

Contact Service Tools Tooling Guide
Installing/Removal



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INSERTION & REMOVAL TOOLING GUIDE

Effective May 1st, 2004. Version 1.1

NOTE: Pico continually adds to the product line featured here. Pico also manufactures a wide range of products serving the connector industry. Please refer to Contacts or terminals which may not be listed in the current catalog can usually be satisfactorily crimped with stock dies. We would be pleased to study your needs in this category, and advise you whether special dies would be required.

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HOW TO USE THIS GUIDE

PART NO	MANUFR	PICO NO.	SIZE	SERV FRM	DESCRIPTION	ILLUS
000207-0031	VIKING	800522	22	F	Removal Tool	AE
000407-00006	VIKING	101142	16	F	MS24256 Removal Tool	E
000407-0003	VIKING	860861	20	R	Installing tool	A
000407-0004	VIKING	860402	20	F	Removal, Pins & Soc.	I

MANUFACTURER'S
TOOL / PART NO

PICO PART NO

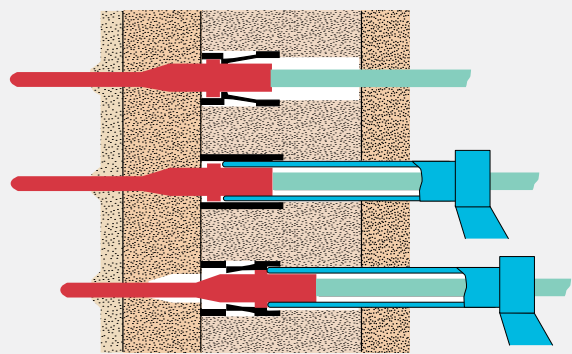
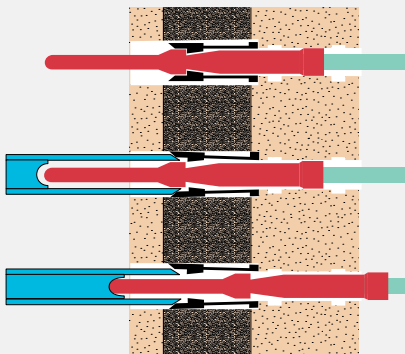
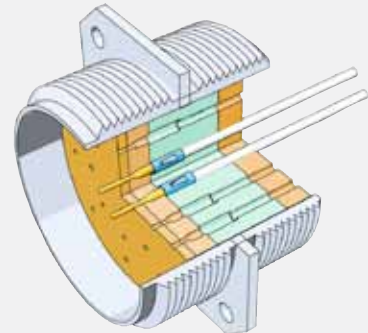
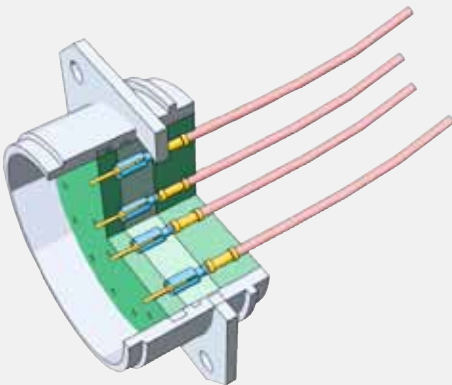
ILLUSTRATION OR
OUTLINE OF TOOL

MANUFACTURER

CONTACT
SIZE

"F" - SERVICE CONTACT
FROM FRONT

"R" SERVICE FROM
REAR



Typical Front Release

Typical Rear Release



Pico manufacturer's a variety of contact wire installing and removal tools, including both metal and plastic. A variety of styles are available to meet industry requirements, including front & rear release installing tools, front release & rear removal removal tools, and tweezer style removal tools. An extensive series of Military specification tools are available as well.

Pico has a long history desgining and manufacturing custom tools to accomodate proprietary applications. These include plier contact tools, impact style, in-line tips, off-set tips, plastic and metal tips, spring loaded or non-spring styles., multiple tips kits and unwired contact removal tools. Kits can be customized to meet a series of specific needs. Pico welcomes the opportunity



**INSTALLING TOOLS:
FRONT RELEASE - REAR RELEASE**

Installing tools in these styles are used with front release connectors such as such as MIL-C-26482, MIL-C-26500, MIL-C-26518, MIL-C-38300, MIL-C-28840, MIL-C-5015, MIL-C-81659 and MIL-C-81703.

This tool style can also be used with rear release connectors as well.

FRONT RELEASE - REAR RELEASE



**INSTALLING TOOLS:
FRONT RELEASE - REAR REMOVAL**

Front release removal tools in which the tool is inserted into the front of the connector to release the contact locking mechanism are used with connectors such as MIL-C-26482, MIL-C-26500, MIL-C-26518, MIL-C-38300, MIL-C-28840, MIL-C-5015, MIL-C-81659 and MIL-C-81703.



PLASTIC TOOLS:

Pico also produces an extensive line of proprietary design installing and removal tools. These include plier type, impact style, in-line



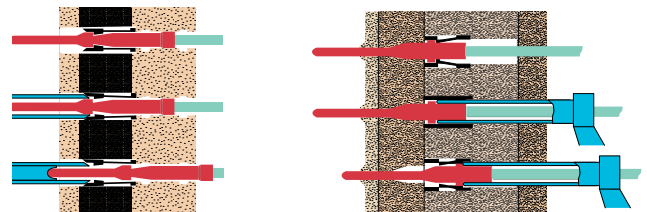
CUSTOM DESIGNS:

Pico also produces an extensive line of proprietary design installing and removal tools. These include plier type, impact style, in-line tips, off-set tips, plastic and metal tips, spring loaded or non-spring style. Multiple tips kits and unwired contact removal tools.



**REMOVAL TOOLS:
FRONT RELEASE - TWEEZER STYLE**

Tweezer style installing and removal tools are designed to accommodate rear release connectors such as MIL-C-38999, NAS 1599, MIL-C-005015, MIL-C-81511 and MIL-C-83723.



TYPICAL FRONT RELEASE CONTACT TYPICAL REAR RELEASE CONTACT



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
000207-0031	VIKING	800522	22	F	Removal Tool	H
000407-00006	VIKING	101142	16	F	MS24256 Removal Tool	E
000407-0003	VIKING	860861	20	R	Installing tool	A
000407-0004	VIKING	860402	20	F	Removal, Pins & Socket	I
000407-0027	VIKING	101001	16	R	MS24256 Installing Tool	C
00407-0603	VIKING	860732	20	F	Removal Tool	H
0148-0141	ASTRO	301920		R	HandleOnly	N
061742-04	ELCO	550821	20	R	InstallingTool	A
1 1-76~4-2	BENDIX	302038	4	F	Socket Removal Tip	Z
1 1-8795-22	BENDIX	300592	22	R	Straight Removal Tweezer	J-2
107-1001	WINCHESTER	881042	16	F	Removal Tool	H
107-1005	WINCHESTER	881022	16	F	Removal Tool	H
107-1007	WINCHESTER	880252		F	Removal Tool	F
107-1011	WINCHESTER	880551	22	R	Installing Tool	A
107-1012	WINCHESTER	100612	22	F	Removal Tool	H
107-1015	WINCHESTER	100941	16	R	Installing Tool	A
107-1026	WINCHESTER	881332	16	R	Removal Tool	E
11-10050-1	BENDIX	300505	22D	R	Unwired Contact Remover	Q
11-10050-2	BENDIX	300595	22	R	Unwired Contact Remover	Q
11-10050-3	BENDIX	300785	20	R	Unwired Contact Remover	Q
11-10050-4	BENDIX	301095	16	R	Unwired Contact Remover	Q
11-10050-5	BENDIX	301555	12	R	Unwired Contact Remover	Q
11-10050-6	BENDIX	300515	22M	R	Unwired Contact Remover	Q
11-3675	BENDIX	300653	12/16	R	Installation Kit	N
11-3691	BENDIX	301048	16	R	Off-set Tip	Z
11-3692	BENDIX	301618	12	R	90 DegreeTip	Z
11-3693	BENDIX	301628	12	R	Off-setTip	Z
11-3694	BENDIX	301058	16	R	90 DegreeTip	Z
11-3695	BENDIX	300693	12/16	F	Removal Kit	N
11-3696	BENDIX	300608	12	F	Pin Removal Tip	Z
11-3697	BENDIX	300618	16	F	Pin Removal Tip	Z
11-3698.	BENDIX	300628	12/16	F	Socket Removal Tip	Z
11-3699	BENDIX	301930			Handle Only	Z
11-6147-1	BENDIX	309994			Connector Plier	
11-6781	BENDIX	301001	16	R	Installing Plier	L
11-6782	BENDIX	300901	20	R	Installing Plier	L
11-6783	BENDIX	300408	20	R	Pin RemovalTip	Z
11-6784	BENDIX	300398	20	R	Socket Removal Tip	Z
11-6900	BENDIX	300503	16/20	F	Removal Kit	N
11-6911	BENDIX	301920		R	Handle Only	N
11-7082	BENDIX	301451	12	R	Installing Plier	L
11-7260	BENDIX	300793	12/16/20	F	Removal Kit	N
11-7345	BENDIX	301281	16	R	Installing Plier	L
11-7370-3	BENDIX	301498	8	F	Pin Removal Tip	Z



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
11-7370-4	BENDIX	302328	4	F	Pin Removal Tip	Z
11-7370-5	BENDIX	303648	0	F	Pin Removal Tip	Z
11-7401-10	BENDIX	301841	10	R	Installing Tool	AA
11-7401-12	BENDIX	101441	12	R	Installing Tool	AB
11-7401-16	BENDIX	101011	16	R	Installing Tool	AB
11-7401-20	BENDIX	100861	20	R	M524256 Insert. Tool	C
11-7458	BENDIX	302908	8	F	Bendix Tip	AC
11-7458-12	BENDIX	302628	12	F	Bendix Tip	AC
11-7458-16	BENDIX	301158	16	F	Bendix Tip	AC
11-7458-20	BENDIX	300798	20	F	Bendix Tip	AC
11-7674-1	BENDIX	301398	8	F	Socket Removal Tip	Z
11-7674-3	BENDIX	303448	0	F	Socket Removal Tip	Z
11-7736	BENDIX	301291	16	R	Installing Plier	M
11-7763	BENDIX	301441	12	R	Installing Plier	M
11-7837	BENDIX	300663	8-12-16	F	Removal Kit	N
11-7880-12	BENDIX	101612	12	F	Removal Tool	E
11-7880-16	BENDIX	101142	16	F	MS24256 Removal Tool	E
11-7880-20	BENDIX	100802	20	F	Removal Tool	E
11-7880-8	BENDIX	302912	8	F	Removal - Coaxial	E
11-8107-16	BENDIX	301011	16	R	Installing Plier	L
11-8107-20	BENDIX	300861	20	R	Installing Plier	L
11-8154-1	BENDIX	302882	8	R	Removal - Coaxial	E
11-8220	BENDIX	302721	8	R	Installing Plier - Coaxial	AD
11-8250	BENDIX	300723	8-12-16	F	Removal Kit	N
11-8251	BENDIX	301408	8	F	Socket Removal Tip	Z
11-8252	BENDIX	301388	8	F	Pin Removal Tip	Z
11-8475	BENDIX	301383	12-16	F	Removal Kit	N
11-8660-1	BENDIX	301331	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
11-8660-2	BENDIX	301601	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
11-8660-3	BENDIX	302031	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
11-8660-4	BENDIX	302311	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
11-8660-5	BENDIX	302531	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
11-8674-12	BENDIX	101601	12	R	Installing Tweezer	J-1
11-8674-16	BENDIX	101091	16	R	Installing Tweezer	J-1
11-8674-20	BENDIX	100781	20	R	Installing Tweezer	J-1
11-8674-22	BENDIX	100601	22	R	Installing Tweezer	J-1
11-8674-24	BENDIX	100501	22D/M	R	Installing Tweezer	J-1
11-8675-12	BENDIX	101602	12	R	Removal Tweezer	J-1
11-8675-16	BENDIX	101092	16	R	Removal Tweezer	J-1
11-8675-20	BENDIX	100782	20	F	MS24256 Removal Tool	E
11-8675-22	BENDIX	100602	16	F	Socket Removal	G
11-8675-24	BENDIX	100502	22D/M	R	Removal Tweezer	J-1
11-8695-20	BENDIX	300782	20	R	Straight Removal Tweezer	J-2
11-8794-12	BENDIX	301591	12	R	Straight Installing Tweezer	J-2



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
11-8794-16	BENDIX	301091	16	R	Straight Installing Tweezer	J-2
11-8794-20	BENDIX	300781	20	R	Straight Installing Tweezer	J-2
11-8794-22	BENDIX	300601	22	R	Straight Installing Tweezer	J-2
11-8794-24	BENDIX	300501	22D/M	R	Straight Installing Tweezer	J-2
11-8795-12	BENDIX	301602	12	R	Straight Removal Tweezer	J-2
11-8795-16	BENDIX	301092	16	R	Straight Removal Tweezer	J-2
11-8795-24	BENDIX	300502	22D/M	R	Straight Removal Tweezer	J-2
11-8952	BENDIX	300472	22D/M	R	Removal Tweezer	J-2
11-8953-1	BENDIX	300531	22D/M	R	Installing Tweezer	J-2
15513-12	DEUTSCH	101451	12	R	MIL-C-16482 Inst. Tools	E
15513-16	DEUTSCH	101001	16	R	MS24256 Installing Tool	C
15513-20	DEUTSCH	100861	20	R	MS24256 Installing Tool	C
200826-1	AMP	100861	20	R	MS24256 Installing Tool	C
200826-2	AMP	101001	16	R	MS24256 Installing Tool	C
20823-2	AMP	101142	16	F	MS24256 Removal Tool	E
20823-3	AMP	100782	20	F	MS24256 Removal Tool	E
2512	CONTINENTAL	101042	16	F	Removal Tool	H
2534	CONTINENTAL	100941	16	R	Installing Tool	A
2558	CONTINENTAL	300561	22	R	Installing Tool	A
2559	CONTINENTAL	100612	22	F	Removal Tool	H
258-6018-16	MATRIX	151122	16	R	Removal Tweezer	J-1
258-6019-16	MATRIX	151071	16	R		A
259-600-20	MATRIX	150802	20	R	Removal Tweezer	J-1
2597	AIRBORN	100482	22	R	Removal Tweezer	J-1
2598	AIRBORN	100492	22	R	Removal Tweezer	J-2
294-123	AMPHENOL	500351		R	Installing Tool	
294-127	AMPHENOL	502552	Coax	F	No. 2 Shielded Contact	E
294-128	AMPHENOL	501891	Coax	R	No. 2 Shielded Contact	D
294-152	AMPHENOL	200402	20	F	Pin & Socket Removal Tool	I
294-155	AMPHENOL	200402	20	F	Pin & Socket Removal Tool	I
294-189	AMPHENOL	501852	16	F	Removal Tool	E
294-190	AMPHENOL	501751	10	R	Installing Tool	D
294-192	AMPHENOL	101011	16	R	Installing Tool	AB
294-219	AMPHENOL	101152	16	F	Removal Tool	E
294-229	AMPHENOL	101441	12	R	Installing Tool	AB
294-230	AMPHENOL	101622	12	F	Removal Tool	E
294-235	AMPHENOL	105581	0	R	Installing Tool	AB
294-236	AMPHENOL	103781	4	R	Installing Tool	AB
294-237	AMPHENOL	102601	8	R	Installing Tool	AB
294-238	AMPHENOL	502542	Coax	F	Removal Tool	E
294-239	AMPHENOL	103362	0	F	Removal Tool	E
294-240	AMPHENOL	102522	8	F	Removal Tool	E
294-241	AMPHENOL	105182	0	F	Removal Tool	E
294-27	AMPHENOL	100811	20	R	Install Pin & Sockets	D
294-278	AMPHENOL	100511	22	R	Installs Pin & Sockets	P



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
294-279	AMPHENOL	500791	20	R	Installs Pin & Sockets	A
294-28	AMPHENOL	100422	20	F	Pin Removal	C
294-280	AMPHENOL	100802	20	F	Removal Tool	E
294-286	AMPHENOL	100302	23	F	Pin Removal	C
294-287	AMPHENOL	100262	23	F	Socket Removal	G
294-29	AMPHENOL	100382	20	F	Socket Removal	G
294-296	AMPHENOL	100702	20	F	Size Sub 20 Removal tool	E
294-30	AMPHENOL	101041	16	R	Installs Pin & Sockets	D
294-31	AMPHENOL	100652	16	F	Pin Removal	C
294-32	AMPHENOL	100602	16	F	Socket Removal	G
294-33	AMPHENOL	101581	12	R	Installs Pins & Sockets	D
294-34	AMPHENOL	101202	12	F	Pin Removal	C
294-35	AMPHENOL	100932	12	F	Socket Removal	G
294-39	AMPHENOL	500693	16	F/R	Insertion & Removal Kit	P
294-40	AMPHENOL	599933	12	F/R	Insertion & Removal Kit	P
294-465	AMPHENOL	501099	16	R	Installing Tip Pin & Socket	P
294-466	AMPHENOL	500718	16	F	Pin Removal Tip	P
294-467	AMPHENOL	500618	16	F	Socket Removal Tip	P
294-468	AMPHENOL	501529	12	R	Installing Tip Pin & Socket	P
294-469	AMPHENOL	501078	12	F	Pin Removal Tip	P
294-470	AMPHENOL	500938	12	F	Socket Removal Tip	P
294-48	AMPHENOL	501252	16	F	Removal Tool	E
294-58	AMPHENOL	500852	20	F	Removal Tool	E
294-66	AMPHENOL	500503	16/20	R	Collet - Double-Ended Tool	I
294-72	AMPHENOL	101442	12	R	Installing Tool	AB
294-73	AMPHENOL	101612	12	F	Removal Tool	E
294-88	AMPHENOL	100861	20	R	M524256 Insert. Tool	C
294-89	AMPHENOL	100802	20	F	Removal Tool	E
294-96	AMPHENOL	101011	16	R	Installing Tool	AB
294-97	AMPHENOL	101142	16	F	MS24256 Removal Tool	E
305141-1	AMP	503022	Coax	F	Removal Tool	E
305183-0	AMP	501132	16/20	F	Removal Tool	E
305183-2	AMP	501032	20	F	Removal Tool	E
356-200	AMPHENOL	500003			Handle	P
356-400-1	AMPHENOL	500401	22	R	Min-Rac, Reliatac Pins & Skts	A
356-400-11	AMPHENOL	500331	22	R	Wire Form Pine Sockets	A
356-400-12	AMPHENOL	500292	22	F	Min-Rac-220-501 Socket	A
356-400-13	AMPHENOL	500332	22	F	Min-Rac	A-2
356-400-14	AMPHENOL	500322	22	F	Min-Rac	I
356-400-15	AMPHENOL	500322	22	F	Min-Rac	I
356-400-2	AMPHENOL	500401	22	R	Min-Rac, Reliatac Pins & Skts	A
356-400-3	AMPHENOL	500401	22	R	Min-Rac, Reliatac Pins & Skts	A
356-400-5	AMPHENOL	500402	22	F	Min-Rac Pins & Sockets	I
356-400-6	AMPHENOL	500402	22	F	Min-Rac Pins & Sockets	I
356-400-7	AMPHENOL	500402	22	F	Min-Rac Pins & Sockets	I



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
356-400-8	AMPHENOL	500402	22	F	Min-Rac Pins & Sockets	I
370-8040-010	COLLINS	201882	Coax	F	Pin & Socket Removal	E
372-8091-010	COLLINS	200262		F	Tuning Fork, Removal	K
372-8091-060	COLLINS	200321		R	Installing Tweezer	J-2
5000-026-22	MATRIX	660532	22	R	Removal Tweezer	J-1
5120-00-005-8054	Fed Stock	MS3323-2U				D
5120-00-006-4536	Fed Stock	M53342-16				C
5120-00-006-9991	Fed Stock	502552	Coax	F	No. 2 Shielded Contact	E
5120-00-007-5752	Fed Stock	M53323-16				D
5120-00-010-6733	Fed Stock	200462	20	F	Pin & Socket Push Out	I
5120-00-018-0529	Fed Stock	M527495A16				J
5120-00-018-0531	Fed Stock	M527495A12				J
5120-00-018-0535	Fed Stock	M81969/14-02				AG
5120-00-018-0575	Fed Stock	M81969/14-01				AG
5120-00-020-5926	Fed Stock	501132	16/20	F	Removal Tool	E
5120-00-032-4064	Fed Stock	300541				J
5120-00-033-0249	Fed Stock	300608	12	F	Pin Removal Tip	Z
5120-00-033-0250	Fed Stock	300618	16	F	Pin Removal Tip	Z
5120-00-033-0251	Fed Stock	300628	12/16	F	Socket Removal Tip	Z
5120-00-042-0998	Fed Stock	100941	16	R	Installing Tool	A
5120-00-045-7170	Fed Stock	301408	8	F	Socket Removal Tip	Z
5120-00-045-7171	Fed Stock	300723	8-12-16	F	Removal Kit	N
5120-00-045-7179	Fed Stock	301388	8	F	Pin Removal Tip	Z
5120-00-052-0796	Fed Stock	780521	22	R	Installing Tool	A
5120-00-058-0218	Fed Stock	M81969/14-04				AG
5120-00-071-3130	Fed Stock	200831	20	R	Installing Plier	M
5120-00-072-2005	Fed Stock	301011	16	R	Installing Plier	L
5120-00-073-4765	Fed Stock	300398	20	R	Socket Removal Tip	Z
5120-00-078-2909	Fed Stock	880551	22	R	Installing Tool	A
5120-00-079-4598	Fed Stock	M524256A20				Z
5120-00-079-4599	Fed Stock	M524256A16				Z
5120-00-079-4600	Fed Stock	M524256A12				Z
5120-00-079-4601	Fed Stock	M524256R20				F
5120-00-079-4602	Fed Stock	M524256R16				F
5120-00-079-9461	Fed Stock	M524256R12				F
5120-00-083-2062	Fed Stock	500933				N
5120-00-091-6753	Fed Stock	300653	12/16	R	Installation Kit	N
5120-00-103-9708	Fed Stock	M527495R12				J
5120-00-104-0206	Fed Stock	151602	12	R	Removal Tweezer	J-1
5120-00-104-1835	Fed Stock	402502	8	F	Removal Tool	H
5120-00-104-1970	Fed Stock	M527534-16				AG
5120-00-104-4066	Fed Stock	M53448-001				R
5120-00-109-3227	Fed Stock	M524256R16				E
5120-00-111-0220	Fed Stock	101142	16	F	MS24256 Removal Tool	E
5120-00-113-3792	Fed Stock	820792	20	R	Removal Tool NAS 1599	X



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
5120-00-114-5120	Fed Stock	781252				E
5120-00-116-2821	Fed Stock	M81969/14-04				AG
5120-00-116-7454	Fed Stock	M81969/14-02				AG
5120-00-116-7457	Fed Stock	M81969/14-02				AG
5120-00-116-8235	Fed Stock	780541				A
5120-00-117-2714	Fed Stock	M53344-23				G
5120-00-117-3937	Fed Stock	200712	20	R	Removal Tweezer	J-1
5120-00-117-4730	Fed Stock	100482	22	R	Metal Tweezer	J-1
5120-00-117-7095	Fed Stock	M53342-23				C
5120-00-118-7076	Fed Stock	480572	20	F	Removal Tool	H
5120-00-122-3692	Fed Stock	M53483-1				T
5120-00-122-3693	Fed Stock	M53483-2				T
5120-00-122-3694	Fed Stock	M53483-3				T
5120-00-124-3885	Fed Stock	200541	22	R	Installing Tool	A
5120-00-124-4050	Fed Stock	823302	Coax	R	Coax Removal	A
5120-00-127-5253	Fed Stock	550472				J
5120-00-132-1960	Fed Stock	102601	8	R	Installing Tool	AB
5120-00-132-1961	Fed Stock	103781	4	R	Installing Tool	AB
5120-00-132-1979	Fed Stock	105581	0	R	Installing Tool	AB
5120-00-132-2047	Fed Stock	101011	16	R	Installing Tool	AB
5120-00-132-2051	Fed Stock	101441	12	R	Installing Tool	AB
5120-00-132-5218	Fed Stock	M81969/16-02				AG
5120-00-132-5451	Fed Stock	M81969/16-03				AG
5120-00-132-5739	Fed Stock	M81969/1-02				AG
5120-00-132-5791	Fed Stock	M81969/1-01				AG
5120-00-132-5808	Fed Stock	M81969/16-04				AG
5120-00-132-6328	Fed Stock	M81969/16-01				AG
5120-00-133-0031	Fed Stock	101502				D
5120-00-133-0032	Fed Stock	780601				A
5120-00-133-0033	Fed Stock	820551	22	R	Installing Tool	X
5120-00-133-0034	Fed Stock	820811	20	R	Installing Tool	X
5120-00-133-0035	Fed Stock	821041	16	R	Installing Tool	X
5120-00-133-0096	Fed Stock	100382	20	F	Socket Removal	G
5120-00-133-0097	Fed Stock	101152	16	F	Removal Tool	E
5120-00-133-0098	Fed Stock	101622	12	F	Removal Tool	E
5120-00-133-0099	Fed Stock	103362	0	F	Removal Tool	E
5120-00-133-0138	Fed Stock	105581	0	R	Installing Tool	AB
5120-00-133-0144	Fed Stock	M81969/29-02				AG
5120-00-133-0147	Fed Stock	101202	12	F	Pin Removal	C
5120-00-133-0149	Fed Stock	100422	20	F	Pin Removal	C
5120-00-133-0155	Fed Stock	100932	12	F	Socket Removal	G
5120-00-133-0158	Fed Stock	M81969/29-03				AG
5120-00-133-0167	Fed Stock	M81969/29-04				AG
5120-00-133-0168	Fed Stock	102522	8	F	Removal Tool	E
5120-00-133-0169	Fed Stock	810602	22	R	Removal Tool	J-1



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
5120-00-133-0170	Fed Stock	820572	22	R	Removal Tool	X
5120-00-133-0182	Fed Stock	820812	20	R	Removal Tool	X
5120-00-133-0199	Fed Stock	821052	16	R	Removal Tool	X
5120-00-133-0351	Fed Stock	100442				F
5120-00-133-0366	Fed Stock	100582				F
5120-00-133-0367	Fed Stock	100902				F
5120-00-133-0374	Fed Stock	101502				F
5120-00-133-3679	Fed Stock	831361				A
5120-00-133-3688	Fed Stock	830821				A
5120-00-137-9138	Fed Stock	100602	16	F	Socket Removal	G
5120-00-137-9139	Fed Stock	300601	22	R	Straight Installing Tweezer	J-2
5120-00-137-9140	Fed Stock	100601	22	R	Installing Tweezer	J-1
5120-00-146-6557	Fed Stock	100602	16	F	Socket Removal	G
5120-00-146-6558	Fed Stock	100502	22D/M	R	Removal Tweezer	J-1
5120-00-146-6566	Fed Stock	100601	22	R	Installing Tweezer	J-1
5120-00-148-9843	Fed Stock	100729				R
5120-00-148-9844	Fed Stock	101009				R
5120-00-148-9845	Fed Stock	101479				R
5120-00-149-8336	Fed Stock	200811	20	R	Installing Tool	A
5120-00-153-0045	Fed Stock	101091	16	R	Installing Tweezer	J-1
5120-00-156-6965	Fed Stock	101612	12	F	Removal Tool	E
5120-00-156-9210	Fed Stock	101451	12	R	MIL-C-16482 Installing Tools	E
5120-00-157-3138	Fed Stock	M81969/14-04				AG
5120-00-160-7657	Fed Stock	300408	20	R	Pin Removal Tip	Z
5120-00-165-4088	Fed Stock	860552				H
5120-00-171-2084	Fed Stock	M53344-16				G
5120-00-177-6966	Fed Stock	M527495R20				J
5120-00-177-6967	Fed Stock	M527495A20				J
5120-00-177-7028	Fed Stock	M53323-20				D
5120-00-177-7029	Fed Stock	M53344-23				G
5120-00-177-7095	Fed Stock	M53342-23				C
5120-00-177-7201	Fed Stock	200532	22	R	Removal Tweezer	J-2
5120-00-177-7207	Fed Stock	M517806				H
5120-00-196-6592	Fed Stock	100612	22	F	Removal Tool	H
5120-00-212-3932	Fed Stock	300693	12/16	F	Removal Kit	N
5120-00-223-3722	Fed Stock	782604			Micro-Lead Form Tool I	T
5120-00-230-9337	Fed Stock	500703				U
5120-00-241-5732	Fed Stock	782604			Micro-Lead Form Tool I	T
5120-00-251-9403	Fed Stock					J
5120-00-405-8633	Fed Stock	151601	12	R	Installing Tool	A
5120-00-409-4206	Fed Stock	M527495R16				J
5120-00-409-5202	Fed Stock	780522	22	F	Removal Tool	H
5120-00-409-5204	Fed Stock	M517806				H
5120-00-409-5216	Fed Stock	M527495A16				J
5120-00-409-5217	Fed Stock	200801				A



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
5120-00-410-9854	Fed Stock	881042	16	F	Removal Tool	H
5120-00-419-8535	Fed Stock	M524256B20				A
5120-00-440-0515	Fed Stock	S00852				E
5120-00-450-6917	Fed Stock	301050				
5120-00-497-4906	Fed Stock	301628	12	R	Off-set Tip	Z
5120-00-522-8601	Fed Stock	550972	20	F	Removal Tool	F
5120-00-741-1260	Fed Stock	503022	Coax	F	Removal Tool	E
5120-00-756-5559	Fed Stock	552502	8	R	Coax Removal Tool	E
5120-00-759-8946	Fed Stock	300862				AD
5120-00-765-3688	Fed Stock	300503	16/20	F	Removal Kit	N
5120-00-765-3689	Fed Stock	300901	20	R	Installing Plier	L
5120-00-765-3690	Fed Stock	301001	16	R	Installing Plier	L
5120-00-789-0093	Fed Stock	301388	8	F	Pin Removal Tip	Z
5120-00-808-6397	Fed Stock	301601	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
5120-00-808-6412	Fed Stock	780512	22	F	Removal Tool	H
5120-00-808-6552	Fed Stock	302912	8	F	Removal, Coaxial	E
5120-00-834-9622	Fed Stock	780671	20	R	Installing Tool	A
5120-00-834-9630	Fed Stock	782212	8	F	RG 180/U Coax	E
5120-00-845-7911	Fed Stock	400882	20	F	Rem. Tool	H
5120-00-858-1454	Fed Stock	551282				F
5120-00-858-1455	Fed Stock	550821	20	R	InstallingTool	A
5120-00-859-3745	Fed Stock	552022				F
5120-00-859-9546	Fed Stock	501852	16	F	Removal Tool	E
5120-00-859-9547	Fed Stock	501751	10	R	Installing Tool	D
5120-00-859-9548	Fed Stock	501891	Coax	R	No. 2 Shielded Contact	D
5120-00-869-0728	Fed Stock	201702		F	Pin & Socket Impact Removal	AE
5120-00-875-6680	Fed Stock	781212	16	F	Removal Tool	E
5120-00-875-6686	Fed Stock	780661	20	R	Installing Tool	A
5120-00-875-6687	Fed Stock	780882	20	F	Removal Tool	E
5120-00-875-6689	Fed Stock	302031	Coax	R	10 PT-CE Coaxial Tool-Installing	AB
5120-00-875-7785	Fed Stock	782022				F
5120-00-877-6314	Fed Stock	201601	12	R	Installing Tool	A
5120-00-888-3449	Fed Stock	201111	16	R	InstallingTool	A
5120-00-891-3049	Fed Stock	400671	20	R	Installing Tool	AZ
5120-00-904-3510	Fed Stock	550821	20	R	InstallingTool	A
5120-00-910-4885	Fed Stock	302031	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
5120-00-910-4886	Fed Stock	3022882				F
5120-00-915-4587	Fed Stock	M81969/14-02				AG
5120-00-915-4588	Fed Stock	M81969/14-03				AG
5120-00-916-2316	Fed Stock	550402	22	R	Removal Tool	X
5120-00-928-4419	Fed Stock	502542	Coax	F	Removal Tool	E
5120-00-928-4895	Fed Stock	100941	16	R	Installing Tool	A
5120-00-930-7259	Fed Stock	780522	22	F	Removal Tool	H
5120-00-930-7260	Fed Stock	780272	22	F	Jack Pin Removal Tool	H
5120-00-930-7262	Fed Stock	781021				B



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
5120-00-930-7503	Fed Stock	781042				H
5120-00-930-7504	Fed Stock	100941	16	R	Installing Tool	A
5120-00-935-4497	Fed Stock	201052	12	F	Pin & Socket Removal Tool	I
5120-00-935-4498	Fed Stock	200702	16	F	Pin & Socket Push Out	I
5120-00-941-0683	Fed Stock	602061				A
5120-00-941-5468	Fed Stock	200402	20	F	Pin & Socket Removal Tool	I
5120-00-941-5470	Fed Stock	200702	16	F	Pin & Socket Push Out	I
5120-00-941-5472	Fed Stock	201111	16	R	Installing Tool	A
5120-00-942-7590	Fed Stock	302721	8	R	Installing Pliers Coaxial	AD
5120-00-947-9965	Fed Stock	201561				A
5120-00-948-3683	Fed Stock	760952				AH
5120-00-948-3684	Fed Stock	760402				AH
5120-00-948-3685	Fed Stock	760642				AH
5120-00-949-8361	Fed Stock	302311	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
5120-00-950-9592	Fed Stock	761081				AH
5120-00-950-9593	Fed Stock	761051				AH
5120-00-950-9596	Fed Stock	760972				AH
5120-00-950-9598	Fed Stock	760442				AH
5120-00-950-9602	Fed Stock	760622				
5120-00-954-1265	Fed Stock	SAWG18				
5120-00-954-1272	Fed Stock	SAWG24				
5120-00-956-3768	Fed Stock	761121				AH
5120-00-963-7661	Fed Stock	201882	Coax	F	Pin & Socket Removal	E
5120-00-987-0784	Fed Stock	200622				AE
5120-00-987-0785	Fed Stock	200472	20	F	Impact Removal Pin & Socket	AE
5120-00-987-0786	Fed Stock	200922	12	F	Impact Removal Pin & Socket	AE
5120-00-987-7234	Fed Stock	551912	12	F	Removal Tool	F
5120-00-987-7239	Fed Stock	301281	16	R	Installing Plier	L
5120-00-991-3928	Fed Stock	301451	12	R	Installing Plier	L
5120-01-005-9132	Fed Stock	M527495A16				J
5120-01-010-7215	Fed Stock	M527495R16				J
5120-01-015-7323	Fed Stock	300785	20	R	Unwired Contact Remover	Q
5120-01-021-3180	Fed Stock	860461				W
5120-01-032-4064	Fed Stock					J
5120-01-037-1386	Fed Stock	301555	12	R	Unwired Contact Remover	Q
5120-01-037-1387	Fed Stock	301095	16	R	Unwired Contact Remover	Q
5120-01-037-1388	Fed Stock	300595	22	R	Unwired Contact Remover	Q
5120-01-037-1389	Fed Stock	300505	22D	R	Unwired Contact Remover	Q
5120-01-042-0997	Fed Stock	M590455-16				AB
5120-01-042-8221	Fed Stock	781032	16	F	Removal Tool	E
5120-01-050-7953	Fed Stock					J
5120-01-050-7954	Fed Stock					J
5120-01-053-8868	Fed Stock	300531	22D/M	R	Installing Tweezer	J-1
5120-01-054-4069	Fed Stock	M524256A12				D
5120-01-062-0816	Fed Stock	300512				B



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
5120-01-066-5631	Fed Stock	150802	20	R	Removal Tweezer	J-1
5120-01-066-5632	Fed Stock	150801	20	R	Installing Tool	A
5120-01-088-6574	Fed Stock	151122	16	R	Removal Tweezer	J-1
5120-01-101-1228	Fed Stock	500302				
5120-01-101-1229	Fed Stock	781202				E
5120-01-102-4503	Fed Stock	100941	16	R	Installing Tool	A
5120-01-133-0351	Fed Stock	M53159-22				R
5120-01-133-0366	Fed Stock	M53159-20				R
5120-01-133-0367	Fed Stock	M53159-16				R
5120-01-133-0374	Fed Stock	M53159-12				R
5120-01-137-9140	Fed Stock	M527495A22				J
5120-01-146-6193	Fed Stock	M524256A20				AB
6500-001-12	MATRIX	151601	12	R	Installing Tool	A
6500-001-12	MATRIX	151602	12	R	Removal Tweezer	J-1
6500-001-16	MATRIX	151071	16	R	Installing Tool	A
6500-001-16	MATRIX	151122	16	R	Removal Tweezer	J-1
6500-001-20	MATRIX	150801	20	R	Installing Tool	A
6500-001-20	MATRIX	150802	20	R	Removal Tweezer	J-1
6500-018-0	MATRIX	105652	0	R	Removal Plier	T
6500-018-4	MATRIX	104262	4	R	Removal Plier	T
6500-018-8	MATRIX	102812	8	R	Removal Plier	T
6500-028-12	MATRIX	151612	12	R	Removal Tweezer	J-2
6500-028-16	MATRIX	151132	16	R	Removal Tweezer	J-2
6500-028-20	MATRIX	150812	20	R	Removal Tweezer	J-2
6500-029-12	MATRIX	151602	12	R	Removal Tweezer	J-1
6500-029-16	MATRIX	151122	16	R	Removal Tweezer	J-1
6500-029-20	MATRIX	150802	20	R	Removal Tweezer	J-1
6500-030-12	MATRIX	821601	12	R	Installing Tool NAS 1599	1
6500-030-16	MATRIX	821121	16	R	Installing Tool NAS 1599	X
6500-030-20	MATRIX	820791	20	R	Installing Tool NAS 1599	X
6500-045-20	MATRIX	200711	20	R	Plastic to Metal Equivalent	A
6500-045-20	MATRIX	200762	20	R	Removal Tweezer	J-1
652636	HUGHES	780522	22	F	Removal Tool	H
700-1130-000	FLIGHT CONNECTOR	105182	0	F	Removal Tool	E
700-1262-000	FLIGHT CONNECTOR	105581	0	R	Installing Tool	AB
704-1134-000	FLIGHT CONNECTOR	103362	0	F	Removal Tool	E
704-1260-000	FLIGHT CONNECTOR	103591	4	R	Installing Tool	AB
708-1138-000	FLIGHT CONNECTOR	102522	8	F	Removal Tool	E
708-1258-000	FLIGHT CONNECTOR	102601	8	R	Installing Tool	AB
712-1172-000	FLIGHT CONNECTOR	101622	12	F	Removal Tool	E
712-1229-000	FLIGHT CONNECTOR	101441	12	R	Installing Tool	AB
716-1168-000	FLIGHT CONNECTOR	101152	16	F	Removal Tool	E
716-1227-000	FLIGHT CONNECTOR	101011	16	R	Installing Tool	AB
722698-328	HUGHES	101022	16	F	Removal Tool	H
722698-329	HUGHES	780703			Term ipoint Clip Transfer Tool	



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
722699-224	HUGHES	782604			Micro-Lead Form Tool I	
847-101-COTO-1	G & HTECH	820551	22	R	Installing Tool	X
847-101-COTO-3	G & HTECH	820811	20	R	Installing Tool	X
847-101-COTO-5	G & HTECH	821041	16	R	Installing Tool	X
847-101-COTO-7	G & HTECH	820572	22	R	Removal Tool	X
847-101-COTO-8	G & HTECH	820812	20	R	Removal Tool	X
847-101-COTO-9	G & HTECH	821052	16	R	Removal Tool	X
866-1078-COTO-3	G & HTECH	820481	22	R	Installing & Removal	X
866-1078-COTO-4	G & HTECH	820701	20	R	Installing Tool	X
882-94	G & HTECH	821102	16	R	Removal Tweezer	J-1
885-277-COTO-002	G & HTECH	820782	20	R	Series IV Rem. Breech-lek	J-1
885-277-COTO-003	G & HTECH	821092	16	R	Series IV Rem. Breech-lek	J-1
885-277-COTO-QOI	G & HTECH	820512	22D	R	Series IV Rem. Breech-lek	J-1
90-0001-022	MATRIX	660461	22	R	Installing Tool	X
90-0002-022	MATRIX	660522	22	F	Removing Tool	H
9081	POSITRONICS	901042	16	F	Removal Tool	H
9099	POSITRONICS	100941	16	R	Installing Tool	A
91002-1	AMP	500851	16/20	R	Type 3 Installing Tool	A
91039-1	AMP	100761	20	R	Size Sub Installing tool	A
91039-2	AMP	100861	20	R	M524256 Installing Tool	C
91039-3	AMP	101011	16	R	Installing Tool	AB
91039-4	AMP	101441	12	R	Installing Tool	AB
91039-5	AMP	102601	8	R	Installing Tool	AB
91039-6	AMP	103781	4	R	Installing Tool	AB
91039-7	AMP	105581	0	R	Installing Tool	AB
91040-1	AMP	100702	20	F	Size Sub 20 Removal tool	E
91040-2	AMP	100802	20	F	Removal Tool	E
91040-3	AMP	101152	16	F	Removal Tool	E
91040-4	AMP	101622	12	F	Removal Tool	E
91040-5	AMP	102522	8	F	Removal Tool	E
91040-6	AMP	103362	0	F	Removal Tool	E
91040-7	AMP	105182	0	F	Removal Tool	E
998-062	G & HTECH	820791	20	R	Installing Tool NAS 1599	X
998-063	G & HTECH	820792	20	R	Removal Tool NAS 1599	X
998-102	G & HTECH	821121	16	R	InstallingToolNAS 1599	X
998-103	G & HTECH	821601	12	R	Installing Tool NAS 1599	
998-104	G & HTECH	821901	8	R	InstallingToolNAS 1599	
998-105	G & HTECH	820791	20	R	Installing Tool NAS 1599	X
998-142-001	G & HTECH	823302	Coax	R	Coax Removal	
998-145-001	G & HTECH	820501	22	R	Installing Tweezer	J
998-145-002	G & HTECH	820502	22	R	Removal Tweezer	J
998-145-003	G & HTECH	820761	20	R	Installing Tweezer	J
998-145-004	G & HTECH	820762	20	R	Removal Tweezer	J
998-145-005	G & HTECH	821011	16	R	Installing Tweezer	J
998-145-006	G & HTECH	821012	16	R	Removal Tweezer	J



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
A 305183	ASTRO	501132	16/20	F	Removal Tool	E
A 305183	ASTRO	501132	16/20	F	Removal Tool	E
AT 1000-12	ASTRO	111431				
AT 1000-12-T	ASTRO	111438				
AT 1000-16	ASTRO	110991				
AT 1000-16-T	ASTRO	110998				
AT 1000-20	ASTRO	110851				
AT 1000-20-T	ASTRO	110858				
AT 1012	ASTRO	111441				
AT 1012-T	ASTRO	111448				
AT 1016	ASTRO	111001				
AT 1016-T	ASTRO	111008				
AT 1020	ASTRO	110861				
AT 1020-B	ASTRO	110671				
AT 1020-B-T	ASTRO	110678				
AT 1020-T	ASTRO	110868				
AT 2012	ASTRO	101612	12	F	Removal Tool	E
AT 2012-T	ASTRO	101619				
AT 2016	ASTRO	101142	16	F	MS24256 Removal Tool	E
AT 2016-T	ASTRO	101149				
AT 2020	ASTRO	100802	20	F	Removal Tool Size 16	E
AT 2020-L	ASTRO	940802				
AT 2020-L-T	ASTRO	400809				
AT 2020-T	ASTRO	100809				
AT 2046	ASTRO	100462				
AT 2597	ASTRO	100482	22	R	Tweezer	J-1
AT 2598	ASTRO	100492	22	R	Tweezer	J-2
AT 4000	ASTRO	950461				
AT 4000-T	ASTRO	950468				
AT 4001	ASTRO	110631				
AT 4001-T	ASTRO	110638				
AT 4002	ASTRO	110931				
AT 4002-T	ASTRO	110938				
AT 4003	ASTRO	110641				
AT 4003-T	ASTRO	110648				
AT 4004	ASTRO	110921				
AT 4004-T	ASTRO	110928				
AT 5000	ASTRO	780512	22	F	Removal Tool	H
AT 5000-T	ASTRO	780519				
AT 5001	ASTRO	110892				
AT 5001-T	ASTRO	110899				
AT 5002	ASTRO	111042				
AT 5002-T	ASTRO	111049				
ATA 1033	ASTRO	500331	22	R	Wire Form Pine Sockets	A
ATA 1033-T	ASTRO	500338				

TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATA 1040	ASTRO	500401	22	R	Min-Rac, Reliatac Pins & Sockets	A
ATA 1040-T	ASTRO	500408				
ATA 1050	ASTRO	950501				
ATA 1050-T	ASTRO	950508				
ATA 1051	ASTRO	100511	22	R	Installs Pin & Sockets	P
ATA 1051-T	ASTRO	100518				
ATA 1052	ASTRO	950511				
ATA 1052-S	ASTRO	950521				
ATA 1052-S-T	ASTRO	950528				
ATA 1052-T	ASTRO	950518				
ATA 1075	ASTRO	500751				
ATA 1075-T	ASTRO	500758				
ATA 1079	ASTRO	100811	20	R	Install Pin & Sockets	D
ATA 1079	ASTRO	500791	20	R	Installs Pin & Sockets	A
ATA 1079-T	ASTRO	500798				
ATA 1080	ASTRO	100791				
ATA 1086	ASTRO	100861	20	R	M524256 Installing Tool	C
ATA 1101	ASTRO	101001	16	R	M524256 Installing Tool	C
ATA 1102	ASTRO	111041				
ATA 1102	ASTRO	111042				
ATA 1102-T	ASTRO	111048				
ATA 1104	ASTRO	101041	16	R	Installs Pin & Sockets	D
ATA 1114	ASTRO	501099	16	R	Installing Tip Pin & Socket	P
ATA 1144	ASTRO	101441	12	R	Installing Tool	AB
ATA 1158	ASTRO	101581	12	R	Installs Pins & Sockets	D
ATA 1159	ASTRO	111591				
ATA 1159-S	ASTRO	111581				
ATA 1159-S-T	ASTRO	111588				
ATA 1159-T	ASTRO	111598				
ATA 1175	ASTRO	501751	10	R	Installing Tool	D
ATA 1186	ASTRO	951861				
ATA 1186-T	ASTRO	951868				
ATA 1189	ASTRO	501891	Coax	R	No. 2 Shielded Contact	D
ATA 1234	ASTRO	952341				
ATA 1234-M	ASTRO	952338				
ATA 2026	ASTRO	100262	23	F	Socket Removal	G
ATA 2026-T	ASTRO	100269				
ATA 2029	ASTRO	500292	22	F	Min-Rac-220-501 Socket	A
ATA 2029-T	ASTRO	500299				
ATA 2030	ASTRO	100302	23	F	Pin Removal	C
ATA 2032	ASTRO	100322				
ATA 2032-T	ASTRO	100329				
ATA 2033	ASTRO	500332	22	F	Min-Rac	A-2
ATA 2033-L	ASTRO	500342				
ATA 2033-LT	ASTRO	500349				

TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATA 2033-T	ASTRO	500339				
ATA 2038	ASTRO	100382	20	F	Socket Removal	G
ATA 2038-T	ASTRO	100389				
ATA 2040	ASTRO	500402	22	F	Min-Rac Pins & Sockets	I
ATA 2040-T	ASTRO	500409				
ATA 2042	ASTRO	100422	20	F	Pin Removal	C
ATA 2042	ASTRO	100422	20	F	Pin Removal	C
ATA 2060	ASTRO	100592				
ATA 2060-T	ASTRO	100599				
ATA 2065	ASTRO	100652	16	F	Pin Removal	C
ATA 2073	ASTRO	950732				
ATA 2073-T	ASTRO	950739				
ATA 2079	ASTRO	950792				
ATA 2079-T	ASTRO	950799				
ATA 2085	ASTRO	500852	20	F	Removal Tool	E
ATA 2085-T	ASTRO	500859				
ATA 2093	ASTRO	100932	12	F	Socket Removal	G
ATA 2093-T	ASTRO	100939				
ATA 2112	ASTRO	951122				
ATA 2112-T	ASTRO	951129				
ATA 2120	ASTRO	101202	12	F	Pin Removal	C
ATA 2125	ASTRO	501252	16	F	Removal Tool	E
ATA 2125-T	ASTRO	501259				
ATA 2185	ASTRO	501852	16	F	Removal Tool	E
ATA 2185-T	ASTRO	501859				
ATA 2254	ASTRO	502542	Coax	F	Removal Tool	E
ATA 2254-T	ASTRO	502549				
ATA 2255	ASTRO	502552	Coax	F	No. 2 Shielded Contact	E
ATA 2255-T	ASTRO	502559				
ATA 2348-12	ASTRO	950932				
ATA 2348-12-T	ASTRO	950939				
ATA 2348-16	ASTRO	950602				
ATA 2348-16-T	ASTRO	950609				
ATA 2348-20	ASTRO	950402				
ATA 2348-20-T	ASTRO	950409				
ATA 2348-22	ASTRO	950302				
ATA 2348-22-T	ASTRO	950309				
ATA 2348-222	ASTRO	950292				
ATA 2348-222-T	ASTRO	950299				
ATA 3032	ASTRO	500323				
ATA 3035	ASTRO	500603				
ATA 3050	ASTRO	500503	16/20	R	Collet, Double-Ended Tool	I
ATA 3050-T	ASTRO	500509				
ATA 3069	ASTRO	500693	16	F/R	Insertion & Removal Kit	P
ATA 3095	ASTRO	500933				

TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATA 3120	ASTRO	951203				
ATA 3482	ASTRO	950603				
ATA 3482-T	ASTRO	950608				
ATAMP 1056	ASTRO	500561				
ATAMP 1056-T	ASTRO	500568				
ATAMP 1085	ASTRO	500851	16/20	R	Type 3 Installing Tool	A
ATAMP 1085-T	ASTRO	500858				
ATAMP 1231	ASTRO	952311				
ATAMP 1231-T	ASTRO	952318				
ATAMP 2071	ASTRO	500712				
ATAMP 2103	ASTRO	501032	20	F	Removal Tool	E
ATAMP 2103-T	ASTRO	501039				
ATAMP 2250	ASTRO	502502				
ATAMP 2302	ASTRO	503022	Coax	F	Removal Tool	E
ATAMP 2302-T	ASTRO	503029				
ATAMP 3070	ASTRO	780703			Term ipoint Clip Transfer Tool	
ATB 1064	ASTRO	100671				
ATB 1066	ASTRO	400661				
ATB 1066-T	ASTRO	400668				
ATB 1067	ASTRO	400671	20	R	Installing Tool	AZ
ATB 1067-R	ASTRO	400709	20	R	Tip for RTM 20-5	C
ATB 1067-T	ASTRO	400678				
ATB 1068	ASTRO	110681				
ATB 1068-T	ASTRO	110688				
ATB 2053	ASTRO	400532				
ATB 2070	ASTRO	400702				
ATB 2080	ASTRO	400802	20	F	MIL-C-26636 Rem. Tool	E
ATB 2080-T	ASTRO	400809				
ATB 2088	ASTRO	400882	20	F	Removal Tool	
ATB 2088-T	ASTRO	400889				
ATB 2089	ASTRO	400892				
ATB 2089-T	ASTRO	400899				
ATB 2114	ASTRO	401142	16	F	MIL-G-26636 Rem. Tool	E
ATB 2114-T	ASTRO	401149				
ATB 3062-2	ASTRO	400614	22	R	Installing Removal Tool YHMM-22-1 Pins	
ATB 3062-4	ASTRO	400644	22	R	Installing Removal Tool YHMM-22-1 Pins	
ATBL 1050	ASTRO	310501				
ATBL 1051	ASTRO	310511				
ATBL 1051-T	ASTRO	310518				
ATBL 1060	ASTRO	310601				
ATBL 1061	ASTRO	310611				
ATBL 1061-T	ASTRO	310618				
ATBL 1078	ASTRO	310781				
ATBL 1079	ASTRO	310791				
ATBL 1079-T	ASTRO	310798				

TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATBL 1109	ASTRO	311091				
ATBL 1110	ASTRO	301081				
ATBL 1110-T	ASTRO	301088				
ATBL 1160	ASTRO	311601				
ATBL 1161	ASTRO	311611				
ATBL 1161-T	ASTRO	311618				
ATBL 2050	ASTRO	310502				
ATBL 2060	ASTRO	310602				
ATBL 2078	ASTRO	310782				
ATBL 2109	ASTRO	311092				
ATBX 1-7082	ASTRO	301451	12	R	Installing Plier	L
ATBX 1-6781	ASTRO	301001	16	R	Installing Plier	L
ATBX 1-6782	ASTRO	300901	20	R	Installing Plier	L
ATBX 1-7082	ASTRO	301451	12	R	Installing Plier	L
ATBX 1-7345	ASTRO	301281	16	R	Installing Plier	L
ATBX 1-7736	ASTRO	301291	16	R	Installing Plier	M
ATBX 1-7763	ASTRO	301441	12	R	Installing Plier	M
ATBX 1-8107-16	ASTRO	301011	16	R	Installing Plier	L
ATBX 1-8107-20	ASTRO	300861	20	R	Installing Plier	L
ATBX 1-8220	ASTRO	302721	8	R	Installing Plier - Coaxial	AD
ATBX 1023-T	ASTRO	302038	4	F	Socket Removal Tip	Z
ATBX 1028	ASTRO	320281				
ATBX 1028-T	ASTRO	320288				
ATBX 1046	ASTRO	320461				
ATBX 1046-135	ASTRO	320471				
ATBX 1046-90	ASTRO	320451				
ATBX 1048	ASTRO	100501	22D/M	R	Installing Tweezer	J-1
ATBX 1049	ASTRO	320491				
ATBX 1049-135	ASTRO	320541				
ATBX 1049-135-T	ASTRO	320548				
ATBX 1049-90	ASTRO	320501				
ATBX 1049-90-T	ASTRO	320508				
ATBX 1049-S	ASTRO	320481				
ATBX 1049-S-T	ASTRO	320488				
ATBX 1049-T	ASTRO	320498				
ATBX 1051	ASTRO	320511				
ATBX 1052	ASTRO	320521				
ATBX 1052-T	ASTRO	320528				
ATBX 1053	ASTRO	320531				
ATBX 1054	ASTRO	300501	22D/M	R	Straight Installing Tweezer	J-2
ATBX 1055	ASTRO	320551				
ATBX 1055-S	ASTRO	320561				
ATBX 1055-T	ASTRO	320558				
ATBX 1057	ASTRO	320571				
ATBX 1058	ASTRO	100601	22	R	Installing Tweezer	J-1

TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATBX 1059	ASTRO	320591				
ATBX 1059-S	ASTRO	320601				
ATBX 1060	ASTRO	300601	22	R	Straight Installing Tweezer	J-2
ATBX 1070	ASTRO	320701				
ATBX 1071	ASTRO	320711				
ATBX 1071-T	ASTRO	320718				
ATBX 1072	ASTRO	100781	20	R	Installing Tweezer	J-1
ATBX 1073	ASTRO	320731				
ATBX 1073-5	ASTRO	320721				
ATBX 1073-S-T	ASTRO	320728				
ATBX 1073-T	ASTRO	320738				
ATBX 1075	ASTRO	320751				
ATBX 1078	ASTRO	300781	20	R	Straight Installing Tweezer	J-2
ATBX 1079	ASTRO	320791				
ATBX 11-6784	ASTRO	300398	20	R	Socket RemovalTip	Z
ATBX 1103	ASTRO	321031				
ATBX 1103-90	ASTRO	321041				
ATBX 1107	ASTRO	321071				
ATBX 1107-S	ASTRO	321081				
ATBX 1107-S-T	ASTRO	321088				
ATBX 1107-T	ASTRO	321078				
ATBX 1108	ASTRO	101091	16	R	Installing Tweezer	J-1
ATBX 1109	ASTRO	301091	16	R	Straight Installing Tweezer	J-2
ATBX 1133	ASTRO	301331	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
ATBX 1133-T	ASTRO	301338				
ATBX 1154	ASTRO	321541				
ATBX 1154-90	ASTRO	321551				
ATBX 1154-90-T	ASTRO	321558				
ATBX 1154-T	ASTRO	321548				
ATBX 1157	ASTRO	101601	12	R	Installing Tweezer	J-1
ATBX 1159	ASTRO	321591				
ATBX 1160	ASTRO	301601	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
ATBX 1160-T	ASTRO	301608				
ATBX 1203	ASTRO	302031	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
ATBX 1231	ASTRO	302311	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
ATBX 1231-T	ASTRO	302318				
ATBX 1253	ASTRO	302531	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
ATBX 1253-T	ASTRO	302538				
ATBX 2-3695	ASTRO	300693	12/16	F	Removal Kit	N
ATBX 2-3696	ASTRO	300608	12	F	Pin Removal Tip	Z
ATBX 2-3697	ASTRO	300618	16	F	Pin Removal Tip	Z
ATBX 2-3698	ASTRO	300628	12/16	F	Socket Removal Tip	Z
ATBX 2-6783	ASTRO	300408	20	R	Pin Removal Tip	Z
ATBX 2-6784	ASTRO	300398	20	R	Pin Removal Tip	Z
ATBX 2-6900	ASTRO	300503	16/20	F	Removal Kit	N

TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATBX 2-7260	ASTRO	300793	12/16/20	F	Removal Kit	N
ATBX 2-8250	ASTRO	300723	8-12-16	F	Removal Kit	N
ATBX 2-8251	ASTRO	301408	8	F	Socket Removal Tip	Z
ATBX 2-8252	ASTRO	301388	8	F	Pin Removal Tip	Z
ATBX 2-8475	ASTRO	301383	12-16	F	Removal Kit	N
ATBX 2046	ASTRO	100502	22D/M	R	Removal Tweezer	J-1
ATBX 2047	ASTRO	300462				
ATBX 2048	ASTRO	110482				
ATBX 2048-S	ASTRO	110472				
ATBX 2050	ASTRO	300502	22D/M	R	Straight Removal Tweezer	J-2
ATBX 2052	ASTRO	300522				
ATBX 2057	ASTRO	100602	16	F	Socket Removal	G
ATBX 2057-S	ASTRO	300592	22	R	Straight Removal Tweezer	J-2
ATBX 2058	ASTRO	300582				
ATBX 2058-S	ASTRO	300572				
ATBX 2059	ASTRO	300592	22	R	Straight Removal Tweezer	J-2
ATBX 2070	ASTRO	100782	20	F	MS24256 Removal Tool	E
ATBX 2071	ASTRO	300712				
ATBX 2073	ASTRO	300782	20	R	Straight Removal Tweezer	J-2
ATBX 2075	ASTRO	320752				
ATBX 2103	ASTRO	101092	16	R	Removal Tweezer	J-1
ATBX 2109	ASTRO	301092	16	R	Straight Removal Tweezer	J-2
ATBX 2155	ASTRO	101602	12	R	Removal Tweezer	J-2
ATBX 2160	ASTRO	301602	12	R	Straight Removal Tweezer	J-2
ATBX 2277	ASTRO	302772				
ATBX 2288	ASTRO	302882	8	R	Removal; Coaxial	E
ATBX 2288-T	ASTRO	302889				
ATBX 2291	ASTRO	302912	8	F	Removal -Coaxial	E
ATBX 2291-T	ASTRO	302918				
ATBX 3-6147-1	ASTRO	309994			Connector Pliers	
ATBX 3050	ASTRO	320503				
ATBX 3050-T	ASTRO	320509				
ATC 1032	ASTRO	200321		R	Installing Tweezer	J-2
ATC 1046	ASTRO	200461	22	R	Installing Tool	J-1
ATC 1052	ASTRO	200521	22	R	Installing Tool	A
ATC 1052-T	ASTRO	200528				
ATC 1053	ASTRO	200531	22	R	Installing Tool	A
ATC 1053-T	ASTRO	200538				
ATC 1054	ASTRO	200541	22	R	Installing Tool	A
ATC 1054-S	ASTRO	200561				
ATC 1054-S-T	ASTRO	200568				
ATC 1054-T	ASTRO	200548				
ATC 1055	ASTRO	200551	20	R	Installing Tool	A
ATC 1055-T	ASTRO	200558				
ATC 1071	ASTRO	200711	20	R	Plastic to Metal Equivalent	A



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATC 1071-T	ASTRO	200718				
ATC 1072	ASTRO	200721	20	R	InstallingTool	A
ATC 1072-T	ASTRO	200728				
ATC 1076-L	ASTRO	200771				
ATC 1079	ASTRO	200791	20	R	Installing Tool	A
ATC 1079-T	ASTRO	200798				
ATC 1080	ASTRO	200801				
ATC 1080-T	ASTRO	200808				
ATC 1081	ASTRO	200811	20	R	InstallingTool	A
ATC 1081-T	ASTRO	200818				
ATC 1084	ASTRO	200841	20	R	Installing Tool	A
ATC 1084-T	ASTRO	200848				
ATC 1111	ASTRO	201111	16	R	InstallingTool	A
ATC 1111-1	ASTRO	201131	16	R	Installing Tool	A
ATC 1111-1-T	ASTRO	201138				
ATC 1111-T	ASTRO	201118				
ATC 1112	ASTRO	201121	16	R	Installing Tool	A
ATC 1112-T	ASTRO	201128				
ATC 1156	ASTRO	201871	Coax	F	Coax DP*m Inst. Tool	A
ATC 1156-M	ASTRO	201861				
ATC 1156-M-T	ASTRO	201868				
ATC 1156-T	ASTRO	201878				
ATC 1160	ASTRO	201601	12	R	Installing Tool	A
ATC 1160-T	ASTRO	201608				
ATC 1265	ASTRO	202651	8	R	Installing Tool	A
ATC 1265-T	ASTRO	202658				
ATC 1377	ASTRO	203771	4	R	Installing Tool	A
ATC 1377-T	ASTRO	203778				
ATC 2025	ASTRO	200262		F	Tuning Fork, Removal	K
ATC 2025-T	ASTRO	200269				
ATC 2026	ASTRO	200262		F	Tuning Fork, Removal	K
ATC 2035	ASTRO	200352	22	F	Removal Centi-Lok Pins	A
ATC 2035-T	ASTRO	200359				
ATC 2036	ASTRO	200362	22	F	Removal Centi-Lok Socket	A
ATC 2036-T	ASTRO	200369				
ATC 2040	ASTRO	200402	20	F	Pin & Socket Removal Tool	I
ATC 2040-L	ASTRO	200412	20	F	Pin & Socket Push Out	I
ATC 2040-L-T	ASTRO	200419				
ATC 2040-T	ASTRO	200409				
ATC 2046	ASTRO	200462	20	F	Pin & Socket Push Out	I
ATC 2046-L	ASTRO	200472	20	F	Impact Removal Pin & Socket	AE
ATC 2046-L-T	ASTRO	200479				
ATC 2046-T	ASTRO	200469				
ATC 2052	ASTRO	200522				
ATC 2053	ASTRO	200532	22	R	Removal Tweezer	J-2



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATC 2053-70	ASTRO	200542				
ATC 2062	ASTRO	200622				
ATC 2070	ASTRO	200702	16	F	Pin & Socket Push Out	I
ATC 2070-T	ASTRO	200709				
ATC 2071	ASTRO	200712	20	R	Removal Tweezer	J-1
ATC 2073	ASTRO	200732	20	R	Removal Tweezer	J-1
ATC 2076	ASTRO	200762	20	R	Removal Tweezer	J-1
ATC 2076-LS	ASTRO	200742				
ATC 2092	ASTRO	200922	12	F	Impact Removal Pin & Socket	AE
ATC 2105	ASTRO	201052	12	F	Pin & Socket Removal Tool	I
ATC 2105-T	ASTRO	201059				
ATC 2136	ASTRO	201362	16	R	Removal Tweezer	J-1
ATC 2150	ASTRO	201502	8	F	Pin & Socket Removal	I
ATC 2150-T	ASTRO	201509				
ATC 2160	ASTRO	151602	12	R	Removal Tweezer	J-1
ATC 2170	ASTRO	201702		F	Pin & Socket Impact Removal	AE
ATC 2184	ASTRO	201842	12	R	Removal Tweezer	J-1
ATC 2188	ASTRO	201882	Coax	F	Pin & Socket Removal	E
ATC 2188-T	ASTRO	201889				
ATC 2200	ASTRO	202002	Coax	F	Pin & Socket Impact Removal	AE
ATC 2234	ASTRO	202342	4	F	Pin & Socket Removal	I
ATC 2234-T	ASTRO	202349				
ATC 2276	ASTRO	202762		F	Pin & Socket Impact Removal	E
ATC 2276-T	ASTRO	202769				
ATC 2281	ASTRO	102812	8	R	Removal Plier	T
ATC 2426	ASTRO	104262	4	R	Removal Plier	T
ATC 2565	ASTRO	105652	0	R	Removal Plier	T
ATC 3035	ASTRO	200353				
ATC 3050	ASTRO	200503				
ATC 3050-T	ASTRO	200508				
ATC 3074	ASTRO	950743				
ATC 3075	ASTRO	950753				
ATC 3076	ASTRO	950763				
ATC 3077	ASTRO	950773				
ATC 3078	ASTRO	950783				
ATC 3079	ASTRO	950793				
ATC 3079-T	ASTRO	950798				
ATC 3080	ASTRO	950803				
ATC 3080-T	ASTRO	950808				
ATC 3081	ASTRO	950813				
ATC 3081-T	ASTRO	950818				
ATC 3082	ASTRO	950823				
ATC 3082-T	ASTRO	950828				
ATC 3083	ASTRO	950833				
ATC 3083-T	ASTRO	950838				



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATC 3084	ASTRO	950843				
ATC 3084-T	ASTRO	950848				
ATC 3085	ASTRO	950853				
ATC 3085-T	ASTRO	950858				
ATC 3086	ASTRO	950863				
ATC 3086-T	ASTRO	950868				
ATC 3087	ASTRO	950873				
ATC 3087-T	ASTRO	950878				
ATC 3088	ASTRO	950883				
ATC 3088-T	ASTRO	950888				
ATC 3090	ASTRO	950903				
ATC 3090-T	ASTRO	950908				
ATC 3091	ASTRO	950913				
ATC 3091-T	ASTRO	950918				
ATCK 3128	ASTRO	951283				
ATCL 2061	ASTRO	100612	22	F	Removal Tool	H
ATCL 2061-T	ASTRO	100619				
ATCO 2061	ASTRO	110612				
ATCO 2061-T	ASTRO	110619				
ATCS 1105	ASTRO	201051	20	R	Installing Tool Sure-Seal	A
ATCS 1105-T	ASTRO	201058				
ATD 1035	ASTRO	550351				
ATD 1035-135	ASTRO	550341				
ATD 1035-135-T	ASTRO	550348				
ATD 1035-T	ASTRO	550358				
ATD 1036	ASTRO	550361				
ATD 1036-T	ASTRO	550368				
ATD 1049	ASTRO	550481				
ATD 1049-T	ASTRO	550488				
ATD 1061	ASTRO	550611				
ATD 1061-T	ASTRO	550618				
ATD 1081	ASTRO	550821	20	R	InstallingTool	A
ATD 1081-S	ASTRO	550811				
ATD 1081-S-T	ASTRO	550818				
ATD 1081-T	ASTRO	550828				
ATD 1094	ASTRO	550941				
ATD 1094-T	ASTRO	550948				
ATD 1206	ASTRO	552061	8	R	Installing Tool	A
ATD 2040	ASTRO	550402	22	R	Removal Tool	X
ATD 2040-T	ASTRO	550409				
ATD 2044	ASTRO	100442				
ATD 2044-T	ASTRO	100449				
ATD 2047	ASTRO	550472				
ATD 2048	ASTRO	550482				
ATD 2048-T	ASTRO	550489				



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATD 2058	ASTRO	100582				
ATD 2058-T	ASTRO	100589				
ATD 2062	ASTRO	550622				
ATD 2090	ASTRO	100902				
ATD 2090-T	ASTRO	100909				
ATD 2094	ASTRO	550942				
ATD 2095	ASTRO	550962				
ATD 2095-T	ASTRO	550969				
ATD 2097	ASTRO	550972	20	F	Removal Tool	F
ATD 2097-T	ASTRO	550979				
ATD 2127	ASTRO	551272	16	F	Removal Tool	F
ATD 2127-T	ASTRO	551279				
ATD 2128	ASTRO	551282				
ATD 2128-T	ASTRO	551289				
ATD 2150	ASTRO	101502				
ATD 2150-T	ASTRO	101509				
ATD 2188	ASTRO	551882				
ATD 2188-T	ASTRO	551889				
ATD 2190	ASTRO	551902				
ATD 2190-T	ASTRO	551909				
ATD 2191	ASTRO	551912	12	F	Removal Tool	F
ATD 2191-T	ASTRO	551919				
ATD 2250	ASTRO	552502	8	R	Coax Removal Tool	E
ATD 2250-T	ASTRO	552509				
ATDL 2050	ASTRO	110492				
ATDL 2050-70	ASTRO	110502				
ATE 2057	ASTRO	480572	20	F	Removal Tool	H
ATE 2057-T	ASTRO	480579				
ATF 1101	ASTRO	101011	16	R	Installing Tool	AB
ATF 1105	ASTRO	111011				
ATF 1105-T	ASTRO	111018				
ATF 1144	ASTRO	101441	12	R	Installing Tool	AB
ATF 1160	ASTRO	111601				
ATF 1256	ASTRO	112561				
ATF 1260	ASTRO	102601	8	R	Installing Tool	AB
ATF 1359	ASTRO	113591				
ATF 1359-T	ASTRO	113598				
ATF 1378	ASTRO	103781	4	R	Installing Tool	AB
ATF 1554	ASTRO	115541				
ATF 1554-T	ASTRO	115548				
ATF 1558	ASTRO	105581	0	R	Installing Tool	AB
ATF 2115	ASTRO	101152	16	F	Removal Tool	E
ATF 2115-T	ASTRO	951159				
ATF 2162	ASTRO	101622	12	F	Removal Tool	E
ATF 2162-T	ASTRO	101629				



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATF 2252	ASTRO	102522	8	F	Removal Tool	E
ATF 2252-T	ASTRO	102529				
ATF 2336	ASTRO	103362	0	F	Removal Tool	E
ATF 2336-T	ASTRO	953369				
ATF 2518	ASTRO	105182	0	F	Removal Tool	E
ATF 2518-T	ASTRO	955189				
ATG 2103	ASTRO	901042	16	F	Removal Tool	H
ATG 2103-T	ASTRO	901049				
ATGH 1048	ASTRO	820481	22	R	Installing & Removal	X
ATGH 1048-T	ASTRO	820488				
ATGH 1050	ASTRO	820501	22	R	Installing Tweezer	J-1
ATGH 1055	ASTRO	820551	22	R	Installing Tool	X
ATGH 1055-T	ASTRO	820558				
ATGH 1070	ASTRO	820701	20	R	Installing Tool	X
ATGH 1070-T	ASTRO	820708				
ATGH 1071	ASTRO	820711				
ATGH 1071-T	ASTRO	820718				
ATGH 1076	ASTRO	820761	20	R	Installing Tweezer	J
ATGH 1077	ASTRO	820778				
ATGH 1079	ASTRO	820791	20	R	Installing Tool NAS 1599	X
ATGH 1079-T	ASTRO	820798				
ATGH 1081	ASTRO	820811	20	R	Installing Tool	X
ATGH 1081-T	ASTRO	820818				
ATGH 1101	ASTRO	821011	16	R	Installing Tweezer	J-1
ATGH 1104	ASTRO	821041	16	R	Installing Tool	X
ATGH 1104-T	ASTRO	821048				
ATGH 1109	ASTRO	821091				
ATGH 1110	ASTRO	821102	16	R	Removal Tweezer	J-1
ATGH 1112	ASTRO	821121	16	R	Installing Tool NAS 1599	X
ATGH 1112-T	ASTRO	821128				
ATGH 1160	ASTRO	821601	12	R	Installing Tool NAS 1599	
ATGH 1160-T	ASTRO	821608				
ATGH 1190	ASTRO	821901	8	R	Installing Tool NAS 1599	
ATGH 1190-T	ASTRO	821908				
ATGH 2049	ASTRO	820492				
ATGH 2051	ASTRO	820512	22D	R	Series IV Removal Breech-lek	J-1
ATGH 2052	ASTRO	820502	22	R	Removal Tweezer	J
ATGH 2053	ASTRO	820532				
ATGH 2054	ASTRO	820542				
ATGH 2057	ASTRO	820572	22	R	Removal Tool	X
ATGH 2057-T	ASTRO	820579				
ATGH 2060	ASTRO	820602				
ATGH 2074	ASTRO	820742				
ATGH 2075	ASTRO	820752				
ATGH 2076	ASTRO	820762	20	R	Removal Tweezer	J



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATGH 2077	ASTRO	820772				
ATGH 2078	ASTRO	820782	20	R	Series IV Rem. Breech-lek	J-1
ATGH 2079	ASTRO	820792	20	R	Removal Tool NAS 1599	X
ATGH 2079-T	ASTRO	820799				
ATGH 2080	ASTRO	820802				
ATGH 2081	ASTRO	820812	20	R	Removal Tool	X
ATGH 2081-T	ASTRO	820819				
ATGH 2101	ASTRO	821012	16	R	Removal Tweezer	J
ATGH 2103	ASTRO	821032				
ATGH 2104	ASTRO	821042				
ATGH 2105	ASTRO	821052	16	R	Removal Tool	X
ATGH 2105-T	ASTRO	821059				
ATGH 2108	ASTRO	821082				
ATGH 2109	ASTRO	821092	16	R	Series IV Rem. Breech-lek	J-1
ATGH 2110	ASTRO	821102	16	R	Removal Tweezer	J-1
ATGH 2111	ASTRO	821112				
ATGH 2160	ASTRO	821602				
ATGH 2330	ASTRO	823302	Co ax	R	Coax Removal	
ATGH 2330-T	ASTRO	823309				
ATGH 2366	ASTRO	823662				
ATGH 2531	ASTRO	825312				
ATH 1031	ASTRO	950311				
ATH 1031-T	ASTRO	950318				
ATH 1033	ASTRO	950331				
ATH 1033-T	ASTRO	950338				
ATH 1046	ASTRO	950451				
ATH 1046-T	ASTRO	950458				
ATH 1050	ASTRO	780501	22D	R	Installing Tweezer	J-1
ATH 1050-70	ASTRO	780511				
ATH 1052	ASTRO	780521	22	R	Installing Tool	A
ATH 1052-T	ASTRO	780528				
ATH 1053	ASTRO	780531	22D	R	Installing Tweezer	J-1
ATH 1054	ASTRO	780541				
ATH 1054-T	ASTRO	780548				
ATH 1067	ASTRO	780661	20	R	Installing Tool	A
ATH 1067-T	ASTRO	780668				
ATH 1094	ASTRO	110941				
ATH 1094-T	ASTRO	110948				
ATH 1102	ASTRO	781021				
ATH 1102-T	ASTRO	781028				
ATH 1105	ASTRO	781051	16	R	Installing Tool	A
ATH 2027	ASTRO	780272	22	F	Jack Pin Rem. Tool	H
ATH 2027-T	ASTRO	780279				
ATH 2050	ASTRO	780502	22D	R	Removal Tweezer	J-1
ATH 2052	ASTRO	780522	22	F	Removal Tool	H



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATH 2052	ASTRO	780526				
ATH 2052-T	ASTRO	780529				
ATH 2053	ASTRO	780532	22D	R	Removal Tweezer	J-1
ATH 2088	ASTRO	780882	20	F	Removal Tool	E
ATH 2088-T	ASTRO	780889				
ATH 2089	ASTRO	780892	20	F	Removal Tool	H
ATH 2089-T	ASTRO	780899				
ATH 2102	ASTRO	101042	16	F	Removal Tool	H
ATH 2102-T	ASTRO	101049				
ATH 2103	ASTRO	781032	16	F	Removal Tool	E
ATH 2103-T	ASTRO	781039				
ATH 2120	ASTRO	781202				
ATH 2120-T	ASTRO	781209				
ATH 2121	ASTRO	781212	16	F	Removal Tool	E
ATH 2121-T	ASTRO	781219				
ATH 2202	ASTRO	402022	8	F	Coax. Rem. Tool	E
ATH 2202-T	ASTRO	402029				
ATH 2206	ASTRO	782062	8	F	RG 195/U Coax	E
ATH 2206-T	ASTRO	782069				
ATH 2221	ASTRO	782212	8	F	RG 180/U Coax	E
ATH 2221-T	ASTRO	782219				
ATH 3037-12	ASTRO	780371				
ATH 3037-18	ASTRO	780381				
ATH 3260	ASTRO	782614				
ATH 3261	ASTRO	782824				
ATH 3262	ASTRO	782624				
ATH 3263	ASTRO	782634				
ATIR 1610	ASTRO	100482	22	R	Metal Tweezer	J-1
ATIR 1610-L	ASTRO	110462				
ATIR 1883	ASTRO	100472				
ATIR 1886	ASTRO	110452				
ATJ 2076	ASTRO	950762				
ATK 1130	ASTRO	101203				
ATK 2115	ASTRO	101153	12-16-20	R	Unwired Removal Kit	R
ATK 2120	ASTRO	111203				
ATL 1105-T	ASTRO	761051				
ATL 1112	ASTRO	761121				
ATL 1154	ASTRO	761541				
ATL 2040	ASTRO	760402				
ATL 2044	ASTRO	760442				
ATL 2062	ASTRO	760622				
ATL 2064	ASTRO	760642				
ATL 2095	ASTRO	760952				
ATL 2097	ASTRO	760972				
ATM 1046	ASTRO	660461	22	R	Installing Tool	X



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATM 1046-135	ASTRO	660471				
ATM 1046-135-T	ASTRO	660478				
ATM 1046-T	ASTRO	660468				
ATM 1050	ASTRO	660501				
ATM 1050-T	ASTRO	660508				
ATM 2052	ASTRO	660522	22	F	Removing Tool	H
ATM 2052-T	ASTRO	660529				
ATMD 2080	ASTRO	880802				
ATMD 2080-T	ASTRO	880809				
ATML 0201B	ASTRO	100511	22	R	Installs Pin & Sockets	P
ATML 0202B	ASTRO	100791				
ATML 0203B	ASTRO	101041	16	R	Installs Pin & Sockets	D
ATML 0204B	ASTRO	101581	12	R	Installs Pins & Sockets	D
ATML 0301B	ASTRO	100262	23	F	Socket Removal	G
ATML 0302B	ASTRO	100382	20	F	Socket Removal	G
ATML 0303B	ASTRO	100592				
ATML 0304B	ASTRO	100932	12	F	Socket Removal	G
ATML 0305B	ASTRO	100302	23	F	Pin Removal	C
ATML 0306B	ASTRO	100422	20	F	Pin Removal	C
ATML 0307B	ASTRO	100652	16	F	Pin Removal	C
ATML 0308B	ASTRO	101202	12	F	Pin Removal	C
ATML 0801B	ASTRO	100501	22D/M	R	Installing Tweezer	J-1
ATML 0802B	ASTRO	100502	22D/M	R	Removal Tweezer	J-1
ATML 0803B	ASTRO	100601	22	R	Installing Tweezer	J-1
ATML 0804B	ASTRO	100602	16	F	Socket Removal	G
ATML 0805B	ASTRO	100781	20	R	Installing Tweezer	J-1
ATML 0806B	ASTRO	100782	20	F	MS24256 Removal Tool	E
ATML 0807B	ASTRO	101091	16	R	Installing Tweezer	J-1
ATML 0808B	ASTRO	101092	16	R	Removal Tweezer	J-1
ATML 0809B	ASTRO	101601	12	R	Installing Tweezer	J-1
ATML 0810B	ASTRO	100602	16	F	Socket Removal	G
ATML 1201	ASTRO	100492	22	R	Metal Tweezer	J-2
ATML 1202	ASTRO	100482	22	R	Metal Tweezer	J-1
ATML 1501	ASTRO	102812	8	R	Removal Plier	T
ATML 1502	ASTRO	104262	4	R	Removal Plier	T
ATML 1503	ASTRO	105652	0	R	Removal Plier	T
ATML 1701	ASTRO	101011	16	R	Installing Tool	AB
ATML 1702	ASTRO	101441	12	R	Installing Tool	AB
ATML 1703	ASTRO	100861	20	R	M524256 Installing Tool	C
ATML 1704	ASTRO	101001	16	R	M524256 Installing Tool	C
ATML 1705	ASTRO	101451	12	R	MIL-C-16482 Installing Tools	E
ATML 1706	ASTRO	102601	8	R	Installing Tool	AB
ATML 1707	ASTRO	103781	4	R	Installing Tool	AB
ATML 1708	ASTRO	105581	0	R	Installing Tool	AB
ATML 1801	ASTRO	100941	16	R	Installing Tool	A



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATML 1802	ASTRO	100551				
ATML 1901	ASTRO	101152	16	F	Removal Tool	E
ATML 1902	ASTRO	101622	12	F	Removal Tool	E
ATML 1903	ASTRO	102522	8	F	Removal Tool	E
ATML 1904	ASTRO	103362	0	F	Removal Tool	E
ATML 1905	ASTRO	105182	0	F	Removal Tool	E
ATML 1906	ASTRO	400802	20	F	MIL-C-26636 Rem. Tool	E
ATML 1907	ASTRO	100802	20	F	Removal Tool Size 16	E
ATML 1908	ASTRO	101142	16	F	MS24256 Removal Tool	E
ATML 1909	ASTRO	101612	12	F	Removal Tool	E
ATML 2001	ASTRO	101042	16	F	Removal Tool	H
ATML 2002	ASTRO	100612	22	F	Removal Tool	H
ATML 2701	ASTRO	107532				
ATML 2702	ASTRO	106592				
ATML 2703	ASTRO	105212				
ATML 2704	ASTRO	104252				
ATML 2705	ASTRO	103392				
ATML 2706	ASTRO	103172				
ATML 3001	ASTRO	100442				
ATML 3002	ASTRO	100582				
ATML 3003	ASTRO	100902				
ATML 3004	ASTRO	101502				
ATML 3005	ASTRO	100722				
ATML 3006	ASTRO	101002				
ATML 3007	ASTRO	101472				
ATML 3301	ASTRO	100771	20	R	Installing Tool	A
ATML 3302	ASTRO	100761	20	R	Size Sub Insertion tool	A
ATML 3401	ASTRO	100702	20	F	Size Sub 20 Removal tool	E
ATMO 2080	ASTRO	880802				
ATMO 2080-T	ASTRO	880809				
ATMO 2081	ASTRO	880812	20	F	RemovalTool	E
ATMO 2081-T	ASTRO	880819				
ATMO 2124	ASTRO	881242	16	F	RemovalTool	E
ATMO 2124-T	ASTRO	881249				
ATMS 2050	ASTRO	110512				
ATMS 2062	ASTRO	950622				
ATMS 2062-T	ASTRO	950629				
ATMS 2073	ASTRO	100722				
ATMS 2073-T	ASTRO	100729				
ATMS 2101	ASTRO	111032	16	R	Unwired Removal Tool	R
ATMS 2101-T	ASTRO	101009				
ATMS 2148	ASTRO	101472				
ATMS 2148-T	ASTRO	101479				
ATMS 90562-1	ASTRO	107532				
ATMS 90562-2	ASTRO	106592				



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATMS 90562-3	ASTRO	105212				
ATMS 90562-4	ASTRO	104252				
ATMS 90562-5	ASTRO	103392				
ATMS 90562-6	ASTRO	103172				
ATR 1078	ASTRO	150781				
ATR 1079	ASTRO	150791				
ATR 1080	ASTRO	150801	20	R	Installing Tool	A
ATR 1080-135	ASTRO	150821				
ATR 1080-135-T	ASTRO	150828				
ATR 1080-S	ASTRO	150811				
ATR 1080-S-T	ASTRO	150818				
ATR 1080-T	ASTRO	150808				
ATR 1081	ASTRO	150831				
ATR 1081-T	ASTRO	150838				
ATR 1105	ASTRO	151051				
ATR 1106	ASTRO	151061				
ATR 1107	ASTRO	151071	16	R		A
ATR 1107-135	ASTRO	151081				
ATR 1107-135-T	ASTRO	151088				
ATR 1107-T	ASTRO	151078				
ATR 1153	ASTRO	151531				
ATR 1157	ASTRO	151571				
ATR 1160	ASTRO	151601	12	R	Installing Tool	A
ATR 1160-135	ASTRO	151611				
ATR 1160-135-T	ASTRO	151618				
ATR 1160-S	ASTRO	151621				
ATR 1160-S-T	ASTRO	151628				
ATR 1160-T	ASTRO	151608				
ATR 2079	ASTRO	150812	20	R	Removal Tweezer	J-2
ATR 2080	ASTRO	150802	20	R	Removal Tweezer	J-1
ATR 2106	ASTRO	151062				
ATR 2109	ASTRO	151092				
ATR 2112	ASTRO	151122	16	R	Removal Tweezer	J-1
ATR 2112-L	ASTRO	151122	16	R	Removal Tweezer	J-1
ATR 2112-LS	ASTRO	151122	16	R	Removal Tweezer	J-1
ATR 2157	ASTRO	151572				
ATR 2160	ASTRO	151602	12	R	Removal Tweezer	J-1
ATR 2160-S	ASTRO	151602	12	R	Removal Tweezer	J-1
ATS 1086	ASTRO	880861				
ATS 1086-T	ASTRO	880868				
ATS 1087	ASTRO	880871				
ATS 1087-T	ASTRO	880878				
ATS 2133	ASTRO	881332	16	R	Removal Tool	E
ATS 2133-T	ASTRO	881339				
ATS 2234	ASTRO	882342				



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATS 2234-T	ASTRO	882349				
ATSE 1077	ASTRO	100771	20	R	Installing Tool	A
ATSE 1077-T	ASTRO	100778				
ATSE 1078	ASTRO	100761	20	R	Size Sub Insert tool	A
ATSE 1078-T	ASTRO	100768				
ATSE 1108	ASTRO	801081	16	R	Installing Tool	A
ATSE 1108-T	ASTRO	801088				
ATSE 1158	ASTRO	801581	12	R	InstallingTool	A
ATSE 1158-T	ASTRO	801588				
ATSE 2049	ASTRO	800492				
ATSE 2070	ASTRO	100702	20	F	Size Sub 20 Removal tool	E
ATSE 2070-T	ASTRO	100709				
ATSE 2071	ASTRO	100702	20	F	Size Sub 20 Removal tool	E
ATSE 2071-T	ASTRO	100709				
ATSE 2109	ASTRO	801092				
ATSE 2112	ASTRO	801122				
ATSE 2166	ASTRO	801662				
ATT 1059	ASTRO	860591				
ATT 1059-T	ASTRO	860598				
ATT 1060 SGA	ASTRO	860581				
ATT 1060-B	ASTRO	780601				
ATT 1060-B-T	ASTRO	860608				
ATT 1060-S	ASTRO	860591				
ATT 1061	ASTRO	860611				
ATT 2059	ASTRO	860582				
ATT 2059-S	ASTRO	860592				
ATT 2060-S	ASTRO	860602				
ATUS 1050	ASTRO	860501				
ATUS 1050-T	ASTRO	860508				
ATUS 2052	ASTRO	860512				
ATUS 2052-T	ASTRO	860519				
ATV 1044	ASTRO	860441				
ATV 1044-T	ASTRO	860448				
ATV 1086	ASTRO	860861	20	R	Installing tool	A
ATV 2052	ASTRO	860522				
ATV 2052-T	ASTRO	860529				
ATV 2073	ASTRO	860732	20	F	Removal Tool	H
ATV 2073-T	ASTRO	860739				
ATV 2075	ASTRO	860752				
ATV 2075-T	ASTRO	860759				
ATVP 1120-1	ASTRO	841201				
ATVP 1120-1-T	ASTRO	841208				
ATVP 1120-2	ASTRO	841361				
ATVP 1120-2-T	ASTRO	841368				
ATVP 1120-3	ASTRO	840821				



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
ATVP 1120-3-T	ASTRO	840828				
ATVP 2101	ASTRO	841012				
ATVP 2101-T	ASTRO	841019				
ATW 1055	ASTRO	880551	22	R	Installing Tool	A
ATW 1055-T	ASTRO	880558				
ATW 2025	ASTRO	880252		F	Removal Tool	F
ATW 2104	ASTRO	881042	16	F	Removal Tool	H
ATW 2104-T	ASTRO	881049				
ATX 2001	ASTRO	941565				
ATX 2002	ASTRO	941095				
ATX 2003	ASTRO	940775				
ATX 2004	ASTRO	940605				
ATX 2005	ASTRO	940515				
ATX 2006	ASTRO	941565				
ATX 2007	ASTRO	941095				
ATX 2008	ASTRO	940795				
ATX 2009	ASTRO	940475				
ATX 2010	ASTRO	940735				
ATX 2011	ASTRO	940535				
ATX 2012	ASTRO	940805				
ATX 2013	ASTRO	940525				
ATX 2014	ASTRO	940515				
AYBX 1055-S-T	ASTRO	320568				
CET 12	CANNON	200922	12	F	Impact Removal Pin & Socket	AE
CET 12-2	CANNON	201052	12	F	Pin & Socket Removal Tool	I
CET 12-4	CANNON	151602	12	R	Removal Tweezer	J-1
CET 12-IA	CANNON	201052	12	F	Pin & Socket Removal Tool	I
CET 16	CANNON	200602	16	F	Impact Removal Pin & Socket	AE
CET 16-3A	CANNON	200702	16	F	Pin & Socket Push Out	I
CET 16-4	CANNON	200702	16	F	Pin & Socket Push Out	I
CET 16-9	CANNON	151122	16	R	Removal Tweezer	J-1
CET 16-KJ	CANNON	101092	16	R	Removal Tweezer	J-1
CET 20-1 1	CANNON	200712	20	R	Removal Tweezer	J-1
CET 20-14	CANNON	150802	20	R	Removal Tweezer	J-1
CET 20-3	CANNON	200412	20	F	Pin & Socket Push Out	I
CET 20-4	CANNON	200402	20	F	Pin & Socket Removal Tool	I
CET 20-8	CANNON	150802	20	R	Removal Tweezer	J-1
CET 20-A	CANNON	200472	20	F	Impact Removal Pin & Socket	AE
CET 20-D	CANNON	200712	20	R	Removal Tweezer	J-1
CET 20-D-1	CANNON	200732	20	R	Removal Tweezer	J-1
CET 20-SA	CANNON	200462	20	F	Pin & Socket Push Out	I
CET 22KJ	CANNON	100602	16	F	Socket Removal	G
CET 22M-KJ	CANNON	100502	22D/M	R	Removal Tweezer	J-1
CET 22UW	CANNON	300545	22	R	Unwired Gontact Removal Tool	R
CET 20HD	CANNON	200762	20	R	Removal Tweezer	J-1



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
CET 2OKJ	CANNON	100782	20	F	MS24256 Removal Tool	E
CET 4	CANNON	202342	4	F	Pin & Socket Removal	I
CET 8	CANNON	201502	8	F	Pin & Socket Removal	I
CET 8-4	CANNON	102812	8	R	Removal Pliers	T
CET C4	CANNON	202002	Coax	F	Pin & Socket Impact Removal	AE
CET C6B	CANNON	201882	Coax	F	Pin & Socket Removal	E
CET Ci	CANNON	201702		F	Pin & Socket Impact Removal	AE
CET Cli	CANNON	202762		F	Pin & Socket Impact Removal	E
CET DPKB22	CANNON	200532	22	R	Removal Tweezer	J-2
CET FRF-0	CANNON	105182	0	F	Removal Tool	E
CET FRF-12	CANNON	101622	12	F	Removal Tool	E
CET FRF-4	CANNON	103362	0	F	Removal Tool	E
CET FRF-8	CANNON	102552	8	F	Removal Tool	E
CET KPSE2OA	CANNON	100802	20	F	Removal Tool	E
CET P-CTA	CANNON	200352	22	F	Removal Centi-Lok Pins	A
CET TF	CANNON	200262		F	Tuning Fork, Removal	K
CET VE-0	CANNON	105652	0	R	Removal Pliers	T
CET VE-12	CANNON	201842	12	R	Removal Tweezer	J-1
CET VE-16	CANNON	201362	16	R	Removal Tweezer	J-1
CET VE-4	CANNON	104262	4	R	Removal Pliers	T
CET VE-8	CANNON	102812	8	R	Removal Pliers	T
CETS-CTA	CANNON	200362	22	F	Removal Centi-Lok Socket	A
CFT FRF-16	CANNON	101152	16	F	Removal Tool	E
CIT 12	CANNON	201601	12	R	Installing Tool	A
CIT 12-2	CANNON	201601	12	R	Installing Tool	A
CIT 16 KJ	CANNON	101091	16	R	Installing Tweezer	J-1
CIT 16-1	CANNON	201111	16	R	Installing Tool	A
CIT 16-2	CANNON	201131	16	R	Installing Tool	A
CIT 16-9	CANNON	201121	16	R	Installing Tool	A
CIT 20	CANNON	100861	20	R	M524256 Insert. Tool	C
CIT 20 KJ	CANNON	100781	20	R	Installing Tweezer	J-1
CIT 20-13	CANNON	200831	20	R	Installing Plier	M
CIT 20-14	CANNON	200821	20	R	Installing Plier	L
CIT 20-2	CANNON	200791	20	R	Installing Tool	A
CIT 20-SA	CANNON	200841	20	R	Installing Tool	A
CIT 20A	CANNON	200551	20	R	Installing Tool	A
CIT 22 KJ	CANNON	100601	22	R	Installing Tweezer	J-1
CIT 22M-KJ	CANNON	100501	22D/M	R	Installing Tweezer	J-1
CIT 8	CANNON	202651	8	R	Installing Tool	A
CIT C2	CANNON	201871	Coax	F	Coax DP*m Inst. Tool	A
CIT CTA-1	CANNON	200461	22	R	Installing Tool	J-1
CIT DPKB	CANNON	200531	22	R	Installing Tool	A
CIT DPX2MA22	CANNON	200541	22	R	Installing Tool	A
CIT DPXMA22-1	CANNON	200521	22	R	Installing Tool	A
CIT PSCTA22	CANNON	200461	22	R	Installing Tool	J-1



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
CIT SS-10	CANNON	201101	10	R	Installing Tool Sure-Seal	A
CIT SS-14	CANNON	201051	20	R	Installing Tool Sure-Seal	A
CIT TF/FP	CANNON	200321		R	Installing Tweezer	J-2
CIT12-1	CANNON	201601	12	R	Installing Tool	A
CIT16	CANNON	201111	16	R	Installing Tool	A
CIT20-18	CANNON	200811	20	R	Installing Tool	A
CIT20D	CANNON	200721	20	R	Installing Tool	A
CIT4	CANNON	203771	4	R	Installing Tool	A
DACK24	DANIELS	200402	20	F	Pin & Socket Removal Tool	I
DAK103	DANIELS	301331	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
DAK111-8	DANIELS	302531	Coax	R	10 PT-CE Coaxial Tool-Inst.	AB
DAK118	DANIELS	501891	Coax	R	No. 2 Shielded Contact	D
DAK12	DANIELS	101451	12	R	MIL-C-16482 Inst. Tools	E
DAK123	DANIELS	100941	16	R	Installing Tool	A
DAK126-12	DANIELS	101581	12	R	Installs Pins & Sockets	D
DAK126-16	DANIELS	101041	16	R	Installs Pin & Sockets	D
DAK126-20	DANIELS	100791	22D/M	I	Tweezer	
DAK126-22	DANIELS	100511	22	R	Installs Pin & Sockets	P
DAK133-16	DANIELS	781051	16	R	Installing Tool	A
DAK155-16	DANIELS	101011	16	R	Installing Tool	AB
DAK16	DANIELS	101001	16	R	MS24256 Installing Tool	C
DAK20	DANIELS	100861	20	R	M524256 Installing Tool	C
DAK55-0	DANIELS	105581	0	R	Installing Tool	AB
DAK55-12	DANIELS	101441	12	R	Installing Tool	AB
DAK55-22JA	DANIELS	100771	20	R	Installing Tool	A
DAK55-22SA	DANIELS	100761	20	R	Size Sub Insertion tool	A
DAK55-4	DANIELS	103781	4	R	Installing Tool	AB
DAK55-8	DANIELS	102601	8	R	Installing Tool	AB
DAK83-12	DANIELS	151601	12	R	Installing Tool	A
DAK95-12	DANIELS	101601	12	R	Installing Tweezer	J-1
DAK95-16	DANIELS	101091	16	R	Installing Tweezer	J-1
DAK95-20	DANIELS	100781	20	R	Installing Tweezer	J-1
DAK95-22	DANIELS	100601	22	R	Installing Tweezer	J-1
DAK95-22M	DANIELS	100501	22D/M	R	Installing Tweezer	J-1
DAK96-12	DANIELS	301451	12	R	Installing Plier	L
DAK96-16	DANIELS	301281	16	R	Installing Plier	L
DRK105	DANIELS	121153	16	R	Removal Tool	
DRK105-12	DANIELS	121492	16	R	Removal Tip	
DRK105-12-1	DANIELS	121499	12	R	Removal Tool	
DRK105-16	DANIELS	121012	16/20	I	Installing Tool	
DRK105-16-1	DANIELS	121019	16	I	Installing Tool	
DRK105-20	DANIELS	120702	16	R	Removal Tool	
DRK105-20-1	DANIELS	120709	16	R	Removal Tip	
DRK105-22	DANIELS	120602	16	I	Installing Tool	
DRK105-22-1	DANIELS	120609	16	I	Installing Tool	



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
DRK105-22M	DANIELS	120492	16/20	R	Removal Tool	
DRK105-22M-1	DANIELS	120499	16	I	Metal Tweezer	
DRK105-HDL	DANIELS	120460	16	R	Metal Tweezer	
DRK110	DANIELS	101153	12-16-20	R	Unwired Removal Kit	R
DRK110-12-1	DANIELS	101479	16	R	Removal Tool	
DRK110-16	DANIELS	101002	16	R	Removal Tool	
DRK110-16-1	DANIELS	101009	12/16/20	R	Tool Kit	
DRK110-20-1	DANIELS	100729	12	R	Removal Tool	
DRK110-HDL	DANIELS	120620	12	I	Installing Tool	
DRK111-8	DANIELS	302912	8	F	Removal, Coaxial	E
DRK116	DANIELS	780522	22	F	Removal Tool	H
DRK119-8	DANIELS	502552	Coax	F	No. 2 Shielded Contact	E
DRK12	DANIELS	101612	12	F	Removal Tool	E
DRK120-20	DANIELS	400882	20	F	Removal Tool	
DRK121-20	DANIELS	500852	20	F	Removal Tool	E
DRK122-16	DANIELS	501252	16	F	Removal Tool	E
DRK124	DANIELS	101042	16	F	Removal Tool	H
DRK124-22	DANIELS	100262	23	F	Socket Removal	G
DRK125-12	DANIELS	101202	12	F	Pin Removal	C
DRK125-16	DANIELS	100652	16	F	Pin Removal	C
DRK125-20	DANIELS	100422	20	F	Pin Removal	C
DRK125-23	DANIELS	100302	23	F	Pin Removal	C
DRK128	DANIELS	881042	16	F	Removal Tool	H
DRK129-12	DANIELS	100932	12	F	Socket Removal	G
DRK129-16	DANIELS	100592	4	I	Installing Tool	
DRK129-20	DANIELS	100382	20	F	Socket Removal	G
DRK129-23	DANIELS	100	0	R	Removal Tool	
DRK130-12	DANIELS	101502	0	R	Removal Tool	
DRK130-12-1	DANIELS	101509	1/0	R	Removal Tool	
DRK130-16	DANIELS	100902	0	I	Installing Tool	
DRK130-16-1	DANIELS	100909	2/0	R	Removal Tool	
DRK130-20	DANIELS	100582	4/0	R	Removal Tip	
DRK130-20-1	DANIELS	100489			Removal Tool	
DRK130-22	DANIELS	100492	22	R	Metal Tweezer	J-2
DRK130-22-1	DANIELS	100499	22D	R	Removal Tip	
DRK131	DANIELS	501852	16	F	Removal Tool	E
DRK133-16	DANIELS	781212	16	F	Removal Tool	E
DRK134	DANIELS	101622	12	F	Removal Tool	E
DRK135	DANIELS	101152	16	F	Removal Tool	E
DRK136	DANIELS	202762	20	F	Pin & Socket Impact Removal	E
DRK137	DANIELS	202002	Coax	F	Pin & Socket Impact Removal	AE
DRK140	DANIELS	300793	12/16/20	F	Removal Kit	N
DRK142	DANIELS	940535	Mil-C-38999		Tool Kit-Unwired	
DRK151	DANIELS	200702	16	F	Pin & Socket Push Out	I
DRK152	DANIELS	201052	12	F	Pin & Socket Removal Tool	I



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
DRK16	DANIELS	101142	16	F	MS24256 Removal Tool	E
DRK166	DANIELS	502542	Coax	F	Removal Tool	E
DRK169	DANIELS	550402	22	R	Removal Tool	X
DRK170	DANIELS	552542	8	F	Removal Tool	E
DRK171	DANIELS	780882	20	F	Removal Tool	E
DRK178-1	DANIELS	107532	20	R	Metal Tweezer	
DRK178-2	DANIELS	106592	16	I	Metal Tweezer	
DRK178-3	DANIELS	105212	12	I	Installing Tool	
DRK178-4	DANIELS	104252	12	R	Metal Tweezer	
DRK178-5	DANIELS	103392	20	R	Removal Tool	
DRK178-6	DANIELS	103172	20	R	Removal Tool	
DRK181	DANIELS	200402	20	F	Pin & Socket Removal Tool	I
DRK20	DANIELS	100802	20	F	Removal Tool	E
DRK25	DANIELS	200462	20	F	Pin & Socket Push Out	I
DRK27	DANIELS	780522	22	F	Removal Tool	H
DRK284	DANIELS	100602	16	F	Socket Removal	G
DRK287	DANIELS	100612	22	F	Removal Tool	H
DRK32	DANIELS	200702	16	F	Pin & Socket Push Out	I
DRK34	DANIELS	200922	12	F	Impact Removal Pin & Socket	AE
DRK35	DANIELS	200602	16	F	Impact Removal Pin & Socket	AE
DRK36	DANIELS	200472	20	F	Impact Removal Pin & Socket	AE
DRK38	DANIELS	201882	Coax	F	Pin & Socket Removal	E
DRK39	DANIELS	201702	22M	F	Pin & Socket Impact Removal	AE
DRK50	DANIELS	121303		R	Tool Kit	
DRK50-12	DANIELS	121442	22	R	Metal Tweezer-Straight	J-2
DRK50-12-1	DANIELS	121449	8/12/16		Tool Kit	
DRK50-16	DANIELS	121162	20	R	Tweezer	
DRK50-16-1	DANIELS	121169		R	Tool Kit	
DRK51-12	DANIELS	551902	16	R	Tweezer	
DRK51-12-4	DANIELS	551909	16	I	Metal Plier	
DRK51-16	DANIELS	551272	16	F	Removal Tool	F
DRK51-16-4	DANIELS	551279		R	Tool Kit	
DRK51-20	DANIELS	550972	20	F	Removal Tool	F
DRK51-20-4	DANIELS	550979	12,16	R	Tool Kit	
DRK51-8	DANIELS	552502	8	R	Coax Removal Tool	E
DRK56-12	DANIELS	101622	12	F	Removal Tool	E
DRK56-16	DANIELS	101152	16	F	Removal Tool	E
DRK56-22	DANIELS	100702	20	F	Size Sub 20 Removal tool	E
DRK56-4	DANIELS	103362	0	F	Removal Tool	E
DRK56-4	DANIELS	105182	0	F	Removal Tool	E
DRK56-8	DANIELS	102522	8	F	Removal Tool	E
DRK57	DANIELS	301383	12-16	F	Removal Kit	N
DRK57-12	DANIELS	301363	20	R	Removal Tool	
DRK57-16	DANIELS	301373	16	I & R	Tool Kit	
DRK58-8	DANIELS	402022	8	F	Coa. Removal Tool	E



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
DRK59	DANIELS	300723	8-12-16	F	Removal Kit	N
DRK80	DANIELS	500933	8	I	Installing Tool	
DRK81	DANIELS	300503	16/20	F	Removal Kit	N
DRK82	DANIELS	500693	16	F/R	Insertion & Removal Kit	P
DRK83-12	DANIELS	151602	12	R	Removal Tweezer	J-1
DRK83-16	DANIELS	151122	16	R	Removal Tweezer	J-1
DRK83-20	DANIELS	150802	20	R	Removal Tweezer	J-1
DRK84-20	DANIELS	100702	20	F	Size Sub 20 Removal tool	E
DRK840	DANIELS	105182	0	F	Removal Tool	E
DRK87-8	DANIELS	402502	8	F	Removal Tool	H
DRK9	DANIELS	860402	20	F	Removal, Pins & Socket	I
DRK95-12	DANIELS	101612	12	F	Removal Tool	E
DRK95-12-S	DANIELS	301602	12	R	Straight Removal Tweezer	J-2
DRK95-16	DANIELS	101092	16	R	Removal Tweezer	J-1
DRK95-16-S	DANIELS	301092	16	R	Straight Removal Tweezer	J-2
DRK95-20	DANIELS	100782	20	F	MS24256 Removal Tool	E
DRK95-20-S	DANIELS	300782	20	R	Straight Removal Tweezer	J-2
DRK95-22	DANIELS	100602	16	F	Socket Removal	G
DRK95-22-S	DANIELS	300592	22	R	Straight Removal Tweezer	J-2
DRK95-22M	DANIELS	100502	22D/M	R	Removal Tweezer	J-1
DRK95-22M-S	DANIELS	300502	22D/M	R	Straight Removal Tweezer	J-2
FW020 IT000	HUGHES	780661	20	R	Installing Tool	A
HT2038	MOLEX	881242	16	F	RemovalTool	E
HT2285	MOLEX	880812	20	F	RemovalTool	E
J-1276-1	BURNDY	400614	22	R	Installing Removal Tool YHMM-22-1 Pins	
J-1276-3	BURNDY	400614	22	R	Installing Removal Tool YHMM-22-1 Pins	
J-1276-4	BURNDY	400644	22	R	Installing Removal Tool YHMM-22-1 Pins	
KM 20, I&E	CANNON	200423	20	F/R	Installing & Removal Kit	N
M15513-12	DEUTSCH	101581	12	R	Installs Pins & Sockets	D
M15513-16	DEUTSCH	301071	16	R	Installing Tool	A
M15513-20	DEUTSCH	550821	20	R	InstallingTool	A
M15513-25	DEUTSCH	552061	8	R	Installing Tool	A
M15514-12	DEUTSCH	101612	12	F	Removal Tool	E
M15514-16	DEUTSCH	101142	16	F	MS24256 Removal Tool	E
M15514-20	DEUTSCH	100802	20	F	Removal Tool	E
M15514-25	DEUTSCH	552542	8	F	Removal Tool	E
M15515-12	DEUTSCH	551912	12	F	Removal Tool	F
M15515-16	DEUTSCH	551272	16	F	Removal Tool	F
M15515-20	DEUTSCH	550972	20	F	Removal Tool	F
M15515-22P5	DEUTSCH	550402	22	R	Removal Tool	X
M15515-25	DEUTSCH	552502	8	R	Coax Removal Tool	E
M15571	DEUTSCH	101153	12-16-20	R	Unwired Removal Kit	R
M15571-12	DEUTSCH	111582	12	R	Unwired Removal Tool	R
M15571-16	DEUTSCH	111032	16	R	Unwired Removal Tool	R
M15571-20	DEUTSCH	110732	20	R	Unwired Removal Tool	R



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
PCD 91-021	TRANSITION	810602	22	R	Removal Tool	J-1
PCD 91-023	TRANSITION	810601	22	R	Installing Tool	A
RT 2260	U.S. COMPONENTS	100502	22D/M	R	Removal Tweezer	J-1
RTM 12-4	BURNDY	101451	12	R	MIL-C-16482 InstallingTools	E
RTM 12-5	BURNDY	101451	12	R	MIL-C-16482 InstallingTools	E
RTM 12-8	BURNDY	101601	12	R	Installing Tweezer	J-1
RTM 12-8	PLESSEY	101601	12	R	Installing Tweezer	J-1
RTM 16-2V	BURNDY	101001	16	R	MS24256 Installing Tool	C
RTM 16-4	PLESSEY	101091	16	R	Installing Tweezer	J-1
RTM 20-17	PLESSEY	100781	20	R	Installing Tweezer	J-1
RTM 20-5	BURNDY	400671	20	R	Installing Tool	AZ
RTM 20-5PI	BURNDY	400709	20	R	Tip for RTM 20-5	C
RTM 22-1	PLESSEY	100601	22	R	Installing Tweezer	J-1
RTM 24-3	PLESSEY	100501	22D/M	R	Installing Tweezer	J-1
RX 12-7	BURNDY	101612	12	F	Removal Tool	E
RX 16-7-2V	BURNDY	401142	16	F	MIL-G-26636 Rem. Tool	E
RX 16-9	PLESSEY	101092	16	R	Removal Tweezer	J-1
RX 8-1	BURNDY	402022	8	F	Coax Removal Tool	E
RX 8-3	BURNDY	402502	8	F	Removal Tool	H
RX12-9	PLESSEY	101602	12	R	Removal Tweezer	i-i
RX16-7-IV	BURNDY	401142	16	F	MIL-G-26636 Rem. Tool	E
RX16-8	BURNDY	401142	16	F	MIL-G-26636 Rem. Tool	E
RX22-1	PLESSEY	100602	16	F	Socket Removal	G
RX24-3	PLESSEY	100502	22D/M	R	Removal Tweezer	J-1
RX20-10	BURNDY	400882	20	F	Removal Tool	
RX20-24	BURNDY	400802	20	F	MIL-C-26636 Rem. Tool	E
RX20-24-V-3	BURNDY	400802	20	F	MIL-C-26636 Rem. Tool	E
RX20-24-V-5	BURNDY	400802	20	F	MIL-C-26636 Rem. Tool	E
RX20-36	PLESSEY	100782	20	F	MS24256 Removal Tool	E
T-06-1866-02	ELCO	480572	20	F	Removal Tool	H
T1 0149-0	SAE	105652	0	R	Removal Plier	T
T10149-12	SAE	151602	12	R	Removal Tweezer	J-1
T10149-16	SAE	151122	16	R	Removal Tweezer	J-1
T10149-4	SAE	104262	4	R	Removal Plier	T
T10149-8	SAE	102812	8	R	Removal Plier	T
T10150-0	SAE	105581	0	R	Installing Tool	AB
T10150-12	SAE	801581	12	R	InstallingTool	A
T10150-4	SAE	103781	4	R	Installing Tool	AB
T10150-8	SAE	102601	8	R	Installing Tool	AB
T10150-16	SAE	801081	16	R	Installing Tool	A
TD-020-IT-000	HUGHES	780661	20	R	Installing Tool	A
TE-022RT-001	HUGHES	780272	22	F	Jack Pin Removal Tool	H
TG 221T	HUGHES	780531	22D	R	Installing Tweezer	J-1
TG 22RT	HUGHES	780532	22D	R	Removal Tweezer	J-1
TGT20 ITO	HUGHES	100761	20	R	Installing Tool	A



METAL INSERTION - REMOVAL TOOLS



TOOL NO/PART NO.	MANUFACTURER	PICO NO	SIZE	SERV FROM	DESCRIPTION	ILLUS
TGT20ITI	HUGHES	100771	20	R	Installing Tool	A
TGT20RT	HUGHES	100702	20	F	Size Sub 20 Removal tool	E
THM 22B000	HUGHES	100502	22D/M	R	Removal Tweezer	J-1
TIR 1610	AIRBORN	100482	22	R	Metal Tweezer	J-1
TMO16IT-001	HUGHES	100941	16	R	Installing Tool	A
TMO16IT-003	HUGHES	100941	16	R	Installing Tool	A
TMO16RT-001	HUGHES	101022	16	F	Removal Tool	H
TMO16RT-006	HUGHES	781032	16	F	Removal Tool	E
TR 1883	AIRBORN	100492	22	R	Tweezer	J-2
TR 1886	AIRBORN	890472	22	R	Tweezer	J-2
TR22DIT	HUGHES	780501	22D	R	Installing Tweezer	J-1
TR22DRT	HUGHES	780502	22D	R	Removal Tweezer	J-1
TU18ORT-000	HUGHES	782212	8	F	RG 180/U Coax	E
TU19SRT-000	HUGHES	782062	8	F	RG 195/U Coax	E
TUO16IT-002	HUGHES	781051	16	R	Installing Tool	A
TUO16RT-000	HUGHES	781212	16	F	Removal Tool	E
TUO16RT-006	HUGHES	781212	16	F	Removal Tool	E
TUO20IT-002	HUGHES	780671	20	R	Installing Tool	A
TUO20RT-002	HUGHES	780892	20	F	Removal Tool	H
TUO20RT-006	HUGHES	780882	20	F	Removal Tool	E
TW 020 RT-002	HUGHES	780882	20	F	Removal Tool	E
TW 020 RT-006	HUGHES	780882	20	F	Removal Tool	E
TW 022 IT-007	HUGHES	780521	22	R	Installing Tool	A
TW 022 IT-OCi	HUGHES	780521	22	R	Installing Tool	A
TW 022 RT-001	HUGHES	780512	22	F	Removal Tool	H
TW 022 RT-006	HUGHES	780522	22	F	Removal Tool	H



M81969/ SPEC METAL & PLASTIC TOOLS



M81969 NO	MS NO	PLASTIC	INSTALL	REMOVAL	SIZE	DESCRIPTION
M81969/16-04	MS30160-22	100483	100601	550522		
M81969/17-01	MS90455-16 & 1		101011		16	Metal Tool
M81969/17-02	MS90455-12 & 2		101441		12	Metal Tool
M81969/17-03	MS24256A20		100861		20	Metal Tool
M81969/17-04	MS90455-2		101001		16	Metal Tool
M81969/17-05	MS24256A-12		101451			
M81969/17-06	MS90455-8 &-3		102601		8	Metal Tool
M81969/17-07	MS90455-4		103781		4	Metal Tool
M81969/17-08	MS90455-5 & 0		105581		0	Metal Tool
M81969/18-01	MS17805		100941			
M81969/18-02			100551			
M81969/19-01	MS90456-1 & 16		200711	101152	16	MIL-C-5015
M81969/19-02	MS90456-2 & 12		200541		12	MIL-C-5015
M81969/19-03	MS90456-3 &8			102522	8	MIL-C-5015
M81969/19-04	MS90456-4			103362	4	MIL-C-5015
M81969/19-05	MS90456-5 & 0			105182	0	MIL-C-5015
M81969/19-06	MS90456R20			400802	20	MIL-C-26482 (MS24256R-20, REV. E
M81969/19-07	MS24256R20			100802	20	Metal Tool (MS24256R20)
M81969/19-08	MS24256R16			101142	16	Metal Tool (MS24256R16)
M81969/19-09	MS24256R12			101612	12	Metal Tool (MS24256R12)
M81969/19-10	MS24256RH20			NO		
M81969/19-11	MS24256RH16			NO		
M81969/20-01	MS17806			101042	8	MIL-C-24308 Connector Series
M81969/20-02	MS17806			100612	12	Metal Tool (MS24256R12)
M81969/21			NO			
M81969/22			POSSIBLE			
M81969/23			POSSIBLE			
M81969/24			NO			
M81969/25-01			POSSIBLE			
M81969/25-02			POSSIBLE			
M81969/25-03			POSSIBLE			
M81969/25-04			POSSIBLE			
M81969/25-05			POSSIBLE			
M81969/25-06			POSSIBLE			
M81969/26			NO			
M81969/27-01	MS90562-1			107532		MIL-C-22992, Class L Connector
M81969/27-02	MS90562-2			106592		MS90566, MS90559 & MS90560
M81969/27-03	MS90562-3			105212		MS90566, MS90559 & MS90560
M81969/27-04	MS90562-4			104252	2	MS90566, MS90559 & MS90560
M81969/27-05	MS90562-5		POSSIBLE	103392	4	MS90566, MS90559 & MS90560
M81969/27-06	MS90562-6		POSSIBLE	103172	6	MS90566, MS90559 & MS90560
M81969/28-01	MS3178-001		POSSIBLE	POSSIBLE		
M81969/28-02	MS3178-002		101441	POSSIBLE		
M81969/29-01	MS3165-16 & 8		101011		16	
M81969/29-02	MS3165-32-08	102712	101001	102812	8	Metal Pliers-MIL-C-5015



M81969/ SPEC METAL & PLASTIC TOOLS



M81969 NO	MS NO	PLASTIC	INSTALL	REMOVAL	SIZE	DESCRIPTION
M81969/1-01	MS3156-22	100533	200541	200532	22	Metal Functional Equivalent
M81969/1-02	MS3156-20	100723	200711	200712	20	Metal Functional Equivalent
M81969/1-03	MS24308/18-2	101123	151071	151122	16	Joggled Tool
M81969/1-04	MS24308/18-1	100573				Plastic Equiv
M81969/2-01	MS3323-22		100511		22	Pins & Sockets
M81969/2-02	MS3323-20		100791		20	Pins & Sockets
M81969/2-03	MS3323-16		101041		16	Pins & Sockets
M81969/2-04	MS3323-12		101581		12	Pins & Sockets
M81969/3-01	MS3344-23			100262	23	Sockets Only
M81969/3-02	MS3344-20			100382	20	Sockets Only
M81969/3-03	MS3344-16			100592	16	Sockets Only
M81969/3-04	MS3344-12			100932	12	Sockets Only
M81969/3-05	MS3342-23			100302	23	Pins Only
M81969/3-06	MS3342-20			100422	20	MIL-C-81511 Series 1 & 2 Pins
M81969/3-07	MS3342-16			100652	16	Pins Only
M81969/3-08	MS3342-12			101202	12	Pins Only
M81969/5-01			POSSIBLE			
M81969/8-01	MS27495A22M		100501	100502	22D	Metal Tweezer
M81969/8-02	MS27495R22M		POSSIBLE	100502		
M81969/8-03	MS27495A22		100601		20	Metal Tweezer-Direct Equivalent
M81969/8-04	MS27495R22			100602	22	Metal Tweezer
M81969/8-05	MS27495A20		100781		20	Metal Tweezer-Direct Equivalent
M81969/8-06	MS27495R20			100782	20	Metal Tweezer
M81969/8-07	MS27495A16		101091		16	Metal Tweezer-Direct Equivalent
M81969/8-08	MS27495R16		POSSIBLE	101092	16	Metal Tweezer
M81969/8-09	MS27495A12		101601		12	Metal Tweezer-Direct Equivalent
M81969/8-10	MS27495R12			100602	22	Metal Tweezer
M81969/10			NO			
M81969/14-01		100503				Plastic Equiv
M81969/14-02		100803				Plastic Equiv
M81969/14-03		101033				Plastic Equiv
M81969/14-04		101553				Plastic Equiv
M81969/14-05		102103				Plastic Equiv
M81969/14-06		102772				Plastic Equiv
M81969/14-07		103092				Plastic Equiv
M81969/14-08		105652				Plastic Equiv
M81969/14-09		100603				Plastic Equiv
M81969/14-10		100683				Plastic Equiv
M81969/14-11		100803				Plastic Equiv
M81969/14-12		102782				Plastic Equiv
M81969/15-01	MS3483-1		NO	102812	8	Metal Pliers-MILC-5015
M81969/15-02	MS3483-2			104262	4	Metal Pliers-MILC-5015
M81969/15-03	MS3483-3		151071	105652		Metal Pliers-MILC-5015
M81969/16-01	MS30160-20	100583	101601	550612	20	Metal Tool
M81969/16-02	MS30160-16	100883	101091	550942	16	Metal Tool
M81969/16-03	MS30160-12	101463	551541	551542		



M81969/ SPEC METAL & PLASTIC TOOLS



M81969 NO	MS NO	PLASTIC	INSTALL	REMOVAL	SIZE	DESCRIPTION
M81969/29-03	MS3165-32-04		103781	104262	4	Metal Pliers-MIL-C-5015
M81969/29-04	MS3165-32-00		105581	105652	0	Metal Pliers-MIL-C-5015
M81969/30-01	MS3159-22		102601	100442	22	Metal Tool
M81969/30-02	MS3159-20			100582	20	Metal Tool
M81969/30-03	MS3159-16			100902	16	Metal Tool
M81969/30-04	MS3159-12			101502	12	Metal Tool
M81969/30-05	MS3448-001A			100722	20	Single Tip Tool
M81969/30-06	MS3448-001B			101002	16	Tip only-Delrin
M81969/30-07	MS3448-001C			101472	12	Single Tip Tool
M81969/31			NO			
M81969/32			NO			
M81969/33-01			100771		20	MIL-C-28840
M81969/33-02			100761		20	MIL-C-28840
M81969/34			100702		20	MIL-C-28840
M81969/39-01		100693				Plastic Equiv



MIL SPEC METAL & PLASTIC TOOLS



MS NO	M81869	PLASTIC	INSTALL	REMOVAL	SIZE	DESCRIPTION
MS17805	M81969/18-01		100941			
MS17806	M81969/20-01			101042	8	MIL-C-24308 Connector Series
MS17806	M81969/20-02			100612	12	Metal Tool (MS24256R12)
MS24256A-12	M81969/17-05		101451			
MS24256A20	M81969/17-03		100861		20	Metal Tool
MS24256R12	M81969/19-09			101612	12	Metal Tool (MS24256R12)
MS24256R16	M81969/19-08			101142	16	Metal Tool (MS24256R16)
MS24256R20	M81969/19-07			100802	20	Metal Tool (MS24256R20)
MS24256RH16	M81969/19-11			NO		
MS24256RH20	M81969/19-10			NO		
MS24308/18-1	M81969/1-04	100573				Plastic Equiv
MS24308/18-2	M81969/1-03	101123	151071	151122	16	Joggled Tool
MS27495A12	M81969/8-09		101601		12	Metal Tweezer-Direct Equivalent
MS27495A16	M81969/8-07		101091		16	Metal Tweezer-Direct Equivalent
MS27495A20	M81969/8-05		100781		20	Metal Tweezer-Direct Equivalent
MS27495A22	M81969/8-03		100601		20	Metal Tweezer-Direct Equivalent
MS27495A22M	M81969/8-01		100501	100502	22D	Metal Tweezer
MS27495R12	M81969/8-10			100602	22	Metal Tweezer
MS27495R16	M81969/8-08		POSSIBLE	101092	16	Metal Tweezer
MS27495R20	M81969/8-06			100782	20	Metal Tweezer
MS27495R22	M81969/8-04			100602	22	Metal Tweezer
MS27495R22M	M81969/8-02		POSSIBLE	100502		
MS30160-12	M81969/16-03	101463	551541	551542		
MS30160-16	M81969/16-02	100883	101091	550942	16	Metal Tool
MS30160-20	M81969/16-01	100583	101601	550612	20	Metal Tool
MS30160-22	M81969/16-04	100483	100601	550522		
MS3156-20	M81969/1-02	100723	200711	200712	20	Metal Functional Equivalent



MIL SPEC METAL & PLASTIC TOOLS



MS NO	M81869	PLASTIC	INSTALL	REMOVAL	SIZE	DESCRIPTION
MS3156-22	M81969/1-01	100533	200541	200532	22	Metal Functional Equivilent
MS3159-12	M81969/30-04			101502	12	Metal Tool
MS3159-16	M81969/30-03			100902	16	Metal Tool
MS3159-20	M81969/30-02			100582	20	Metal Tool
MS3159-22	M81969/30-01		102601	100442	22	Metal Tool
MS3165-16 & 8	M81969/29-01		101011		16	
MS3165-32-00	M81969/29-04		105581	105652	0	Metal Pliers-MIL-C-5015
MS3165-32-04	M81969/29-03		103781	104262	4	Metal Pliers-MIL-C-5015
MS3165-32-08	M81969/29-02	102712	101001	102812	8	Metal Pliers-MIL-C-5015
MS3178-001	M81969/28-01		POSSIBLE	POSSIBLE		
MS3178-002	M81969/28-02		101441	POSSIBLE		
MS3323-12	M81969/2-04		101581		12	Pins & Sockets
MS3323-16	M81969/2-03		101041		16	Pins & Sockets
MS3323-20	M81969/2-02		100791		20	Pins & Sockets
MS3323-22	M81969/2-01		100511		22	Pins & Sockets
MS3342-12	M81969/3-08			101202	12	Pins Only
MS3342-16	M81969/3-07			100652	16	Pins Only
MS3342-20	M81969/3-06			100422	20	MIL-C-81511 Series 1 & 2 Pins
MS3342-23	M81969/3-05			100302	23	Pins Only
MS3344-12	M81969/3-04			100932	12	Sockets Only
MS3344-16	M81969/3-03			100592	16	Sockets Only
MS3344-20	M81969/3-02			100382	20	Sockets Only
MS3344-23	M81969/3-01			100262	23	Sockets Only
MS3448-001A	M81969/30-05			100722	20	Single Tip Tool
MS3448-001B	M81969/30-06			101002	16	Tip only-Delrin
MS3448-001C	M81969/30-07			101472	12	Single Tip Tool
MS3483-1	M81969/15-01		NO	102812	8	Metal Pliers-MIL-C-5015
MS3483-2	M81969/15-02			104262	4	Metal Pliers-MIL-C-5015
MS3483-3	M81969/15-03		151071	105652		Metal Pliers-MIL-C-5015
MS90455-12 & 2	M81969/17-02		101441		12	Metal Tool
MS90455-16 & 1	M81969/17-01		101011		16	Metal Tool
MS90455-2	M81969/17-04		101001		16	Metal Tool
MS90455-4	M81969/17-07		103781		4	Metal Tool
MS90455-5 & 0	M81969/17-08		105581		0	Metal Tool
MS90455-8 &-3	M81969/17-06		102601		8	Metal Tool
MS90456-1 & 16	M81969/19-01		200711	101152	16	MIL-C-5015
MS90456-2 & 12	M81969/19-02		200541		12	MIL-C-5015
MS90456-3 &8	M81969/19-03			102522	8	MIL-C-5015
MS90456-4	M81969/19-04			103362	4	MIL-C-5015
MS90456-5 & 0	M81969/19-05			105182	0	MIL-C-5015
MS90456R20	M81969/19-06			400802	20	MIL-C-26482 (MS24256R-20, REV. E)
MS90562-1	M81969/27-01			107532	4/0	MIL-C-22992, Class L Connector
MS90562-2	M81969/27-02			106592	2/0	MS90566, MS90559 & MS90560
MS90562-3	M81969/27-03			105212	1/0	MS90566, MS90559 & MS90560
MS90562-4	M81969/27-04			104252	2	MS90566, MS90559 & MS90560
MS90562-5	M81969/27-05		POSSIBLE	103392	4	MS90566, MS90559 & MS90560



MIL SPEC METAL & PLASTIC TOOLS



MS NO	M81869	PLASTIC	INSTALL	REMOVAL	SIZE	DESCRIPTION
MS90562-6	M81969/27-06		POSSIBLE	103172	6	MS90566, MS90559 & MS90560



PLASTIC TOOLS

PART NO	MANF'R	MIL-SPEC	PLASTIC	SIZE	METAL EQUIVALENT		DESCRIPTION
					INSTALL	REMOVAL	
10-29640-20	BENDIX	M81969/08-05		20	100781		
10-29640-22	BENDIX	M81969/08-03		22	100601		
10-29640-23	BENDIX	M81969/08-01		23	100501		
10-29643-20	BENDIX	M81969/08-06		20	100782		
10-29643-22	BENDIX	M81969/08-04		22	100602		
10-29643-23	BENDIX	M81969/08-02		23	100502		
1664-12	NAS	M81969/14-04	101553	12	151601	151602	Plastic Equiv
1664-16	NAS	M81969/14-03	101033	16	151071	151122	Plastic Equiv
1664-20	NAS	M81969/14-02	100803	20	150801	150802	Plastic Equiv
294-108	AMPHENOL	M81969/14-02	100803	20	150801	150802	Plastic Equiv
294-110	AMPHENOL	M81969/14-04	101553	12	151601	151602	Plastic Equiv
294-190	AMPHENOL	M81969/14-03	101033	16	151071	151122	Plastic Equiv
294-540	AMPHENOL	M81969/14-03	101033	16	301081	101092	Plastic Equiv
294-541	AMPHENOL	M81969/14-01	100503	22D	300491	100502	Plastic Equiv
294-549	AMPHENOL	M81969/14-01	100503	22D	300491	100502	Plastic Equiv
294-559	AMPHENOL	M81969/14-02	100803	20	300791	100782	Plastic Equiv
6500-001-12	MATRIX	M81969/14-04	101553	12	30	301602	Plastic Equiv
6500-001-16	MATRIX	M81969/14-03	101033	16	30	301092	Plastic Equiv
6500-001-20	MATRIX	M81969/14-02	100803	20	30	300782	Plastic Equiv
6500-001-22	MATRIX	M81969/14-01	100503	22	30	100502	Plastic Equiv
6500-010-16	MATRIX	M81969/14-03	101033	16	151071	151122	Plastic Equiv
6500-010-20	MATRIX	M81969/14-02	100803	20	150801	150802	Plastic Equiv
6500-018-00	MATRIX	M81969/29-04		0		105652	
6500-018-04	MATRIX	M81969/29-03		4		104262	
6500-018-08	MATRIX	M81969/29-02	102712	8		102812	Metal Pliers-MIL-C-5015
6500-028-12	MATRIX			12		151612	
6500-028-16	MATRIX			16		151092	
6500-028-20	MATRIX			20		150792	
6500-029-12	MATRIX			12	151601	151602	
6500-029-16	MATRIX			16	151071	151122	
6500-029-20	MATRIX			20	150801	150802	
6500-030-12	MATRIX			12	821601		
6500-030-16	MATRIX			16	821121		
6500-030-20	MATRIX			20	820791		
6500-101-12	MATRIX	M81969/14-04	101553	12	151601	151602	Plastic Equiv
8522-12	SOURIAU	M81969/14-04	101553	12	151601	151602	Plastic Equiv
8522-16	SOURIAU	M81969/14-03	101033	16	151071	151122	Plastic Equiv
8522-20	SOURIAU	M81969/14-02	100803	20	150801	150802	Plastic Equiv
91066-1	AMP	M81969/1-01	100533	22	200541	200532	Metal Functional Equivalent
91066-2	AMP	M81969/1-02	100723	20	200711	200712	Metal Functional Equivalent
91066-3	AMP	M81969/1-03	101123	16	151071	151122	Joggled Tool
91067-1	AMP	M81969/1-04	100573	22	200541	200532	Plastic Equiv
91067-2	AMP	M81969/1-02	100723	20	200711	200762	Metal Functional Equivalent
CET 0-1	CANNON	M81969/29-04		0		105652	
CET 12-4	CANNON	M81969/14-04	101553	12		151602	Plastic Equiv

PLASTIC TOOLS



PART NO	MANF'R	MIL-SPEC	PLASTIC	SIZE	METAL EQUIVALENT		DESCRIPTION
					INSTALL	REMOVAL	
CET 16-9	CANNON	M81969/14-03	101033	16		151122	Plastic Equiv
CET 20-11	CANNON	M81969/1-02	100723	20		200712	Metal Functional Equivalent
CET 20-11HD	CANNON	M81969/1-02	100723	20		200712	Metal Functional Equivalent
CET 20-14	CANNON	M81969/1-02	100723	20		200762	Metal Functional Equivalent
CET 20-21	CANNON	M81969/14-02	100803	20			Plastic Equiv
CET 20-8	CANNON	M81969/14-02	100803	20		150802	Plastic Equiv
CET 4-8	CANNON	M81969/29-03		4		104262	
CET 8-2	CANNON	M81969/29-02	102712	8		102812	Metal Pliers-MILC-5015
CET C8	CANNON	M81969/29-02	102712	8		102812	Metal Pliers-MILC-5015
CIET 12	CANNON	M81969/14-04	101553	12	151601	151602	Plastic Equiv
CIET 16	CANNON	M81969/14-03	101033	16	151071	151122	Plastic Equiv
CIET 20	CANNON	M81969/14-02	100803	20	150801	150802	Plastic Equiv
CIET 20-18	CANNON			20	200761	200762	
CIET 20HD2	CANNON	M81969/14-01	100503	20	200761	200762	Plastic Equiv
CIET 20HDB	CANNON			20	200761	200762	
CIET 22	CANNON	M81969/14-01	100503	22	100501	100502	Plastic Equiv
CIET 22D	CANNON	M81969/14-01	100503	22D	100501	100502	Plastic Equiv
CNO 930-0012	CINCH (TRW)	M81969/14-04	101553	12	151601	151602	Plastic Equiv
CNO 930-0016	CINCH (TRW)	M81969/14-03	101033	16	151071	151122	Plastic Equiv
CNO 930-0020	CINCH (TRW)	M81969/14-02	100803	20	150801	150802	Plastic Equiv
M15570-12	DEUTSCH	M81969/14-04	101553	12	151601	151602	Plastic Equiv
M15570-16	DEUTSCH	M81969/14-03	101033	16	151071	151122	Plastic Equiv
M15570-20	DEUTSCH	M81969/14-02	100803	20	150801	150802	Plastic Equiv
M15570-22	DEUTSCH			22	550481	550482	
M15570-22-1	DEUTSCH			22	550351	550472	
M24308/18-2	POSITRONICS	M81969/39-01	100693	20	200721	200762	Plastic Equiv
M81515-12	DEUTSCH	M81969/16-03	101463	12	CALL FACTORY	CALL FACTORY	
M81515-16	DEUTSCH	M81969/16-02	100883	16	CALL FACTORY	CALL FACTORY	Metal Tool
M81515-20	DEUTSCH	M81969/16-01	100583	20	CALL FACTORY	CALL FACTORY	Metal Tool
M81515-23	DEUTSCH	M81969/16-04	100483	23	CALL FACTORY	CALL FACTORY	
M83723/31-12	MIL-STD.	M81969/14-04	101553	12	151601	151602	Plastic Equiv
M83723/31-16	MIL-STD.	M81969/14-03	101033	16	151071	151122	Plastic Equiv
M83723/31-20	MIL-STD.	M81969/14-02	100803	20	150801	150802	Plastic Equiv
M83723/31-22D	MIL-STD.	M81969/14-01	100503	22D			Plastic Equiv
M83723/32-00	MIL-STD.	M81969/29-04		0		105652	
M83723/32-04	MIL-STD.	M81969/29-03		4		104262	
M83723/32-08	MIL-STD.	M81969/29-02	102712	8		102812	Metal Pliers-MILC-5015
MS18278-1	MIL-STD.	M81969/39-01	100693	20	200721	200762	Plastic Equiv
MS27509A-12	MIL-STD.	M81969/14-04	101553	12	101601		Plastic Equiv
MS27509A-16	MIL-STD.	M81969/14-03	101033	16	101091		Plastic Equiv
MS27509A-20	MIL-STD.	M81969/14-02	100803	20	100781		Plastic Equiv
MS27509A-22	MIL-STD.	M81969/14-01	100503	22	100601		Plastic Equiv
MS27509R-12	MIL-STD.	M81969/14-04	101553	12		101602	Plastic Equiv
MS27509R-16	MIL-STD.	M81969/14-03	101033	16		101092	Plastic Equiv
MS27509R-20	MIL-STD.	M81969/14-02	100803	20		100782	Plastic Equiv

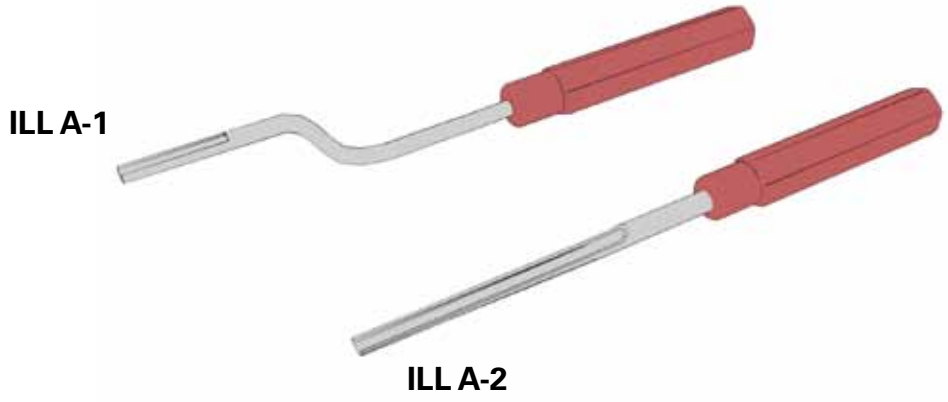


PLASTIC TOOLS

PART NO	MANF'R	MIL-SPEC	PLASTIC	SIZE	METAL EQUIVALENT		DESCRIPTION
					INSTALL	REMOVAL	
MS27509R-22	MIL-STD.	M81969/14-01	100503	22		100602	Plastic Equiv
MS27534-12	MIL-STD.	M81969/14-04	101553	12	101601	101602	Plastic Equiv
MS27534-16	MIL-STD.	M81969/14-03	101033	16	101091	101092	Plastic Equiv
MS27534-20	MIL-STD.	M81969/14-02	100803	20	100781	100782	Plastic Equiv
MS27534-22	MIL-STD.	M81969/14-01	100503	22	100601	100602	Plastic Equiv
MS27534-22D	MIL-STD.	M81969/14-01	100503	22D	100501	100502	Plastic Equiv
MS3156-16	MIL-STD.	M81969/1-01	100533	16	151071	151122	Metal Functional Equivilent
MS3156-20	MIL-STD.	M81968/1-02		20	200711	200712	
MS3156-22	MIL-STD.	M81969/1-03	101123	22	200541	200532	Joggled Tool
MS3160-12	MIL-STD.	M81969/16-03	101463	12	CALL FACTORY	CALL FACTORY	
MS3160-16	MIL-STD.	M81969/16-02	100883	16	CALL FACTORY	CALL FACTORY	Metal Tool
MS3160-20	MIL-STD.	M81969/16-01	100583	20	CALL FACTORY	CALL FACTORY	Metal Tool
MS3160-22	MIL-STD.	M81969/16-04	100483	22	CALL FACTORY	CALL FACTORY	
MS3165-0	MIL-STD.	M81969/29-04		0		105652	
MS3165-4	MIL-STD.	M81969/29-03		4		104262	
MS3165-8	MIL-STD.	M81969/29-02	102712	8		102812	Metal Pliers-MIL-C-5015
MS3447-12	MIL-STD.	M81969/14-04	101553	12	151601	151602	Plastic Equiv
MS3447-16	MIL-STD.	M81969/14-03	101033	16	151071	151122	Plastic Equiv
MS3447-20	MIL-STD.	M81969/14-02	100803	20	150801	150802	Plastic Equiv
RXT 12-9	BURNDY	M81969/14-04	101553	12	101601	101602	Plastic Equiv
RXT 16-9	BURNDY	M81969/14-03	101033	16	101091	101092	Plastic Equiv
RXT 20-36	BURNDY	M81969/14-02	100803	20	100781	100782	Plastic Equiv
RXT 22-1	BURNDY	M81969/14-01	100503	22	100601	100602	Plastic Equiv
RXT 24-3	BURNDY	M81969/14-01	100503	22M	100501	100502	Plastic Equiv
TP-201343-12	PYLE NATIONAL	M81969/14-04	101553	12	151601	151602	Plastic Equiv
TP-201343-16	PYLE NATIONAL	M81969/14-03	101033	16	151071	151122	Plastic Equiv
TP-201343-20	PYLE NATIONAL	M81969/14-02	100803	20	150801	150802	Plastic Equiv
TP-20139-20	PYLE NATIONAL	M81969/14-02	100803	20	300781	300782	Plastic Equiv
TP-20139-22D	PYLE NATIONAL	M81969/14-01	100503	22D	300501	300502	Plastic Equiv

TOOL ILLUSTRATIONS

INSTALLATION TOOLS
Series from 8 to 22 D
Using color coded handles and
replacement tips



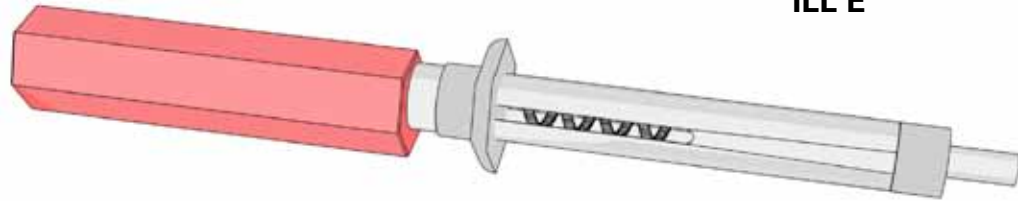
Class L
MIL-C-22992
Sizes 4/0-6



TOOL ILLUSTRATIONS

Front Release Tools

Designed with a “floating” tip action, the tools are ideal for MIL-C-22857 and MIL-C-81511 Series 1 and 2 connectors. Typical applications are Hughes and Winchester connectors.



ILL E



ILL F



ILL G



ILL H

TOOL ILLUSTRATIONS

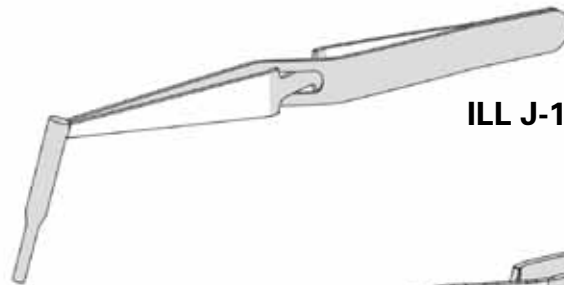
Single tool, double application is accomplished by a double-ended quill, removes pins & sockets by reversing quill.



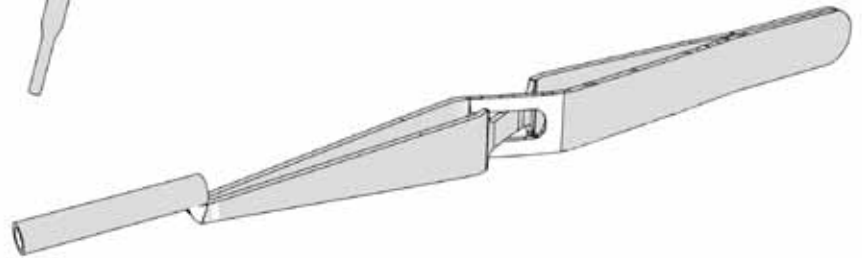
ILL I

Tweezer Tools

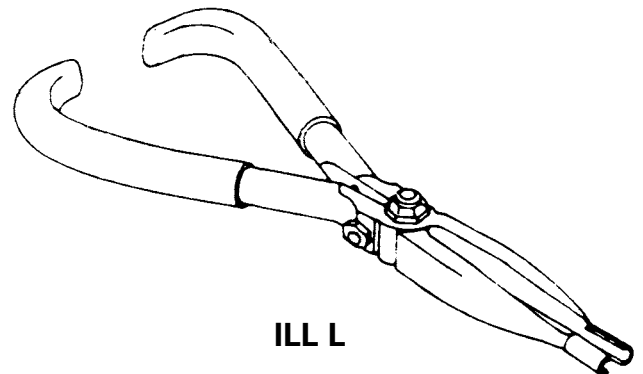
Rear release and installation tools. Tooling designed around MIL-C-38999, NAS 1599, MIL-C-005015, and MIL-C-83723 connector requirements. These tools can be modified to customer's specifications.



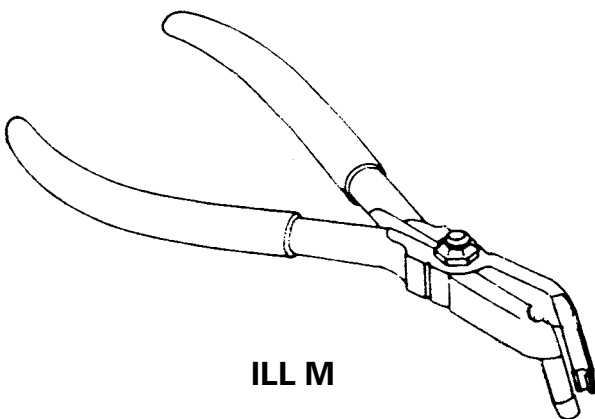
ILL J-1



ILL J-2



ILL L



ILL M

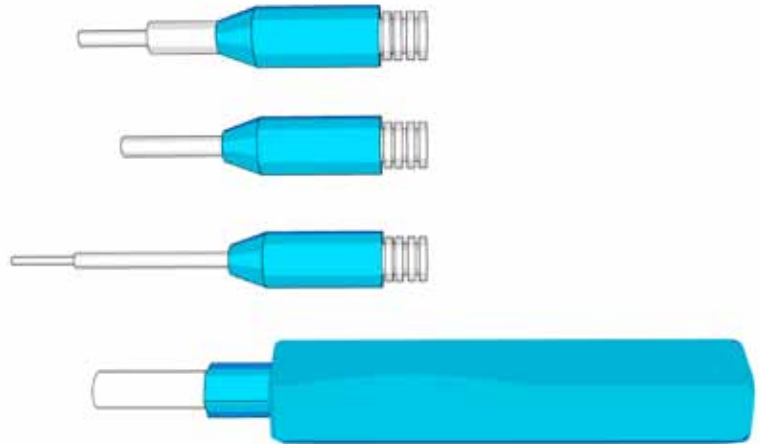
Bendix Connector Tools

Designed to service Bendix CE, SE, AN/MS and type F contacts. Sizes 8, 12, 16 & 20.

TOOL ILLUSTRATIONS

Kit Tools

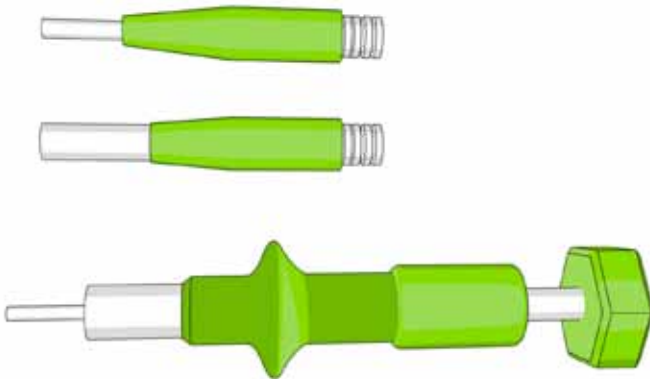
Amphenol and Bendix removal kits. Using interchangeable tips you may install and remove pins and sockets ranging in sizes of 8 thru 20.



ILL N Bendix Kit Illustrated

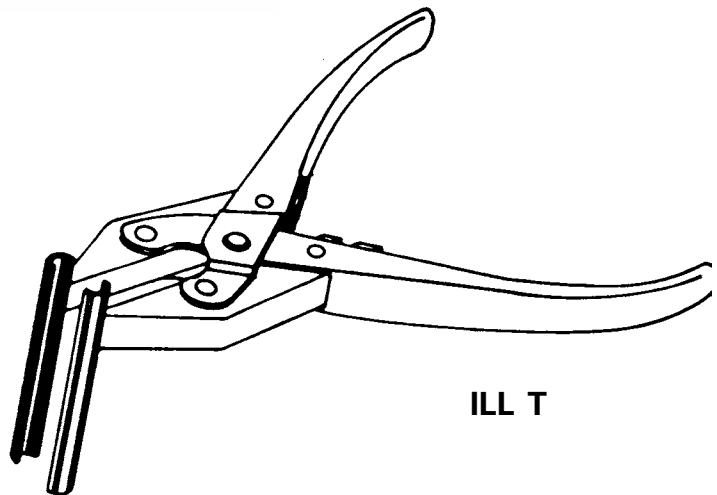
ILL P Similar to Amphenol

ILL R



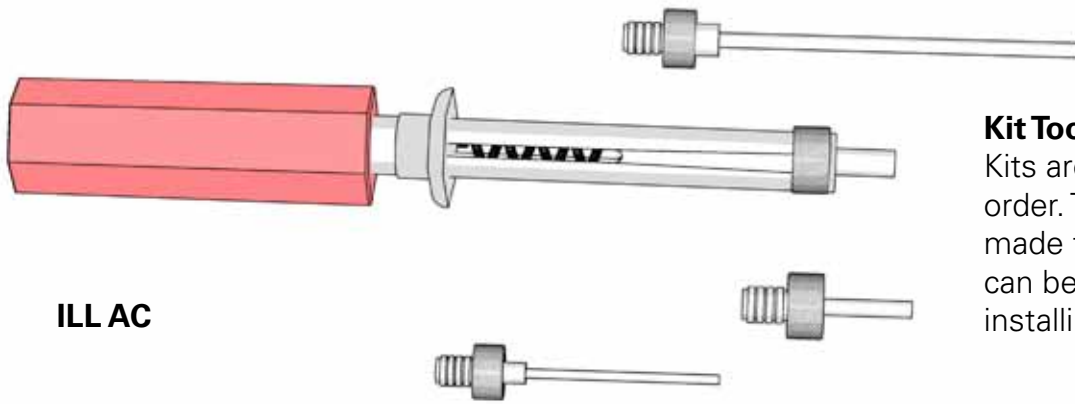
Kit Tools

Unwired contact removal tools used with MIL-C-83723 NAS 1599, MIL-C-8511 series 3 and 4 covers sizes 12-23.



ILL T

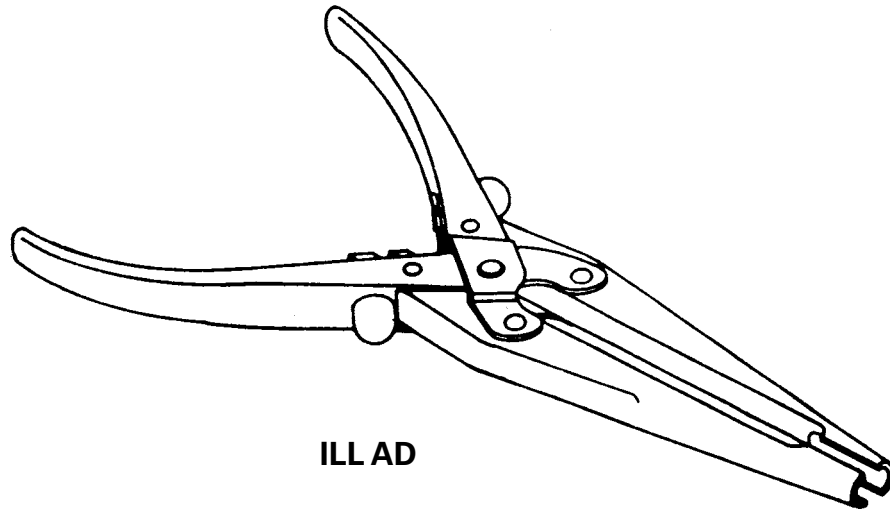
TOOL ILLUSTRATIONS



ILLAC

Kit Tools

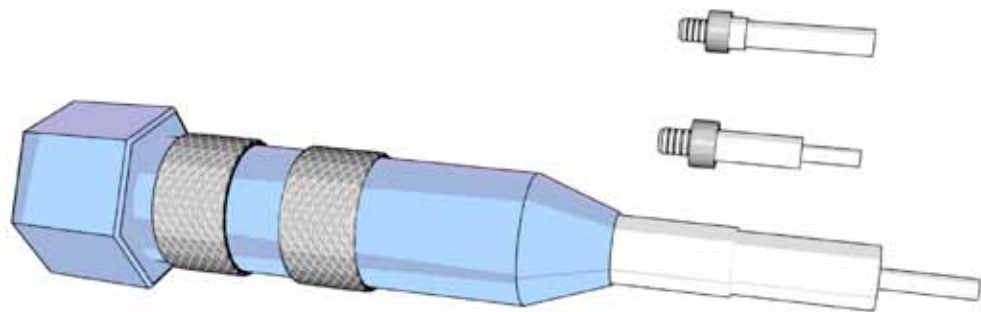
Kits are available by special order. These tools are custom made to your applications. Kits can be arranged for removal, installing or both.



ILLAD

Impact Tools

Typical of tools used for ITT Cannon connectors. Sizes from coax to 20 gage.



ILLAE

TOOL ILLUSTRATIONS



ILL AF

Removal tools
M81969/22
Available in sizes 16,20 & 22 gage



ILL AG

ILL AH

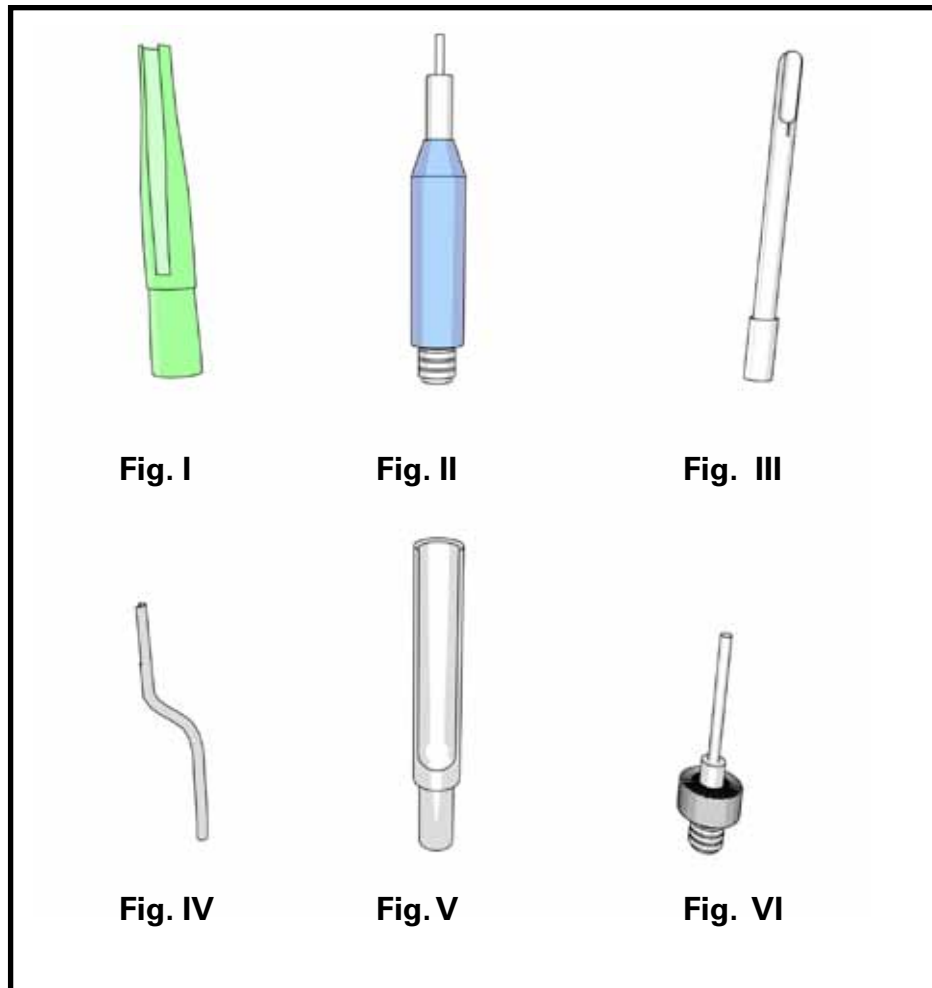


Fig. I

Fig. II

Fig. III

Fig. IV

Fig. V

Fig. VI