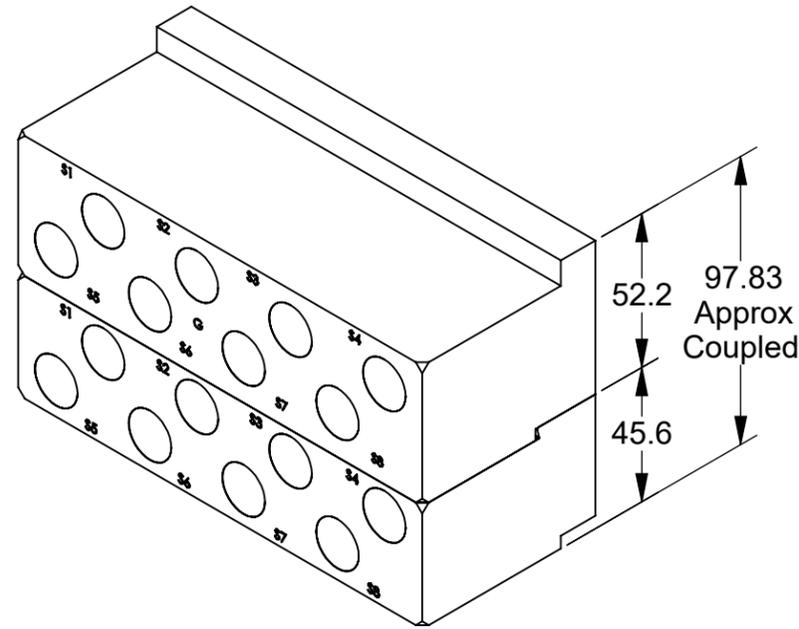
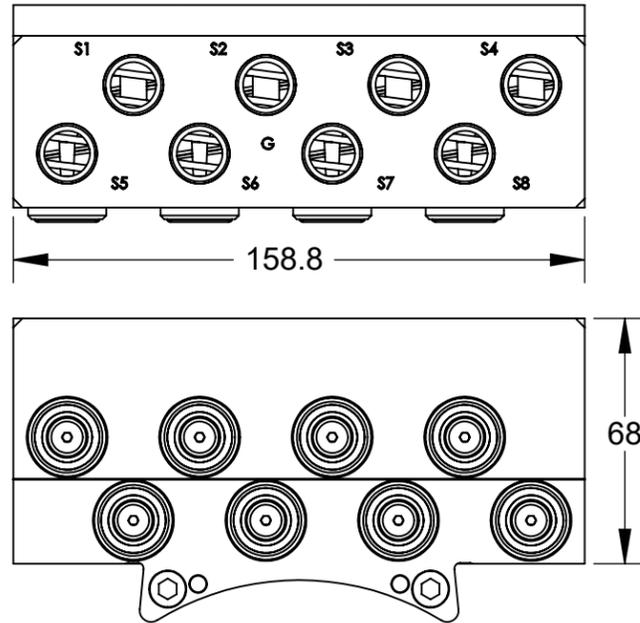
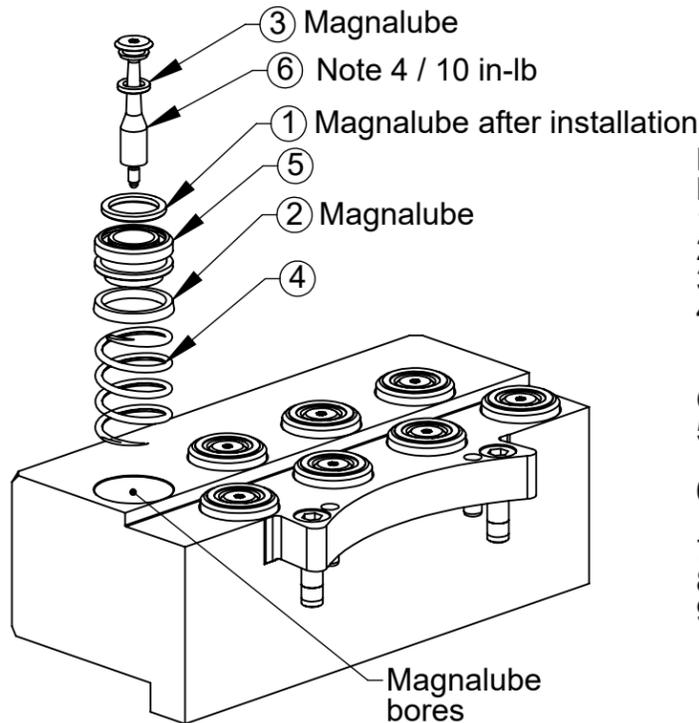
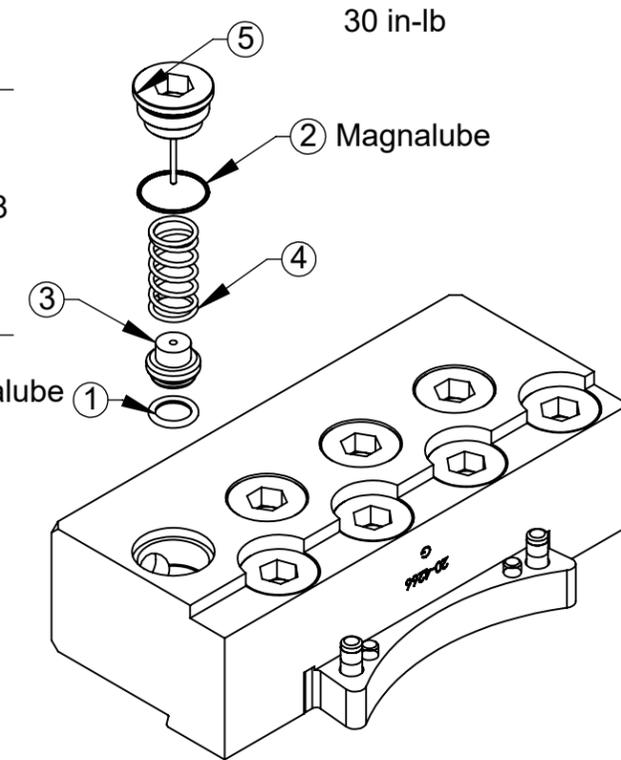
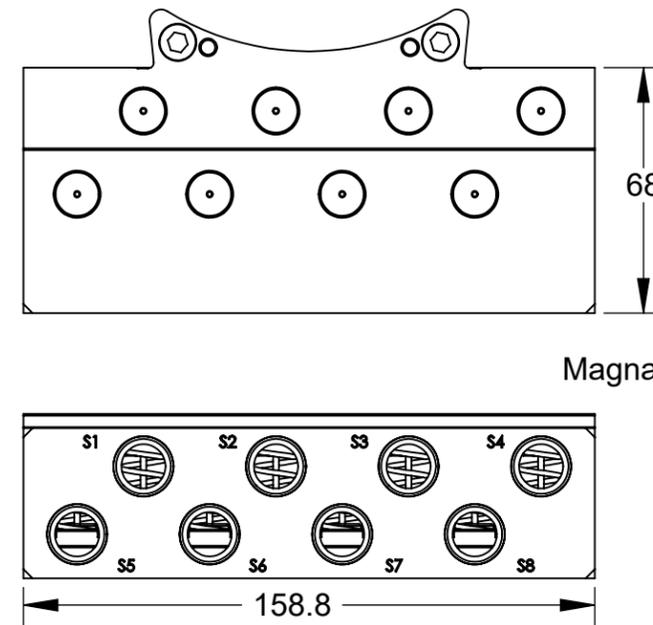


Rev.	Description	Initiator	Date
07	ECO 14747; Added torque and Magnalube information and added Note 3	SZJ	9/19/2016
08	ECO 19639; Updated model views	EPR	2/16/2021

FC2 Master Module (9121-FC2-M)



**FC2 Tool Module (9121-FC2-T)
FC3 Tool Module (9121-FC3-T)
FC4 Tool Module (9121-FC4-T) Shown**



Notes:

Materials of Construction:

- Housings - Stainless Steel
- Valve Components - Stainless Steel, Nitrile & PVC
- Quantities shown in bill of materials are for FC2 master and FC4 tool.
- Replacement stem contains pre-applied thread locker. Use Loctite 7649 primer and Loctite 222 if reassembling with original stem.

Operations:

- For best results ensure fluids are near neutral pH, minimize fluid particulate size and keep fluid module mating surfaces free and clear of any debris.
- Checked ports can produce significant forces when under high supply pressures. These forces have to be overcome to achieve tool changer coupling.
- Checked ports do not support vacuum conditions.
- FC2-M master module has (8) 3/8 G checked ports.
- FC2-T tool module has (4) checked and (4) pass thru 3/8 G ports. FC3-T has (8) pass thru 3/8 G ports. FC4-T has (8) checked 3/8 G ports.

FC2-M Serviceable Parts

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	8	3410-0001065-01	O-Ring 14MM X 2MM Buna
2	8	3410-0001068-01	Mini U-Cup Seal 18mm ID x 22mm Buna
3	8	3410-0001183-01	O-Ring 6MM X 2MM Buna D90
4	8	3700-20-1459	SPRING, FLUID/AIR MODULE, MASTER
5	8	3700-20-2994	Master Check Valve Piston
6	8	3700-20-2996	VALVE STEM, HIGH STRENGTH

Note: Service Kit 9120-F2-M-Kit consists of (1) each of items 1, 2, 3 & 4
Note: Service Kit 9120-F5-M-Kit consists of (1) each of items 1 thru 6

FC2-T / FC3-T / FC4-T Serviceable Parts

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	8	3410-0001067-01	O-ring, 10mm x 2mm, Buna N, Dur. 90
2	8	3410-0001284-01	O-ring, .669OD x .047 wall, 70D, Buna-N
3	8	3700-20-1457	Tool Fluid/Air Check Valve Piston
4	8	3700-20-1460	SPRING, FLUID/AIR MODULE, TOOL
5	8	9005-20-1515	3/8" Check Port Long Plug with Dowel

Note: Service Kit 9120-F1-T-Kit consists of (1) each of items 1, 2, & 4
Note: Service Kit 9120-F5-T-Kit consists of (1) each of items 1 thru 5

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION



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DRAWN BY: J.Snape 1/14/05		TITLE	
CHECKED BY: P. Sparron 1/17/05		FC2-M, FC2-T / FC3-T / FC4-T Module Drawing	
PROJECT #	040331-1	SHEET	1 OF 1
SCALE	1:2	SIZE	B
DRAWING NUMBER	9630-20-FC2	REVISION	08