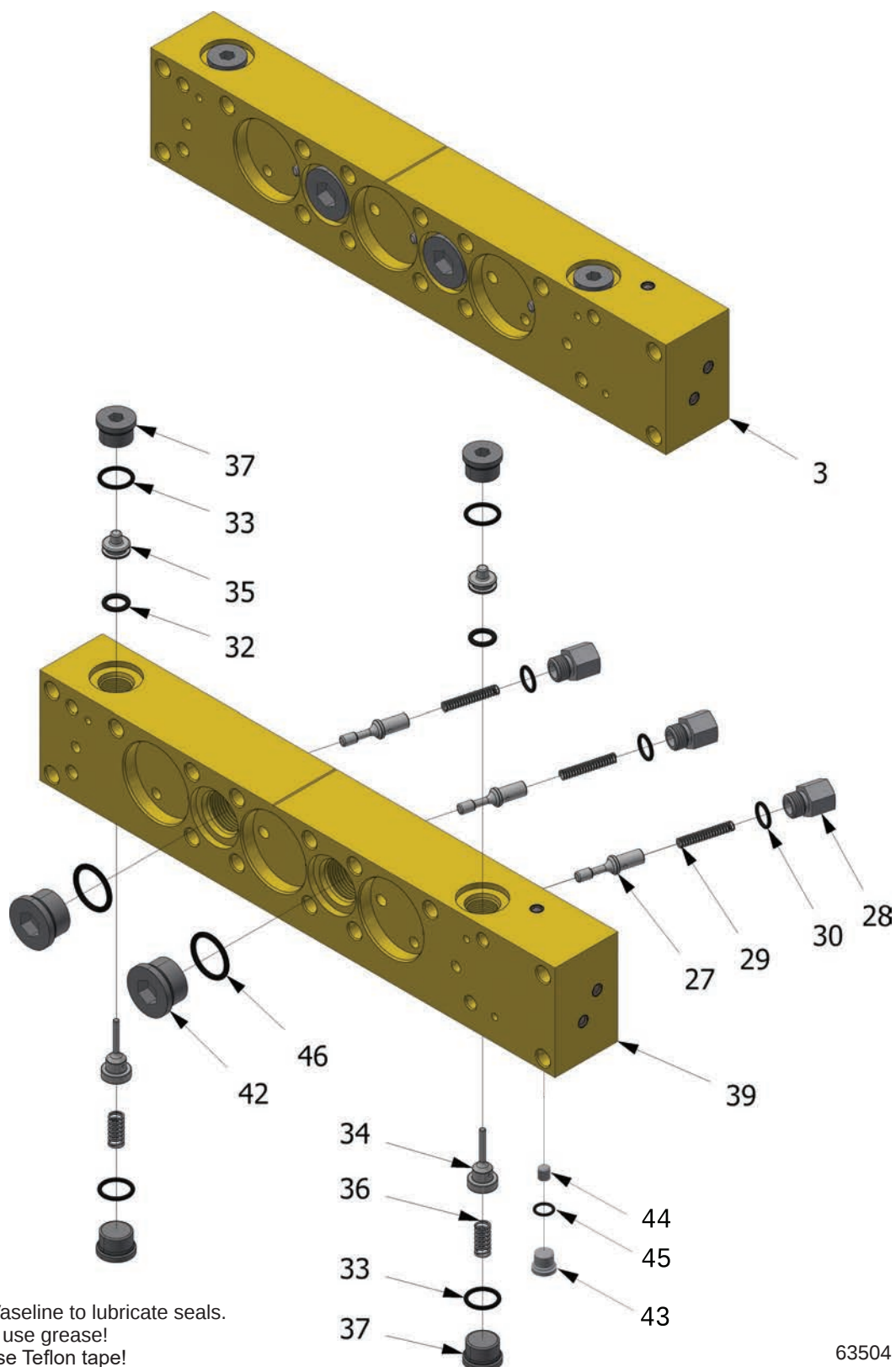
Use hydraulic oil or Vaseline to lubricate seals.
Do NOT use grease!
Do NOT use Teflon tape!

63503

Front Manifold Assembly

ID#	Qty	Part #	Description
2	1	06350301	Front Manifold Assembly (Includes Items 26-38, 42-54)
26	(3)	07338901	Check Valve Assembly (Includes items 27-30)
27	3	06351601	Check Valve Poppet
28	3	06351701	-6 EXTENDED HEX CAP
29	3	84450220	Spring B3-43
30	3	84386800	906 O-RING BUNA 90
31	(2)	07904901	Control Valve Assembly (Includes items 32-37)
32	2	84376200	111 O-RING BUNA 90
33	4	84387000	908 O-RING BUNA 90
34	2	06351801	CONTROL VALVE POPPET
35	2	06351901	CONTROL VALVE PISTON
36	2	84454705	SPRING 71142
37	4	84687500	08 HP50N-S HOLLOW HEX PLUG M O-RING
38	1	06350702	KMD 175 X 3.65 FRONT MANIFOLD
42	2	84687700	12 HP50N-S HOLLOW HEX PLUG M O-RING
43	1	84687300	6408-H-04 Hollow Hex Plug (Includes Item 20) (not used after Apr-2023)
44	1	84680770	1/16" Pipe Plug Socket 7/8" Taper (not used after Apr-2023)
45	1	84386600	O-Ring 904 Buna 90 (not used after Apr-2023)
46	2	84387400	912 O-RING BUNA 90
47	3	84352301	SEAL ROD 3/4X1X3/8 G01-42
48	3	84403002	WEAR RING .875X.750X.500
49	3	84427201	WIPER CANNED .75 X 1 X 3/8
50	1	84375302	O-RING 017 BUNA 90
51	1	84375426	O-Ring - Buna 90 - # 026
52	6	84375200	011 O-RING BUNA 90
53	3	84375210	# 012 O-RING, BUNA, 90 DURO
54	4	86651500	DOWEL PIN 5_16 X 1_2

Rear Manifold Assembly



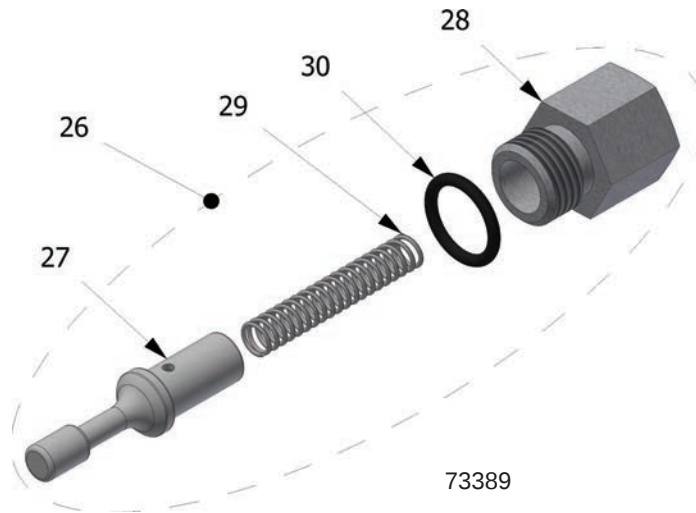
Use hydraulic oil or Vaseline to lubricate seals.
 Do NOT use grease!
 Do NOT use Teflon tape!

63504

Rear Manifold Assembly

ID#	Qty	Part #	Description
3	-	06350401	Rear Manifold Assembly (Includes Items 26-37, 39, 42-46)
26	(3)	07338901	Check Valve Assembly (Includes items 27-30)
27	3	06351601	Check Valve Poppet
28	3	06351701	-6 EXTENDED HEX CAP
29	3	84450220	Spring B3-43
30	3	84386800	906 O-RING BUNA 90
31	(2)	07904901	Control Valve Assembly (Includes items 32-37)
32	2	84376200	111 O-RING BUNA 90
33	4	84387000	908 O-RING BUNA 90
34	2	06351801	CONTROL VALVE POPPET
35	2	06351901	CONTROL VALVE PISTON
36	2	84454705	SPRING 71142
37	4	84687500	08 HP5ON-S HOLLOW HEX PLUG M O-RING
39	1	06350801	KMD 175 X 3.65 REAR MANIFOLD
42	2	84687700	12 HP5ON-S HOLLOW HEX PLUG M O-RING
43	1	84687300	6408-H-04 Hollow Hex Plug (Includes Item 20) (not used after Apr-2023)
44	1	84680770	1/16" Pipe Plug Socket 7/8" Taper (not used after Apr-2023)
45	1	84386600	O-Ring 904 Buna 90 (not used after Apr-2023)
46	2	84387400	912 O-RING BUNA 90

Check Valve Assembly

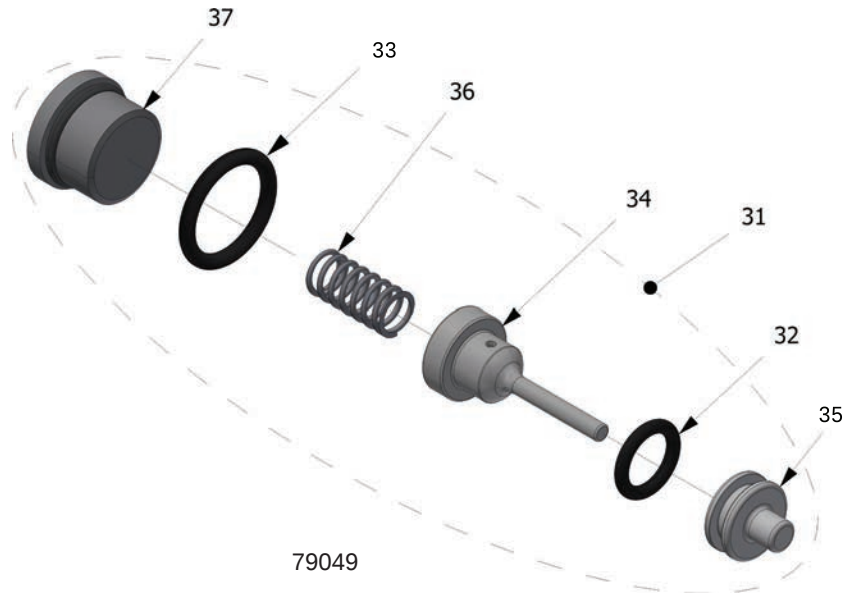


Use hydraulic oil or Vaseline to lubricate seals.
Do NOT use grease!
Do NOT use Teflon tape!

Check Valve Assembly

ID#	Qty	Part #	Description
26	-	07338901	Check Valve Assembly (Includes items 27-30)
27	3	06351601	Check Valve Poppet
28	3	06351701	-6 EXTENDED HEX CAP
29	3	84450220	Spring B3-43
30	3	84386800	906 O-RING BUNA 90

Control Valve Assembly

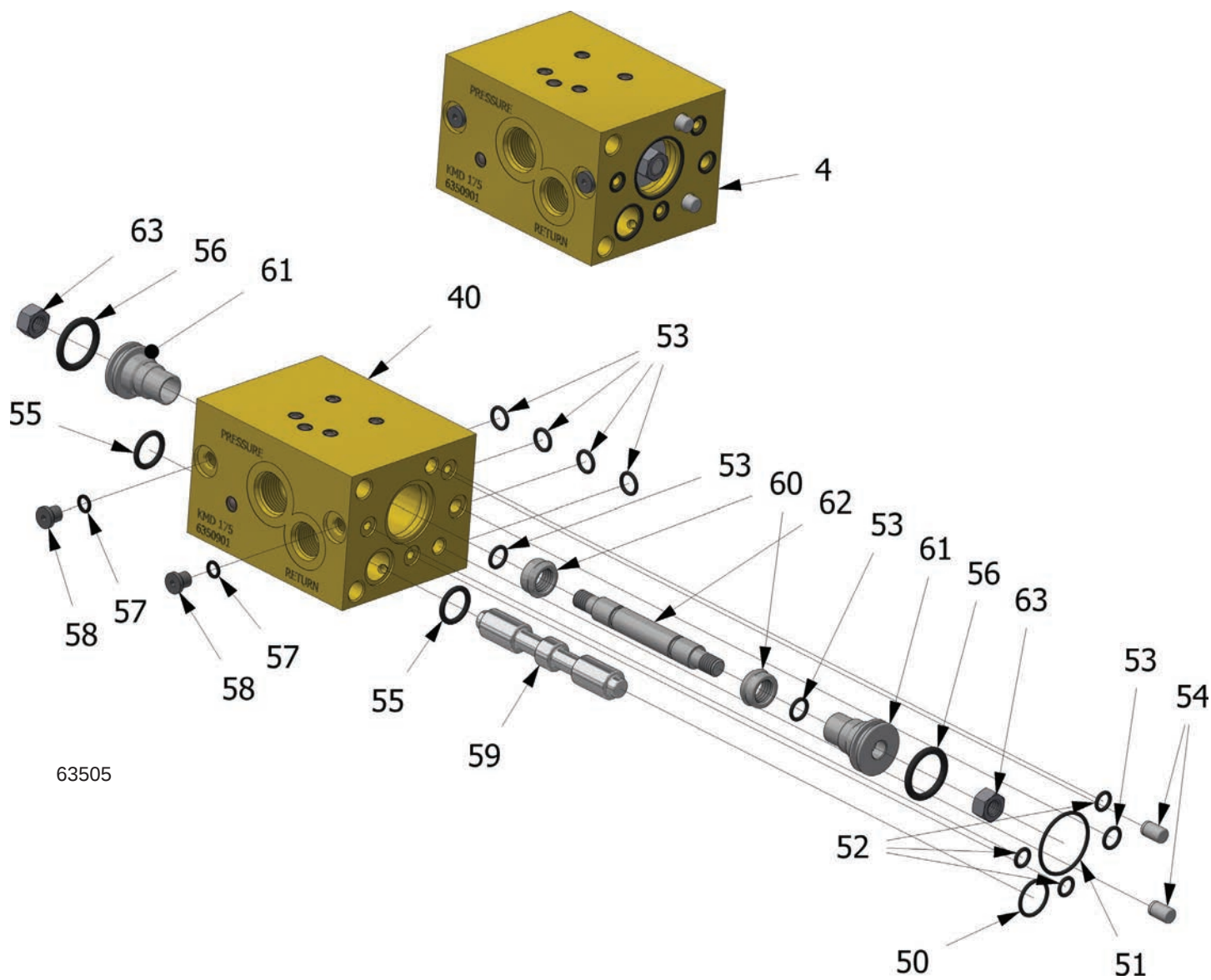


Use hydraulic oil or Vaseline to lubricate seals.
Do NOT use grease!
Do NOT use Teflon tape!

Control Valve Assembly

ID#	Qty	Part #	Description
31	-	07904901	Control Valve Assembly (Includes items 32-37)
32	2	84376200	111 O-RING BUNA 90
33	4	84387000	908 O-RING BUNA 90
34	2	06351801	CONTROL VALVE POPPET
35	2	06351901	CONTROL VALVE PISTON
36	2	84454705	SPRING 71142
37	4	84687500	08 HP50N-S HOLLOW HEX PLUG M O-RING

Switching Valve Assembly



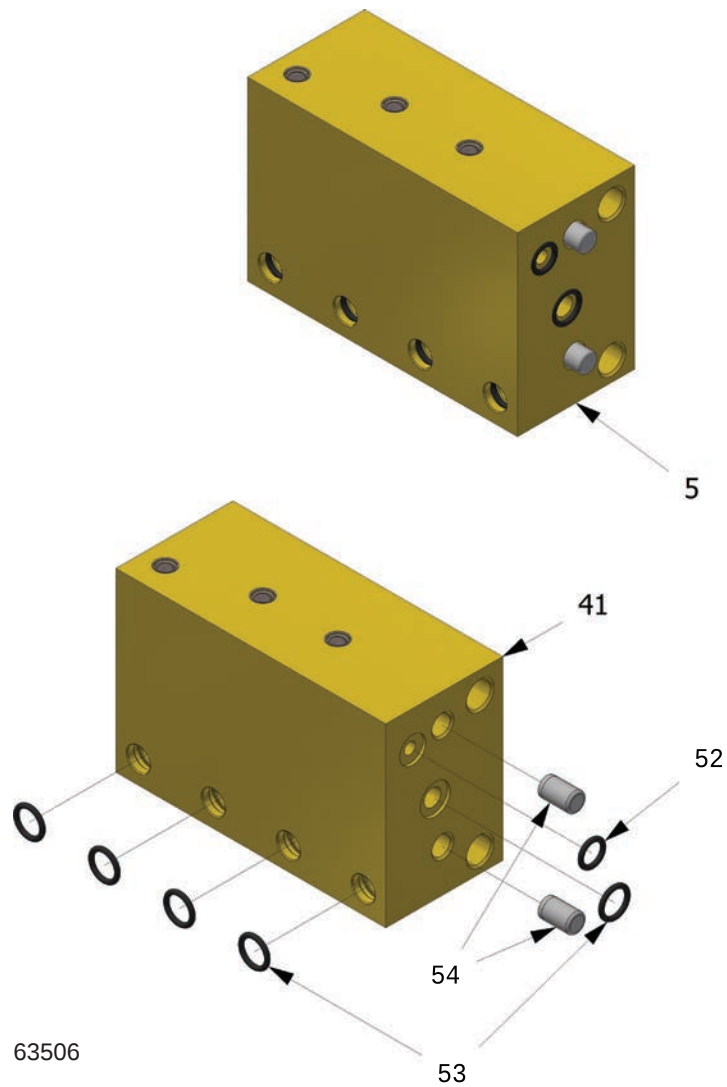
63505

Use hydraulic oil or Vaseline to lubricate seals.
 Do NOT use grease!
 Do NOT use Teflon tape!

Switching Valve Assembly

ID#	Qty	Part #	Description
4	-	06350501	Switching Valve Assembly (Includes Items 40,50-63)
40	1	06350902	KMD 175 SWITCHING VALVE BODY MACHINE DETAIL
50	1	84375302	O-Ring - Buna 90 - # 017
51	1	84375426	O-Ring - Buna 90 - # 026
52	3	84375200	O-Ring - Buna 90 - # 011
53	7	84375210	O-RING 2-012 #6 FACE SEAL NITRILE
54	2	86651500	PIN DOWEL 5/16X1/2
55	2	84376700	O-Ring - Buna 90 - # 114
56	2	84380800	O-Ring - Buna 90 - # 212
57	2	84386598	902 O-Ring Buna 90
58	2	84687200	02 HP50N-S HOLLOW HEX PLUG M O-RING HEX SOCKET
59	1	06352001	CONTROL ROD - VENT TO SHIFT
60	2	06352101	SWITCHING VALVE POPPET RING
61	2	06352201	SWITCHING VALVE POPPET PISTON
62	1	06352301	SWITCHING VALVE POPPET GUIDE ROD
63	2	86628500	Hex Nut - 3/8 - 16

Right Tie Block Assembly



Right Tie Block Assembly

ID#	Qty	Part #	Description
5	1	06350601	Right Tie Block Assembly (Includes Items 2-6)
41	1	06351001	RIGHT TIE BLOCK - VENT TO SHIFT
52	1	84375200	O-Ring - Buna 90 - # 011
53	5	84375210	O-Ring - Buna 90 - # 012
54	2	86651500	Dowel Pin - 5/16 x 1/2

(Final Page)