

Master Side Parts 9121-PA22RA-M

Right Feed Shown. For Left Feed the End Cover Assembly is Located on the Opposite Side

Robifix Connector Fitting Plate Kit = 9005-20-8783 Contains all shown quantities of items: 3, 6, 9, 15, 17

Screws supplied with Cover (18) Loctite 222 / 12 in-lb

(19) Screws supplied

Loctite 222 / 12 in-lb

with Cover

(3) Loctite 222 / 48 in-oz

ITEM NO.	QTY	PART NUMBER	DESCRIPTION
1	3	1700-0630201-01	Pin, 8mm x 41mm, RobiFix S8/M8-41 AG 30.0401
2	1	3410-0001439-01	O-Ring, 85mm x 2mm, Nitrile, 70A
3	2	3500-0158008-21	M3-0.5 x 8 PAN HEAD PHILLIPS - SS
4	4	3500-1058008-21A	M3-0.5 x 8mm SHCS, SS, Pre-Applied
5	3	3500-1058010-21A	M3-0.5 x 10mm SHCS, SS, Pre-Applied
6	4	3500-1064025-21	M5-0.8 x 25mm SHCS, SS
7	2	3500-1066020-15A	M6-1 x 20mm SHCS, Blue, Pre-Applied
8	2	3540-0105016-11	5mm x 16mm Dowel Alloy Steel
9	3	3620-0800000-60	Cord Grip, M25 Thread, 9mm-17mm cable range, Nylon,
10	3	3690-6500004-11	Low-Clearance C-Style Ring for 5/8" Shaft Dia.
11	3	3700-20-4153	INSULATOR POST, MASTER
12	3	3700-20-8523	Contact Tip, 200A, Master, Silver Plate
13	1	3700-20-9501	Contact Block, PA20, Master
14	1	3700-20-10484	Housing, Box, PA21
15	1	3700-20-10987	Fitting Plate, Robifix Master Sockets, 3x M25 Cord Grip
16	3	3700-20-10988	Contact Base, 200A, M8 Cross drill
17	1	3700-20-11097	Socket Retainer, Robifix Connector, High Current Module
18	1	9005-20-2495	End Cover Assembly, PA20, 44.8mm
19	1	9005-20-2603	Cover Plate Assembly, PA21

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



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_	CHECKED BY: W. Berroc
	K. Dav
OJECTION	PROJECT # 181012-1

	DRAWN BY: D. Simons, 11/7/18
	CHECKED BY: W. Berrocal, 2/20/19
-	K. Davis, 2/26/19

PA22RA-M, PA21RAP-T Customer Drawing

DRAWING NUMBER SCALE SHEET 2 OF 5 1:2 9630-20-PA22RAM PA21RAPT

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(16)

(12) Note 1

(4) -- / 10 in-lb

(9) -- / 50 in-lb

Magnalube 2 Note 2

Loctite 222 / 25 in-lb (6)

(1) -- / 90 in-lb

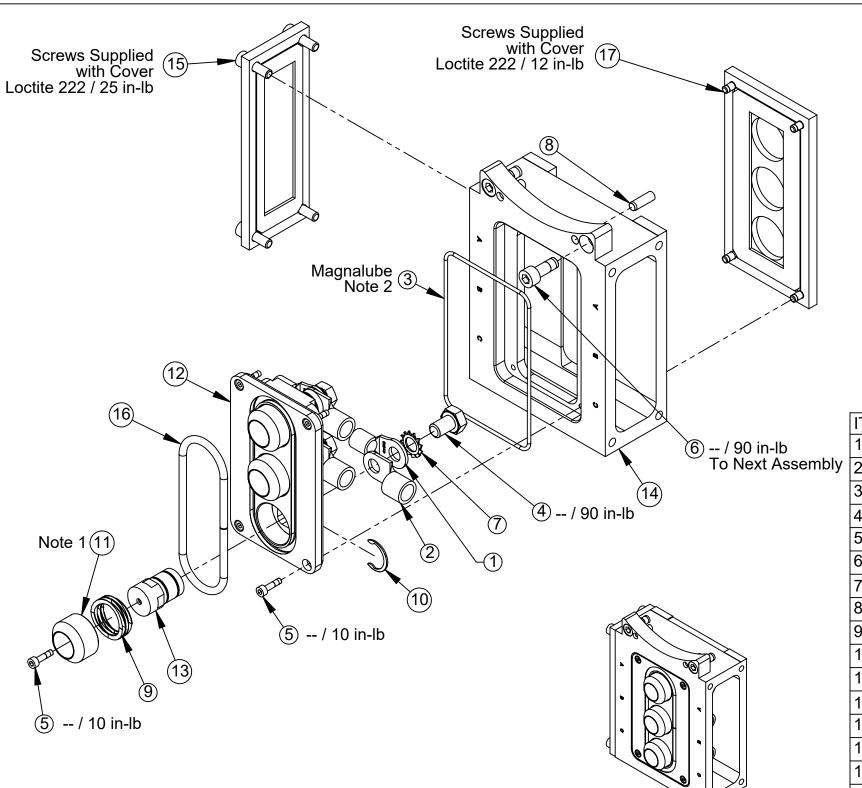
(11)

(5) -- / 10 in-lb

Notes:

 Apply silver grease to the bottom surface per the product manual.
 After applying Magnalube to the o-ring, fit to the underside of the contact carrier, then slip the contact carrier and seal into the housing. 3rd ANGLE PROJECTION

-- / 90 in-lb To Next Assembly



Apply silver grease to the bottom surface per the product manual.
 After applying Magnalube to the o-ring, fit to the underside of the contact carrier, then slip the contact carrier and seal into the housing.

Tool Side Parts 9121-PA21R-T & 9121-PA21L-T

Right Feed Shown. For Left Feed the End Cover Assembly is Located on the Opposite Side

Tip Tool Rebuild Kit = 9005-20-2583 Contains 1 each of items: 5, 9 & 11

	ITEM NO.	QTY	PART NUMBER	DESCRIPTION
	1	3	1705-0610220-03	Ring Terminal, Non Insulated, #4 AWG, 5/16 Stud
y	2	3	1705-5510202-03	Ring Term.,#2x8mm, AMP 322870
	3	1	3410-0001439-01	O-Ring, 85mm x 2mm, Nitrile, 70A
	4	3	3500-0868012-12	M8 x 12 HHCS, Zinc
	5	7	3500-1058012-15A	M3-0.5 x 12mm SHCS, Blue, Pre-Applied
	6	2	3500-1066016-15A	M6-1 x 16mm SHCS, Blue, Pre-Applied
	7	3	3510-5267001-12	Washer, Lock, Ext. Tooth, M8, Steel, Zn Plt, DIN 6797A
	8	2	3540-0105016-11	5mm x 16mm Dowel Alloy Steel
	9	3	3610-7301101-21	Wave Spring, .91"OD x .44 Lg-Smalley 14892-08
	10	3	3690-6500004-11	Low-Clearance C-Style Ring for 5/8" Shaft Dia.
	11	3	3700-20-4158	High Power Tool Module Contact Tip
	12	1	3700-20-9511	Contact Carrier Plate, PA20-T
	13	3	3700-20-9512	200A Contact Base, Bolt Type, PAXX Tool
	14	1	3700-20-10484	Housing, Box, PA21
	15	1	9005-20-2495	End Cover Assembly, PA20, 44.8mm
	16	1	9005-20-2498	8.3" x 4mm Dia. Viton Tubular Seal, PA20-T
	17	1	9005-20-2603	Cover Plate Assembly, PA21

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3rd ANGLE PROJECTION

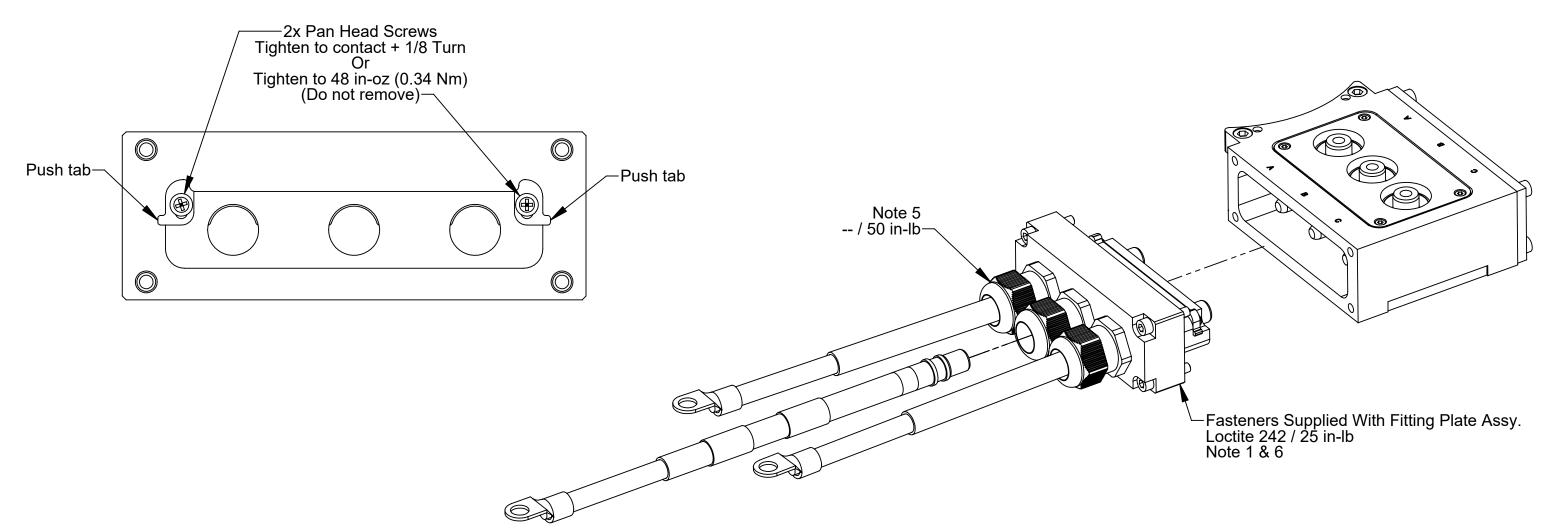
DRAWN BY: D. Simons , 11/7/18	PA22RA-M, PA21RAP-T Customer Drawing
HECKED BY: W. Berrocal, 2/20/19	
K. Davis, 2/26/19	

SCALE SIZE DRAWING NUMBER

PROJECT # 181012-1 SHEET 3 OF 5 1:2 B 9630-20-PA22RAM PA21RAPT

Attachment of the Master Side RobiFix Cables 9121-PA22RA-M & 9121-PA22LA-M

Right Feed Shown. For Left Feed the RobiFix Adapter Assembly is Located on the Opposite Side



Perform the assembly steps in the order listed below.

Assembly Notes:

- Remove the fitting plate assembly from the PA22-M module.
 Loosen the two pan head screws shown.
- 3. Insert the Robifix crimp through the cord grip and fitting plate until it stops. For smaller diameter conductors, the inner grommet supplied with product can be installed within the cord grip

- Push down on the tabs to secure crimps to fitting plate. Retighten pan head screws.
 Tighten the cord grip dome nuts one at a time starting with the middle fitting.
 Fit the fitting plate onto the module ensuring the socket contacts mate to the pins. Tigthen.

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SHEET 4 OF 5

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DRAWN BY: D. Simons, 11/7/18

CHECKED BY: W. Berrocal, 2/20/19 K. Davis, 2/26/19

PROJECT # 181012-1

PA22RA-M, PA21RAP-T Customer Drawing

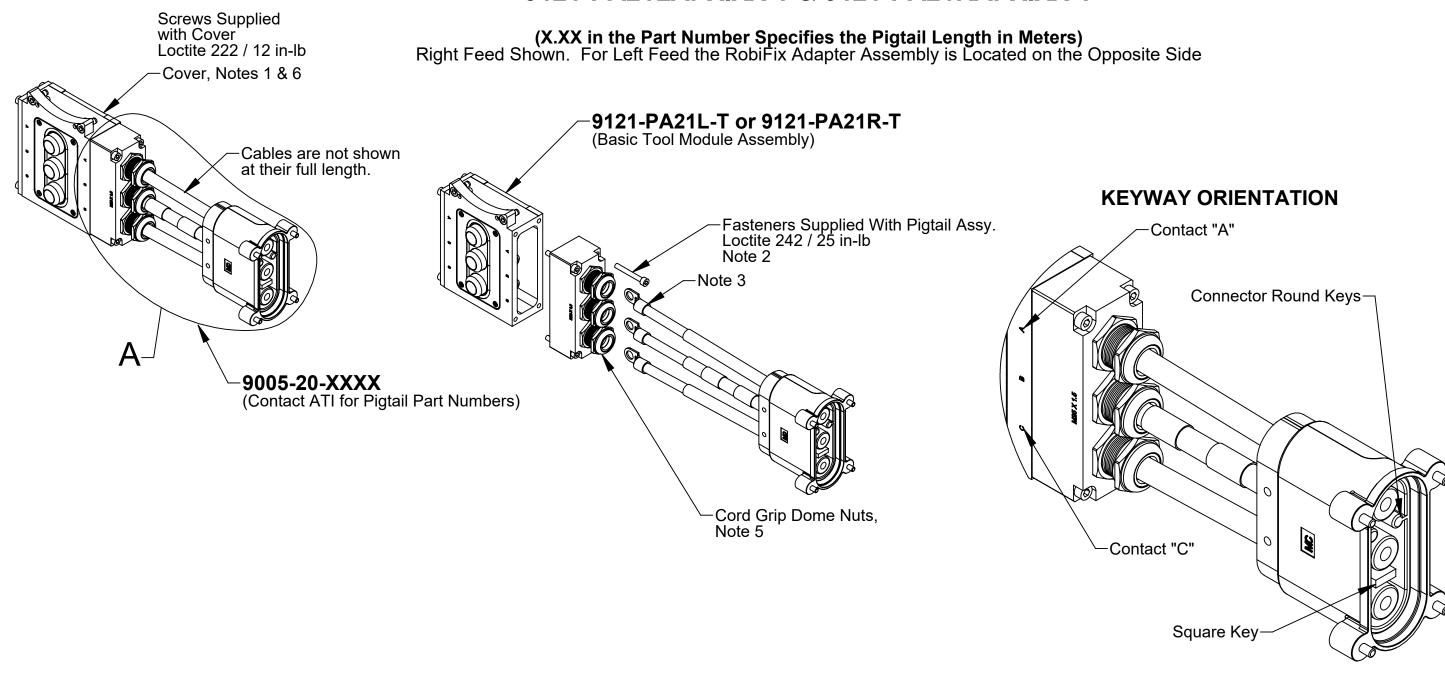
SCALE DRAWING NUMBER 1:2

9630-20-PA22RAM PA21RAPT

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Attachment of the Tool Side RobiFix Pigtail Adapter 9121-PA21LAPX.XX-T & 9121-PA21RAPX.XX-T



Perform the assembly steps in the order listed below.

Notes:

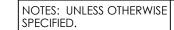
Remove the cover from the PA21-T module.
 Attach the fitting plate assembly to the PA21 housing and tighten its mounting screws.

- 3. Route the cables from the pigtail through the cord grips (observe the cable routing in View A). For smaller diameter conductors, the inner grommet supplied with product can be installed within the cord grip assembly.

 4. Insert the hex head bolts through the lock washers and ring terminals and tighten the bolts.

 5. Tighten the cord grip dome nuts one at a time starting with the middle fitting.

 6. Fit the cover and tighten its mounting screws.



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3rd ANGLE PROJECTION

DRAWN BY: D. Simons, 11/7/18
CHECKED BY: W. Berrocal, 2/20/19
K. Davis, 2/26/19

PROJECT # 181012-1

PA22RA-M, PA21RAP-T Customer Drawing

SCALE DRAWING NUMBER SHEET 5 OF 5 1:4 9630-20-PA22RAM PA21RAPT

VIEW A **SCALE 1:2**

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