## SMITH PRECISION PRODUCTS COMPANY (805) 498-6616 FAX (805) 499-2867 WEBSITE: www.Smithpumps.com

EFFECTIVE: SEPTEMBER 1, 2022

## PARTS LIST FOR MODELS MC-2, MC-3, MC-4 AND MC-5 PUMPS

**QTY PER PUMP** 

* MC-102 ** SHAFT SEAL ASSEMBLY	_	PART #	PART DESCRIPTION	MC-2	МС-3	MC-4	MC-5	
* MC-104 ** SHAFT SEAL ASSEMBLY 0 0 0 1 1 0	*	MC-102	** SHAFT SEAL ASSEMBLY	1	0	0	0	
* MC-105	*	MC-103	** SHAFT SEAL ASSEMBLY	0	1	0	0	
M-1-23 MAIN HOUSING (MC-2,3) M-1-23ASSY MAIN HOUSING ASSEMBLY WITH T-9LS, TS-11 INSTALLED M-1-45 MAIN HOUSING (MC-4,5) M-1-45 MAIN HOUSING (MC-4,5) M-1-45 MAIN HOUSING (MC-4,5) M-1-45 MAIN HOUSING (MC-4,5) M-1-45ASSY MAIN HOUSING ASSEMBLY WITH T-9LS, TS-11 INSTALLED 0 0 1 1 M-2 GEAR END COVER M-2ASSY GEAR END COVER WITH TC-11 INSTALLED 0 0 1 1 0 0 M-42ASSY GEAR END COVER WITH TC-11 INSTALLED 0 0 1 1 1 M-4 SECONDARY GEAR HOUSING 0 1 1 2 3 M-42ASSY GEAR END COVER WITH TC-11 INSTALLED 0 0 1 1 1 M-4 SECONDARY GEAR HOUSING 0 1 2 3 M-3 SHAFT END COVER M-6 IDLER GEAR W/BUSHING 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*	MC-104	** SHAFT SEAL ASSEMBLY	0	0	1	0	
M-1-23ASSY MAIN HOUSING ASSEMBLY WITH T-9LS, TS-11 INSTALLED 1 1 0 0 0 M-1-45 MAIN HOUSING (MC-4,5) 0 0 1 1 1 M-1-45ASSY MAIN HOUSING (MC-4,5) 0 0 0 1 1 1 M-2 GEAR END COVER 1 1 1 0 0 0 M-2ASSY GEAR END COVER WITH TC-11 INSTALLED 0 1 0 0 0 M-2ASSY GEAR END COVER WITH TC-11 INSTALLED 0 1 1 0 0 0 M-42 GEAR END COVER 0 0 0 1 1 1 M-4 SECONDARY GEAR HOUSING 0 1 2 3 3 M-4ASSY GEAR END COVER WITH TC-11 INSTALLED 0 1 1 2 3 M-4ASSY GEONDARY GEAR HOUSING WITH TC-115, T9-L INSTALLED 0 1 2 3 M-4ASSY SECONDARY GEAR HOUSING WITH TC-115, T9-L INSTALLED 0 1 2 3 M-4ASSY SECONDARY GEAR HOUSING WITH TC-115, T9-L INSTALLED 0 1 2 3 M-4ASSY SECONDARY GEAR HOUSING WITH TC-115, T9-L INSTALLED 0 1 2 3 M-4ASSY SECONDARY GEAR HOUSING 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*	MC-105	** SHAFT SEAL ASSEMBLY	0	0	0	1	
M-1-45 MAIN HOUSING (MC-4,5) 0 0 0 1 1 1 M-1-45ASSY MAIN HOUSING ASSEMBLY WITH T-9LS, TS-11 INSTALLED 0 0 1 1 1 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0		M-1-23	MAIN HOUSING (MC-2,3)	1	1	0	0	
M-1-45ASSY MAIN HOUSING ASSEMBLY WITH T-9LS, TS-11 INSTALLED 0 0 1 1 1 M-2 GEAR END COVER 1 1 1 0 0 0 M-24SSY GEAR END COVER WITH TC-11 INSTALLED 0 1 1 0 0 M-42 GEAR END COVER WITH TC-11 INSTALLED 0 0 1 1 1 M-42ASSY GEAR END COVER WITH TC-11 INSTALLED 0 0 1 1 1 M-42 SECONDARY GEAR HOUSING 0 0 1 1 2 3 M-42ASSY GEAR END COVER WITH TC-11 INSTALLED 0 1 1 2 3 M-44 SECONDARY GEAR HOUSING 0 1 1 2 3 M-44SSY SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED 0 1 2 3 M-44 SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED 0 1 2 3 M-4 M-5 DRIVE GEAR 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		M-1-23ASSY	MAIN HOUSING ASSEMBLY WITH T-9LS, TS-11 INSTALLED	1	1	0	0	
M-2 M-2ASSY GEAR END COVER WITH TC-11 INSTALLED M-2ASSY GEAR END COVER WITH TC-11 INSTALLED M-42 GEAR END COVER WITH TC-11 INSTALLED M-42ASSY GEAR END COVER WITH TC-11 INSTALLED M-4 M-42ASSY GEAR END COVER WITH TC-11 INSTALLED M-4 SECONDARY GEAR HOUSING M-4ASSY SECONDARY GEAR HOUSING 0 1 2 3 M-4ASSY SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED M-3 SHAFT END COVER 1 1 1 1 1  * MS-5 DRIVE GEAR M-6 IDLER GEAR W/BUSHING M-6 IDLER GEAR W/BUSHING M-7 IDLER GEAR SHAFT		M-1-45	MAIN HOUSING (MC-4,5)	0	0	1	1	
M-2ASSY         GEAR END COVER WITH TC-11 INSTALLED         0         1         0         0           M-42         GEAR END COVER         0         0         1         1           M-42ASSY         GEAR END COVER WITH TC-11 INSTALLED         0         0         1         1           M-4         SECONDARY GEAR HOUSING         0         1         2         3           M-4ASSY         SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED         0         1         2         3           M-3         SHAFT FEND COVER         1		M-1-45ASSY	MAIN HOUSING ASSEMBLY WITH T-9LS, TS-11 INSTALLED	0	0	1	1	
M-42 GEAR END COVER WITH TC-11 INSTALLED 0 0 1 1 1 M-42ASSY GEAR END COVER WITH TC-11 INSTALLED 0 0 0 1 1 1 M-44 SECONDARY GEAR HOUSING 0 1 2 3 M-4ASSY SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED 0 1 2 3 M-43 SHAFT END COVER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		M-2	GEAR END COVER	1	1	0	0	
M-42ASSY         GEAR END COVER WITH TC-11 INSTALLED         0         0         1         1           M-4         SECONDARY GEAR HOUSING         0         1         2         3           M-4ASSY         SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED         0         1         2         3           M-3         SHAFT END COVER         1		M-2ASSY	GEAR END COVER WITH TC-11 INSTALLED	0	1	0	0	
M-4         SECONDARY GEAR HOUSING         0         1         2         3           M-4ASSY         SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED         0         1         2         3           M-3         SHAFT END COVER         1		M-42		0				
M-4ASSY       SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED       0       1       2       3         M-3       SHAFT END COVER       1 <td></td> <td>M-42ASSY</td> <td>GEAR END COVER WITH TC-11 INSTALLED</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td>		M-42ASSY	GEAR END COVER WITH TC-11 INSTALLED	0	0			
M-3 SHAFT END COVER 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		M-4	SECONDARY GEAR HOUSING	0	1			
* MG-5 DRIVE GEAR * M-6 IDLER GEAR W/BUSHING 2 4 6 8 * T-9L IDLER GEAR SHAFT 2 4 6 8 * T-9L SHAFT BUSHING FOR HOUSING 2 2 2 2 2 * TC-11 SHAFT BUSHING FOR COVER 0 1 1 1 * TC-11S SHAFT BUSHING FOR SECONDARY GEAR HOUSING 1 2 3 T-10 BUSHING FOR IDLER GEAR (3 PER GEAR REQ'D) 6 12 18 24  MS-15 BEARING RETAINER PLATE WITH GREASE SEAL 1 1 1 1 1 * 410120 GREASE SEAL 1 1 1 1 1 * 410120 GREASE SEAL 1 1 1 1 1 * 410120 GREASE SEAL 2 AP SCREW 3/8-16Tx1-1/2L CAP SCREW 8 8 8 8 3/8-16Tx2L 3/8-16Tx2L CAP SCREW 10 0 0 0 * GREASE SEAL 3/8-16Tx2L CAP SCREW 10 0 0 0 * O 0 *		M-4ASSY	SECONDARY GEAR HOUSING WITH TC-11S, T9-L INSTALLED	-	1			
* M-6 IDLER GEAR W/BUSHING 2 4 6 8 * T-9L IDLER GEAR SHAFT 2 4 6 8 * TS-11 SHAFT BUSHING FOR HOUSING 2 2 2 2 2 * TC-11 SHAFT BUSHING FOR COVER 0 1 1 1 * TC-11S SHAFT BUSHING FOR SECONDARY GEAR HOUSING 0 1 2 3 T-10 BUSHING FOR IDLER GEAR (3 PER GEAR REQ'D) 6 12 18 24 MS-15 BEARING RETAINER PLATE WITH GREASE SEAL 1 1 1 1 1 * 410120 GREASE SEAL 1 1 1 1 1 1 * 410120 GREASE SEAL 1 1 1 1 1 1 * 4/4-20Tx5/8L CAP SCREW 8 8 8 8 8 3/8-16Tx1-1/2L CAP SCREW 12 12 12 12 3/8-16Tx2L CAP SCREW 12 12 12 12 3/8-16Tx5L CAP SCREW 0 16 0 0 7/16-14Tx8-1/4L CAP SCREW 0 16 0 0 7/16-14Tx8-1/4L CAP SCREW 0 0 16 0 7/16-14Tx11-1/4L CAP SCREW 0 0 16 T/16-14Tx11-1/4L CAP SCREW 1 1 1 1 1 1 * 6227-19 ** O-RING FOR TS-11 MC-33 SQUARE KEY, 1/4x1/4x1-1/2L 1 1 1 1 1 L-3 RED LABEL PLATE - INSTRUCTION 1 1 1 1 1 L-6 RED LABEL PLATE - INSTRUCTION 1 1 1 1 1 (FOR LPG & NH3 ONLY)		M-3	SHAFT END COVER					
* T-9L IDLER GEAR SHAFT  * TS-11 SHAFT BUSHING FOR HOUSING  * TC-11 SHAFT BUSHING FOR COVER  * TC-11 SHAFT BUSHING FOR SECONDARY GEAR HOUSING  * TC-11S SHAFT BUSHING FOR SECONDARY GEAR HOUSING  * TC-11S SHAFT BUSHING FOR SECONDARY GEAR HOUSING  * T-10 BUSHING FOR IDLER GEAR (3 PER GEAR REQ'D)  * MS-15 BEARING RETAINER PLATE WITH GREASE SEAL  * MS-15 BEARING RETAINER PLATE WITH GREASE SEAL  * 410120 GREASE SEAL  * 1 1 1 1  * 410120 GREASE SEAL  * 1 1 1 1  * 420TX5/8L CAP SCREW  * 3/8-16TX1-1/2L CAP SCREW  * 3/8-16TX1-1/2L CAP SCREW  * 12 12 12  * 3/8-16TX2L  * CAP SCREW  * 16 0 0 0  * 3/8-16TX5L  * CAP SCREW  * 16 0 0 0  * 7/16-14TX8-1/4L CAP SCREW  * 0 16 0  * 7/16-14TX1-1/4L CAP SCREW  * 0 0 16  * 7/16-14TX1-1/4L CAP SCREW  * 0 0 0 16  * 1 1 1 1  * 6227-19 ** O-RING FOR TS-11  * 6227-19 ** O-RING FOR TS-11  * MC-33 SQUARE KEY, 1/4x1/4x1-1/2L  * L-1 GREEN LABEL PLATE - INSTRUCTION  * LABEL PLATE - SERIAL NO.  * LABEL PLATE - INSTRUCTION  * LABEL PLATE - INSTR	*	MS-5	DRIVE GEAR					
* TS-11 SHAFT BUSHING FOR HOUSING 2 2 2 2 2 2 2 2 2 * TC-11 SHAFT BUSHING FOR COVER 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			IDLER GEAR W/BUSHING					
* TC-11 SHAFT BUSHING FOR COVER 0 1 1 1 1 1	*	T-9L	IDLER GEAR SHAFT					
* TC-11S SHAFT BUSHING FOR SECONDARY GEAR HOUSING T-10 BUSHING FOR IDLER GEAR (3 PER GEAR REQ'D) 6 12 18 24 MS-15 BEARING RETAINER PLATE WITH GREASE SEAL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*	TS-11	SHAFT BUSHING FOR HOUSING	2	2		2	
T-10 BUSHING FOR IDLER GEAR (3 PER GEAR REQ'D) 6 12 18 24  MS-15 BEARING RETAINER PLATE WITH GREASE SEAL 1 1 1 1 1  * 410120 GREASE SEAL 1 1 1 1 1 1  1/4-20Tx5/8L CAP SCREW 8 8 8 8 8  3/8-16Tx1-1/2L CAP SCREW 12 12 12 12 12  3/8-16Tx2L CAP SCREW 16 0 0 0  3/8-16Tx5L CAP SCREW 0 16 0 0  7/16-14Tx8-1/4L CAP SCREW 0 0 16 0  7/16-14Tx11-1/4L CAP SCREW 0 0 16 0  7/16-14Tx11-1/4L CAP SCREW 0 0 0 16  14 PLUG SQ HD 1/4" PIPE PLUG 2 2 2 2 2  104 CUP BLEEDER CUP 1 1 1 1 1  * 6227-19 ** O-RING FOR TS-11 1 1 1 1  MC-33 SQUARE KEY, 1/4x1/4x1-1/2L 1 1 1 1  L-3 RED LABEL PLATE - INSTRUCTION 1 1 1 1 1  L-6 RED LABEL PLATE - SERIAL NO. 1 1 1 1 1  (FOR LPG & NH3 ONLY)	*	TC-11	SHAFT BUSHING FOR COVER	•	1			
MS-15       BEARING RETAINER PLATE WITH GREASE SEAL       1	*	TC-11S						
* 410120 GREASE SEAL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			BUSHING FOR IDLER GEAR (3 PER GEAR REQ'D)	_			24	
1/4-20Tx5/8L       CAP SCREW       8       8       8       8         3/8-16Tx1-1/2L       CAP SCREW       12       12       12       12         3/8-16Tx2L       CAP SCREW       16       0       0       0         3/8-16Tx5L       CAP SCREW       0       16       0       0         7/16-14Tx8-1/4L       CAP SCREW       0       0       16       0         7/16-14Tx11-1/4L       CAP SCREW       0       0       0       16         14 PLUG SQ HD       1/4" PIPE PLUG       2       1       1       1       1       1       1       1 <t< td=""><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td></t<>				_				
3/8-16Tx1-1/2L CAP SCREW 3/8-16Tx2L CAP SCREW 16 0 0 0 3/8-16Tx5L CAP SCREW 0 16 0 0 7/16-14Tx8-1/4L CAP SCREW 0 0 16 0 7/16-14Tx11-1/4L CAP SCREW 0 0 0 16 0 7/16-14Tx11-1/4L CAP SCREW 0 0 0 16 14 PLUG SQ HD 1/4" PIPE PLUG 2 2 2 2 104 CUP BLEEDER CUP 1 1 1 1 * 6227-19 ** O-RING FOR TS-11 MC-33 SQUARE KEY, 1/4x1/4x1-1/2L L-1 GREEN LABEL PLATE - INSTRUCTION 1 1 1 1 L-3 RED LABEL PLATE - SERIAL NO. L-6 RED LABEL PLATE - INSTRUCTION 1 1 1 1 (FOR LPG & NH3 ONLY)	*			_				
3/8-16Tx2L CAP SCREW 3/8-16Tx5L CAP SCREW 0 16 0 0 7/16-14Tx8-1/4L CAP SCREW 0 0 0 16 0 7/16-14Tx11-1/4L CAP SCREW 0 0 0 16 0 7/16-14Tx11-1/4L CAP SCREW 0 0 0 16 0 16 14 PLUG SQ HD 1/4" PIPE PLUG 14 CUP BLEEDER CUP 1				_		_		
3/8-16Tx5L       CAP SCREW       0       16       0       0         7/16-14Tx8-1/4L       CAP SCREW       0       0       16       0         7/16-14Tx11-1/4L       CAP SCREW       0       0       0       16         14 PLUG SQ HD       1/4" PIPE PLUG       2       2       2       2       2         104 CUP       BLEEDER CUP       1       1       1       1       1         * 6227-19       ** O-RING FOR TS-11       1       1       1       1       1         MC-33       SQUARE KEY, 1/4x1/4x1-1/2L       1       1       1       1       1         L-1 GREEN       LABEL PLATE - INSTRUCTION       1       1       1       1       1         L-3 RED       LABEL PLATE - SERIAL NO.       1       1       1       1       1       1         L-6 RED       LABEL PLATE - INSTRUCTION       1								
7/16-14Tx8-1/4L       CAP SCREW       0       0       16       0         7/16-14Tx11-1/4L       CAP SCREW       0       0       0       16         14 PLUG SQ HD       1/4" PIPE PLUG       2       2       2       2       2         104 CUP       BLEEDER CUP       1       1       1       1       1         * 6227-19       ** O-RING FOR TS-11       1       1       1       1       1         MC-33       SQUARE KEY, 1/4x1/4x1-1/2L       1       1       1       1       1         L-1 GREEN       LABEL PLATE - INSTRUCTION       1       1       1       1       1         L-3 RED       LABEL PLATE - SERIAL NO.       1       1       1       1       1       1         L-6 RED       LABEL PLATE - INSTRUCTION       1       <					-	_		
7/16-14Tx11-1/4L CAP SCREW 7/16-14Tx11-1/4L CAP SCREW 0 0 0 16 14 PLUG SQ HD 1/4" PIPE PLUG 2 2 2 2 104 CUP BLEEDER CUP 1 1 1 1 * 6227-19 ** O-RING FOR TS-11 MC-33 SQUARE KEY, 1/4x1/4x1-1/2L 1 1 1 1 L-1 GREEN LABEL PLATE - INSTRUCTION 1 1 1 1 L-3 RED LABEL PLATE - SERIAL NO. 1 1 1 1 CFOR LPG & NH3 ONLY)				0		_	0	
14 PLUG SQ HD       1/4" PIPE PLUG       2       2       2       2         104 CUP       BLEEDER CUP       1       1       1       1         * 6227-19       ** O-RING FOR TS-11       1       1       1       1       1         MC-33       SQUARE KEY, 1/4x1/4x1-1/2L       1       1       1       1       1         L-1 GREEN       LABEL PLATE - INSTRUCTION       1       1       1       1       1         L-3 RED       LABEL PLATE - SERIAL NO.       1       1       1       1       1       1         L-6 RED       LABEL PLATE - INSTRUCTION       1       <				-				
104 CUP       BLEEDER CUP       1       1       1       1         * 6227-19       ** O-RING FOR TS-11       1       1       1       1       1         MC-33       SQUARE KEY, 1/4x1/4x1-1/2L       1       1       1       1       1       1         L-1 GREEN       LABEL PLATE - INSTRUCTION       1<								
* 6227-19								
MC-33       SQUARE KEY, 1/4x1/4x1-1/2L       1       1       1       1         L-1 GREEN       LABEL PLATE - INSTRUCTION       1       1       1       1         L-3 RED       LABEL PLATE - SERIAL NO.       1       1       1       1       1         L-6 RED       LABEL PLATE - INSTRUCTION       1       1       1       1       1       1         (FOR LPG & NH3 ONLY)								
L-1 GREEN       LABEL PLATE - INSTRUCTION       1       1       1       1         L-3 RED       LABEL PLATE - SERIAL NO.       1       1       1       1       1         L-6 RED       LABEL PLATE - INSTRUCTION       1 <td< td=""><td>*</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	*							
L-3 RED LABEL PLATE - SERIAL NO. 1 1 1 1 1 L-6 RED LABEL PLATE - INSTRUCTION 1 1 1 1 1 (FOR LPG & NH3 ONLY)								
L-6 RED LABEL PLATE - INSTRUCTION 1 1 1 1 1 (FOR LPG & NH3 ONLY)				_	1	_	1	
(FOR LPG & NH3 ONLY)								
		L-6 RED		1	1	1	1	

<sup>\*</sup> RECOMMENDED SPARE PARTS

NOTE: When ordering parts, the model number and serial number of pump

**in which the parts will be used <u>MUST</u> be given.** (See metal name plate on pump for this information.)

<sup>\*\*</sup> LIQUID MUST BE SPECIFIED WHEN ORDERING