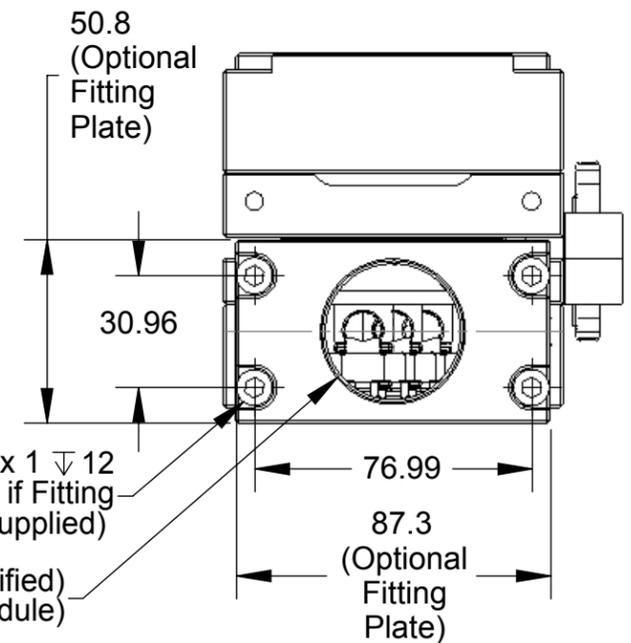
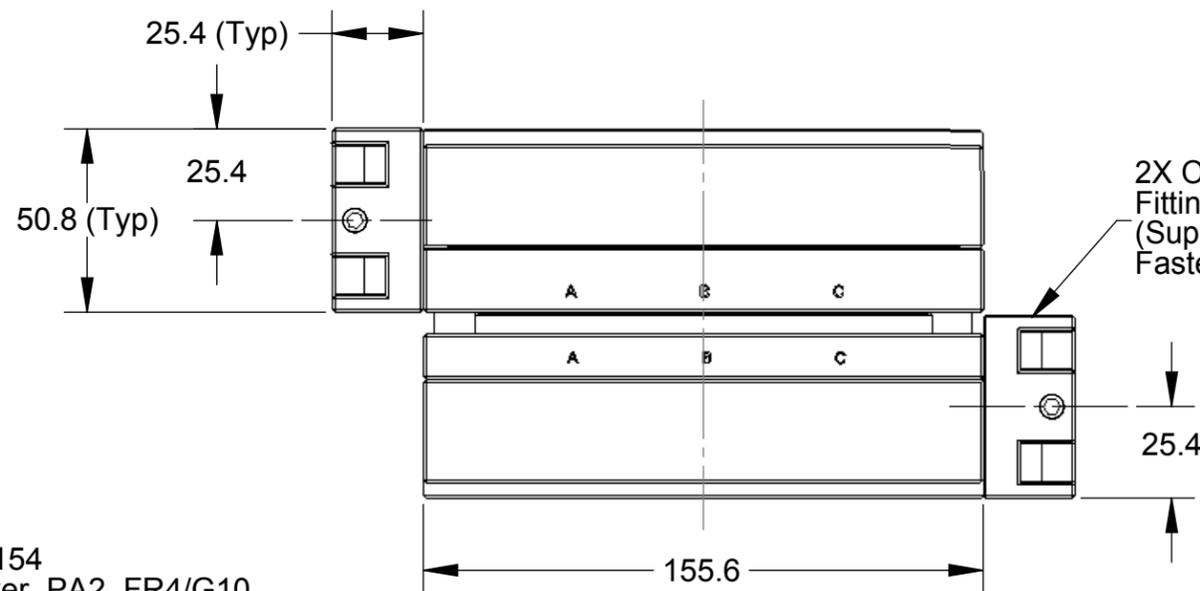
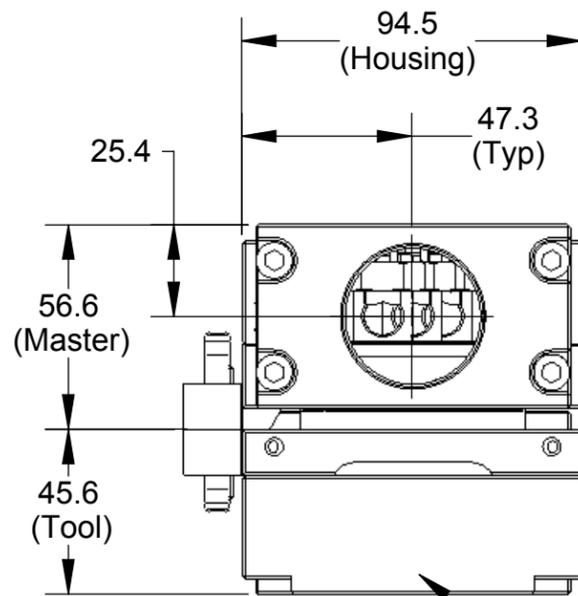
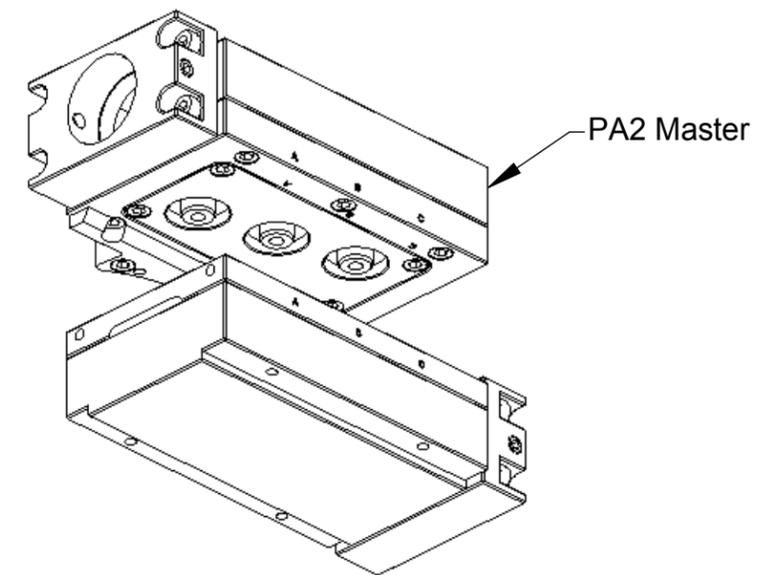
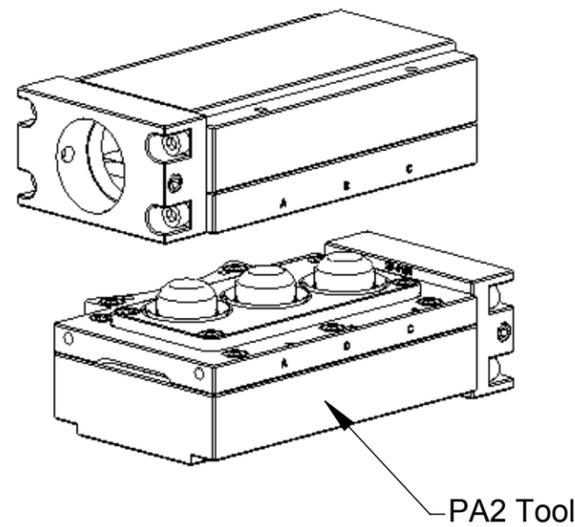
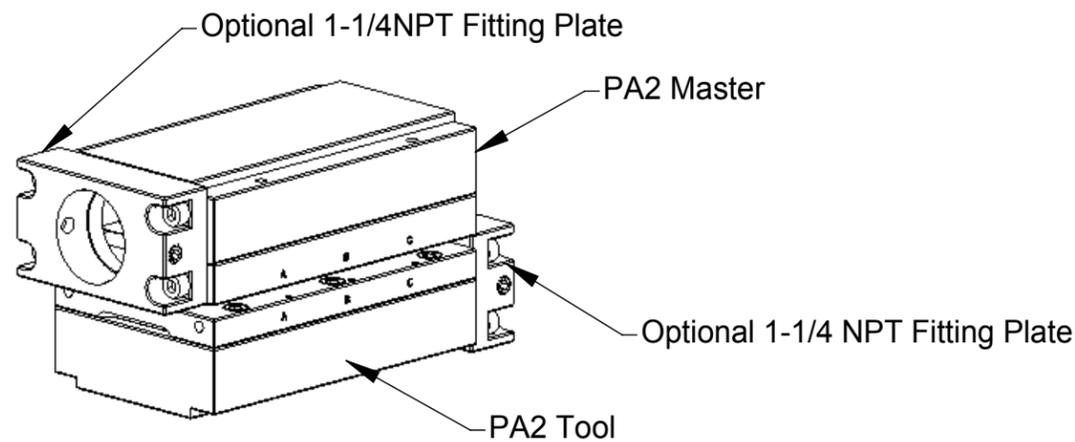


**"DANGER!" - Electrical Shock Hazard**

This module has a Voltage of 50V or greater, NO contact should be attempted before removing power. This especially includes separation or insertion of the mating connectors or any contact with the tool changer or its components.

Rev.	Description	Initiator	Date
12	Eco 14434; Updated Danger note, added Caution note.	LJH	4/26/16



3700-20-4154  
Power Cover, PA2, FR4/G10  
(Master & Tool)

**Caution:** The use of stiff heavy stranded cables can cause improper operation of the module by preventing compliant motion of its contacts. ATI requires the customer supplied cables be of the high-flex type with fine stranding to allow contact motion.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION



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DRAWN BY: D.Lawson, 6/29/04		TITLE	
CHECKED BY: J.Snape, 6/29/04 D.Mushow 7/29/10		PA2 Power Module, Service Parts	
PROJECT #	040324-3	SHEET	1 OF 2
SCALE	1:2	SIZE	B
DRAWING NUMBER	9630-20-PA2		REVISION
			12

Rev.	Description	Initiator	Date
-	See Sheet1	-	-

**\*Field Service Kit: 9005-20-2255**  
contains items identified with asterisks.

ITEM NO.	PART NUMBER	DESCRIPTION
* 1	3500-1058012-15A	M3 x 12mm SHCS Blue Dyed Magni-565, ND Microspheres
* 2	3500-1962005-11	Set Screw M4 x 5 Cup Point
* 3	3540-0103012-21	3mm x 12mm Dowel, SS (DIN 2338)
* 4	3690-6500004-11	Low-Clearance C-Style Ring for 5/8" Shaft Dia.
* 5	3700-20-1544	Contact Tip, Master
* 6	3700-20-4152	CONTACT BASE, MASTER
* 7	3700-20-4153	INSULATOR POST, MASTER
* 8	3700-20-4162	SPLIT-BOLT CABLE CLAMP

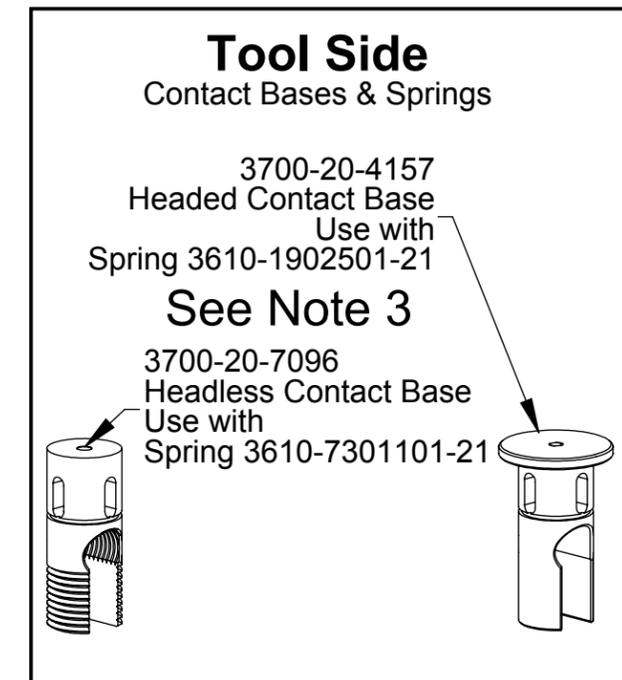
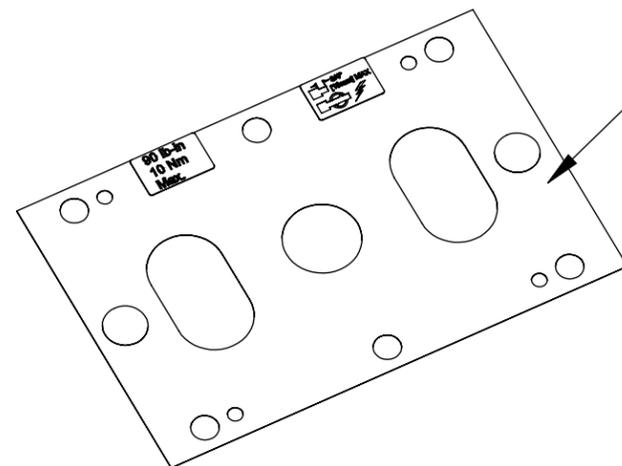
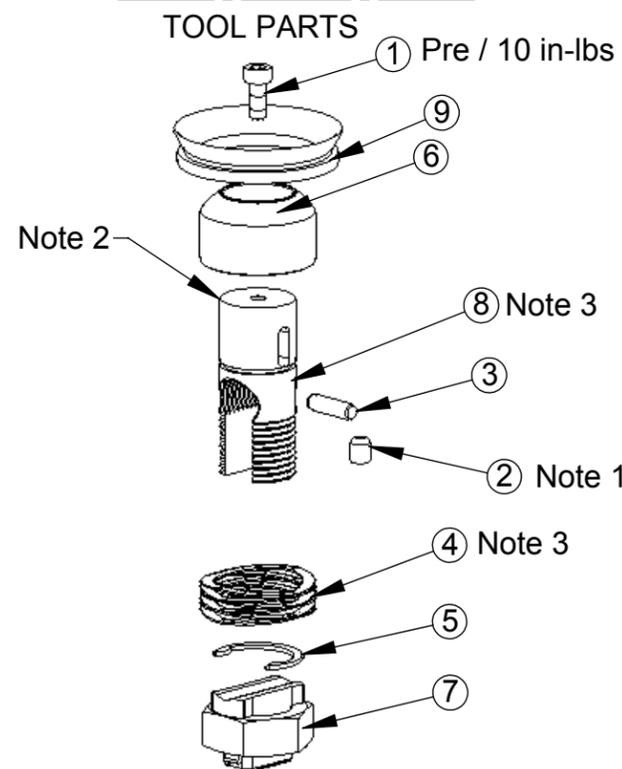
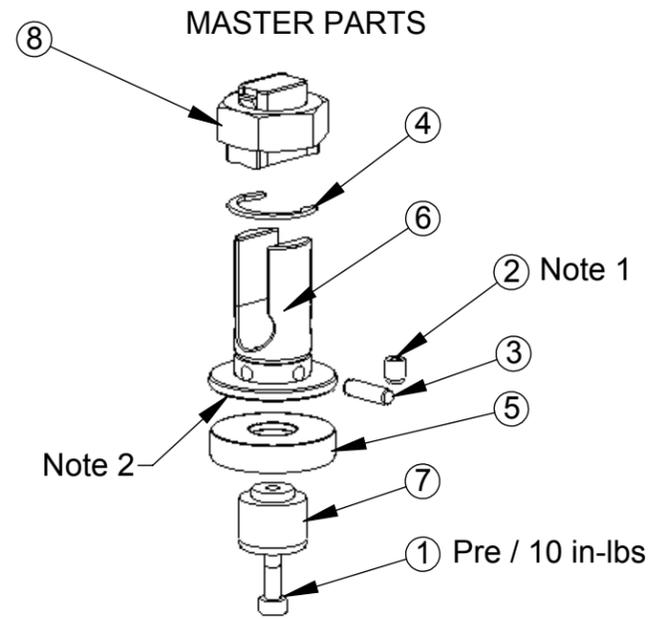
**\*Field Service Kit: 9005-20-2253**  
contains items identified with asterisks.

ITEM NO.	PART NUMBER	DESCRIPTION
* 1	3500-1058008-15A	M3 X 8 SHCS Blue Dyed Magni-565, ND Microspheres
* 2	3500-1962005-11	Set Screw M4 x 5 Cup Point
* 3	3540-0103012-21	3mm x 12mm Dowel, SS (DIN 2338)
* 4	3610-7301101-21	Wave Spring, .91"OD x .44 Lg-Smalley 14892-08
* 5	3690-6500004-11	Low-Clearance C-Style Ring for 5/8" Shaft Dia.
* 6	3700-20-4158	CONTACT TIP, TOOL
* 7	3700-20-4162	SPLIT-BOLT CABLE CLAMP
* 8	3700-20-7096	Narrow #2 Contact Base, Tool
* 9	4010-0000041-01	V-RING

**Notes:**

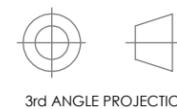
1. Apply Loctite 7649 Primer & Loctite 222. Then install flush with surface to .010" below.
2. Apply conductive silver grease to large flat surface.
3. Two types of tool-side contact bases and springs have been used. When ordering "Contactkit" as referenced above, the headless contact base will be supplied. If only the spring is required, identify the contact base type using the images at the right and order the appropriate spring.

9005-20-1895 Insulator Sheet. Used between fiberglass cover and aluminum plate.  
(Use with both 9121-PA2-M and 9121-PA2-T)



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DRAWN BY: D.Lawson, 6/29/04		TITLE	
CHECKED BY: J.Snape, 6/29/04 D.Mushow 7/29/10		PA2 Power Module, Service Parts	
PROJECT # 040324-3	SHEET 2 OF 2	SCALE 1:2	SIZE B
		DRAWING NUMBER 9630-20-PA2	REVISION 12