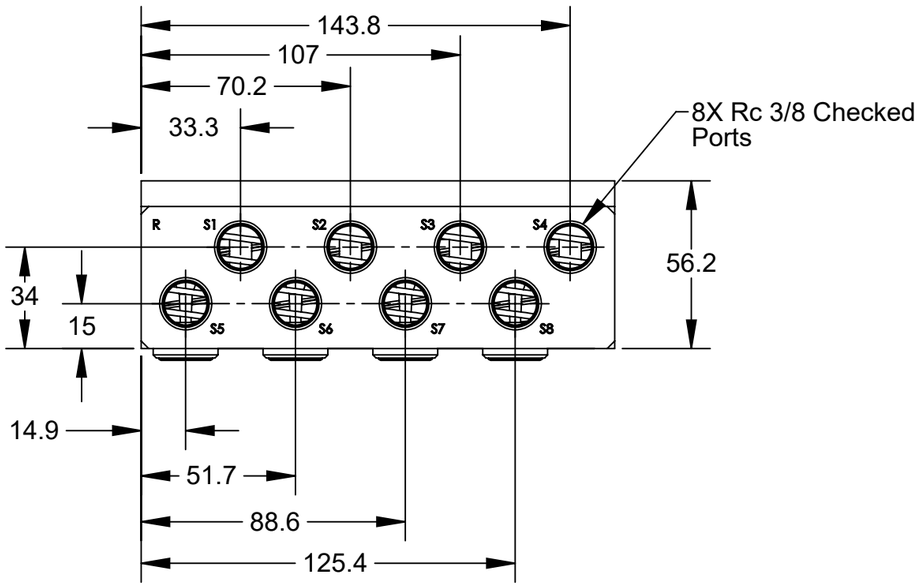
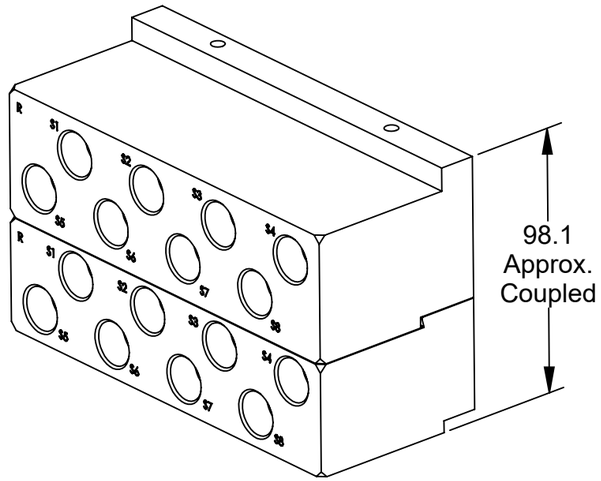
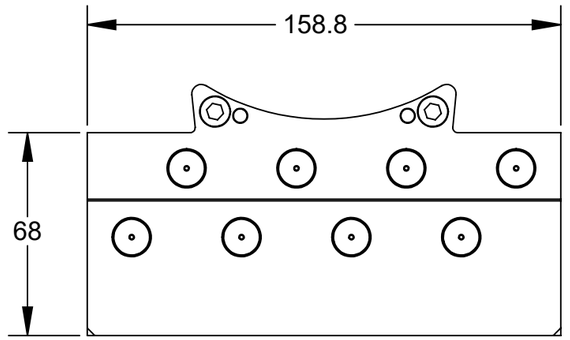
Rev.	Description	Initiator	Date
05	ECO 22132; 3700-20-8065 was 3700-20-2996	LJH	5/9/2025

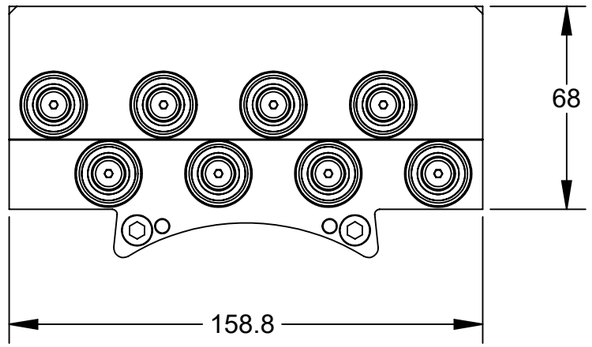
AR4 Master Module (9121-AR4-M)

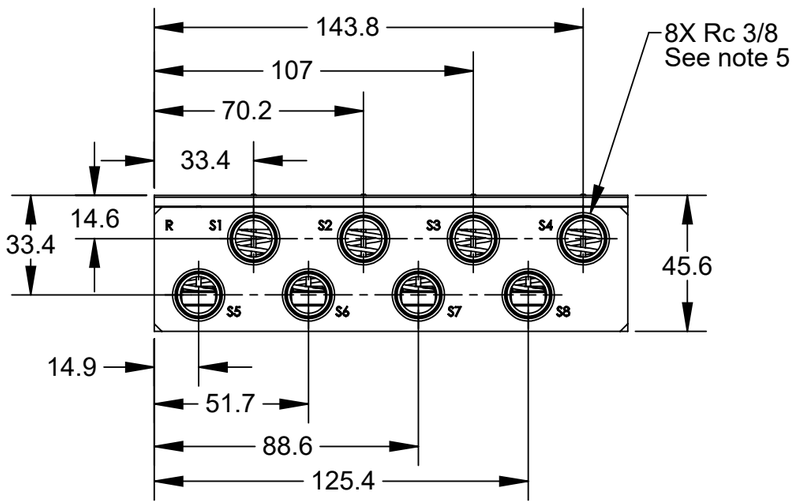




AR4 Tool Module (9121-AR4-T)
AR5 Tool Module (9121-AR5-T)
AR7 Tool Module (9121-AR7-T)







Notes:
Materials of Construction:

1. Housings - Anodized aluminum.
2. Valve Components - Stainless Steel, Nitrile & PVC
3. Replacement stem contains pre-applied thread locker. Use Loctite 7649 primer and Loctite 222 if reassembling with original stem.

Operations:

4. For best results keep air module mating surfaces free and clear of any debris.
5. Checked ports can produce significant forces when under high supply pressures. These forces have to be overcome to achieve tool changer coupling.
6. Checked ports do not support vacuum conditions.
7. AR4-M master module has (8) Rc 3/8 checked ports for air service.
8. AR4-T tool module has (8) checked Rc 3/8 ports for air service.
   AR5-T tool module has (8) pass thru Rc 3/8 ports for air service.
   AR7-T tool module has (4) pass thru Rc 3/8 ports (top row S1 thru S4) and (4) checked Rc 3/8 ports (bottom row S5 thru S8) for air service.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

3rd ANGLE PROJECTION

ATI INDUSTRIAL AUTOMATION

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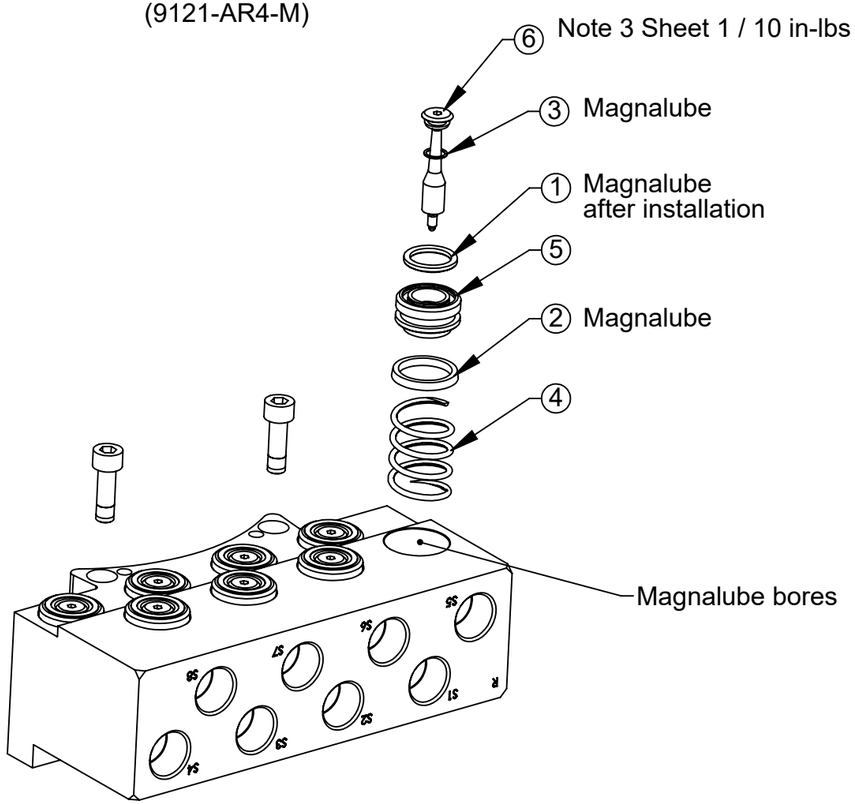
CHECKED BY: DKL 11/28/12

PROJECT # 120905-1 SHEET 1 OF 3

TITLE: AR4/AR5/AR7 Module Drawing

SCALE	SIZE	DRAWING NUMBER	REVISION
1:2	B	9630-20-AR4	05

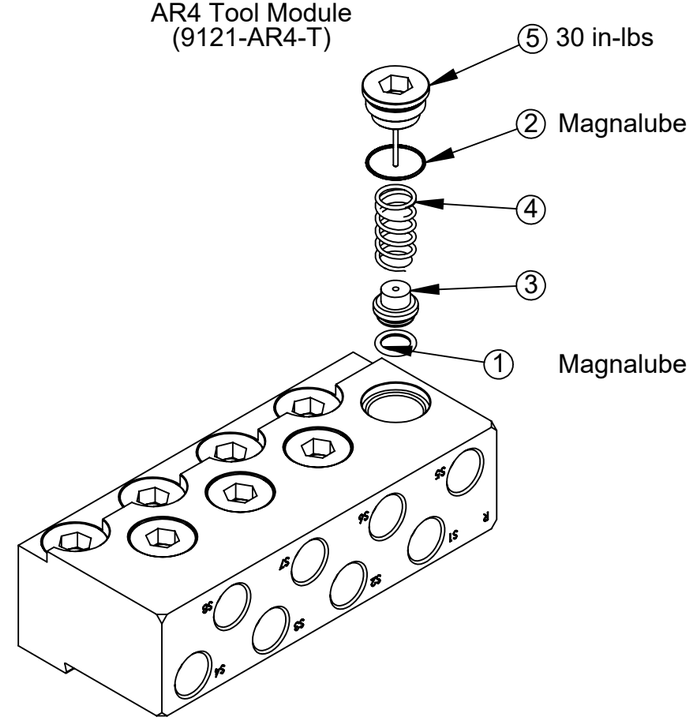
AR4 Master Module
(9121-AR4-M)



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	3700-20-8065	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.

AR4 Tool Module
(9121-AR4-T)



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
8	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.

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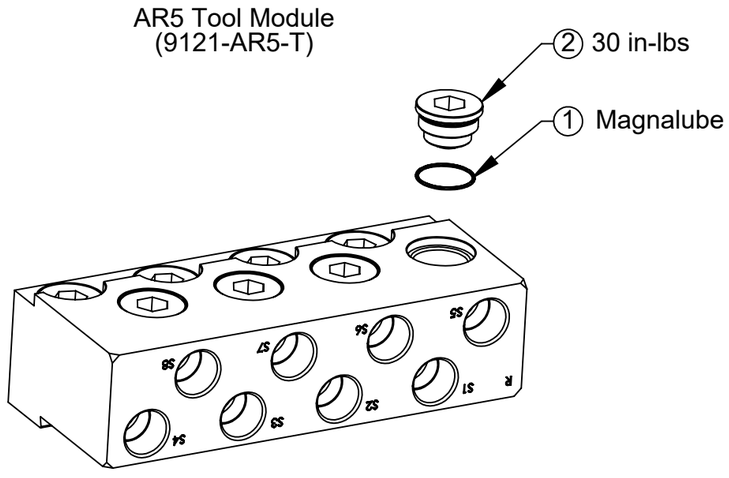
CHECKED BY: DKL 11/28/12

PROJECT # 120905-1 SHEET 2 OF 3

TITLE: AR4/AR5/AR7 Module Drawing

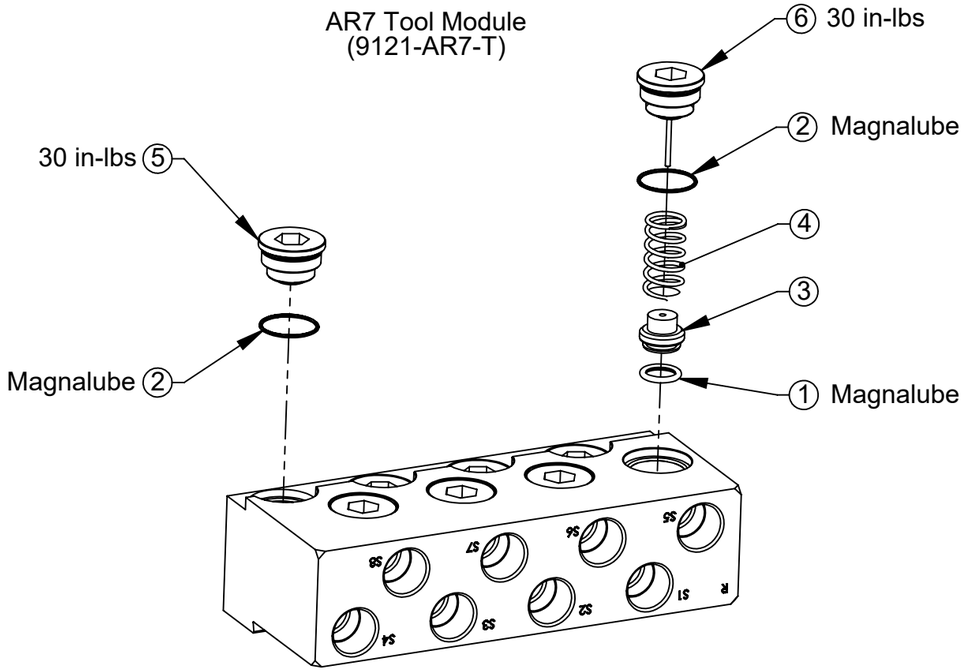
SCALE	SIZE	DRAWING NUMBER	REVISION
1:2	B	9630-20-AR4	05

AR5 Tool Module
(9121-AR5-T)



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	8	3410-0001284-01	O-ring, .669OD x .047 wall, 70D, Buna-N
2	8	3700-20-4121	Fluid/Air Long Plug for QC-210/310 Tool

AR7 Tool Module
(9121-AR7-T)



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	4	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	4	3700-20-1457	Tool Fluid/Air Check Valve Piston
4	4	3700-20-1460	SPRING, FLUID/AIR MODULE, TOOL
5	4	3700-20-4121	Fluid/Air Long Plug for QC-210/310 Tool
6	4	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 consitst of (1) each of items 1, 2, 3, 4, & 6.

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DRAWN BY: D. Wagner 11/26/12

CHECKED BY: DKL 11/28/12

PROJECT # 120905-1 SHEET 3 OF 3

TITLE: AR4/AR5/AR7 Module Drawing

SCALE	SIZE	DRAWING NUMBER	REVISION
1:2	B	9630-20-AR4	05