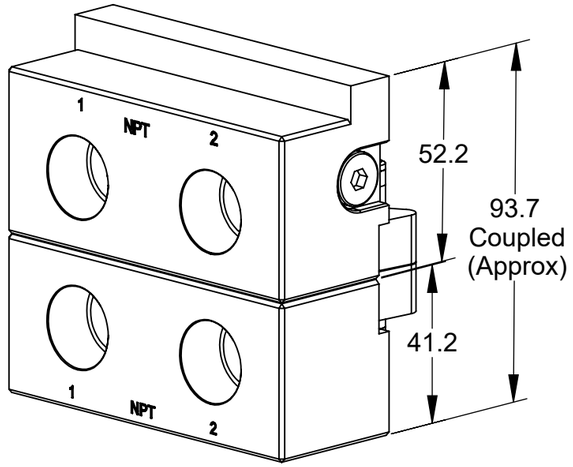
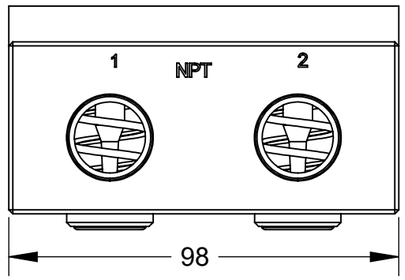
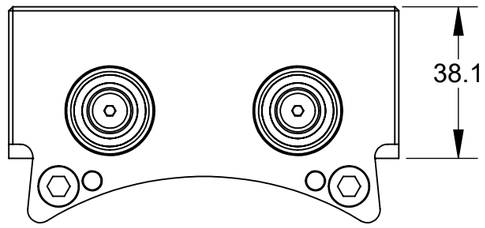
Rev.	Description	Initiator	Date
11	ECO 22132; Valve 3700-20-8065 was 3700-20-2996	LJH	5/8/2025

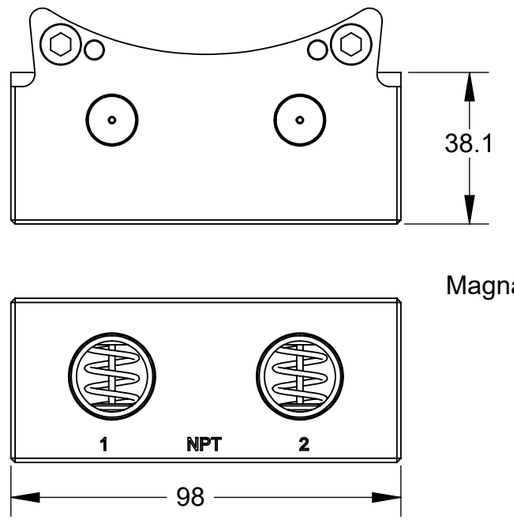


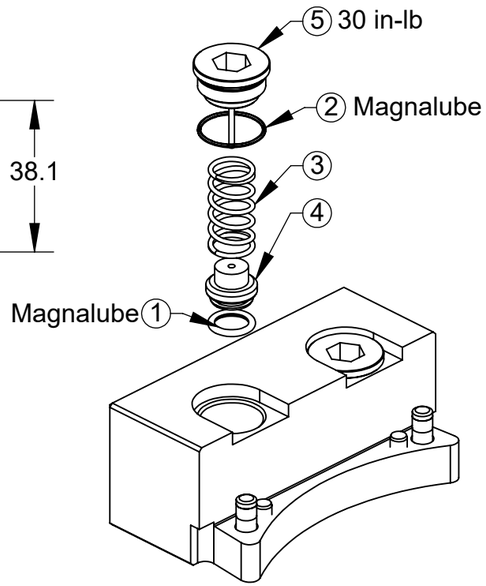
AA2 Master Module
(9121-AA2-M)

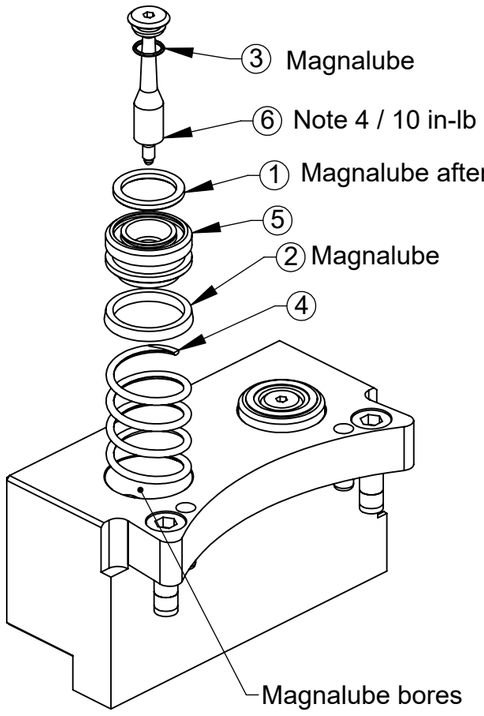




AA2 Tool Module (9121-AA2-T) Shown
AA3 Tool Module (9121-AA3-T)







Notes:
Materials of Construction:
1. Housings - Anodized aluminum.
2. Valve Components - Stainless Steel, Nitrile & PVC
3. Quantities shown in bill of materials are for AA2 master and AA2 tool.
4. Replacement stem contains pre-applied thread locker. Use Loctite 7649 primer and Loctite 222 if reassembling with original stem.

Operations:
5. For best results keep air module mating surfaces free and clear of any debris.
6. Checked ports can produce significant forces when under high supply pressures. These forces have to be overcome to achieve tool changer coupling.
7. Checked ports do not support vacuum conditions.
8. AA2-M master module has (2) 1/2 NPT checked ports.
9. AA2-T tool module has (2) checked 1/2 NPT ports. AA3-T has (2) pass thru 1/2 NPT ports.

AA2-T, AA3-T Serviceable Parts

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	3410-0001067-01	O-ring, 10mm x 2mm, Buna N, Dur. 90
2	2	3410-0001284-01	O-ring, .669OD x .047 wall, 70D, Buna-N
3	2	3610-2712500-20	Spring, Fluid/Air Module, Tool
4	2	3700-20-1457	Tool Fluid/Air Check Valve Piston
5	2	9005-20-2267	F/A Plug Assembly, Tool, 3/8" Valves

Note: Service Kit 9120-F1-T-Kit consists of (1) each of items 1, 2, & 3.
Note: Service Kit 9120-F3-T-Kit consists of (1) each of items 1 thru 5.

AA2-M Serviceable Parts

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	2	3410-0001065-01	O-Ring 14MM X 2MM Buna
2	2	3410-0001068-01	Mini U-Cup Seal 18mm ID x 22mm Buna
3	2	3410-0001183-01	O-Ring 6MM X 2MM Buna D90
4	2	3610-3312500-20	Spring, Fluid/Air Module, Master
5	2	3700-20-2994	Master Check Valve Piston
6	2	3700-20-8065	VALVE STEM, HIGH STRENGTH

Note: Service Kit 9120-F2-M-Kit consists of (1) each of items 1 thru 4.
Note: Service Kit 9120-F4-M-Kit consists of (1) each of items 1 thru 6.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

3rd ANGLE PROJECTION

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DRAWN BY: J.Snape 4/14/05
CHECKED BY: P.Sparrow 4/15/05
PROJECT # 040331-1 SHEET 1 OF 1

TITLE: AA2-M / AA2-T / AA3-T Module Drawing

SCALE	SIZE	DRAWING NUMBER	REVISION
1:1.5	B	9630-20-AA2	11