

TOTAL SHEETS-

USED ON  
MODEL-

AX5175  
AX5176

FOR

MODEL KIT426

TITLE AUTOMATED ANTENNA TUNER

(ATSA-3) UP-DATING KIT

LAST SYMBOLS

CONSISTS OF  
SUPPORTING LISTS

REVISIONS

REV.	SHEET(S)	DATE	APPR.

\*NOTE

ENCLOSED ARE COMPONENTS AND DRAWING NUMBERS  
NEEDED FOR UP-DATING AN (ATSA-3).

MISSING SYMBOLS

COMPILED RU

CHECKED \_\_\_\_\_

KEY PUNCHED \_\_\_\_\_

ENGINEERING JOB ORDER

# E \_\_\_\_\_

§ FOR SPECIAL NOTES,  
REFER TO S1200.

# MATERIAL LIST

AX5175

PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
A5639	ASS'Y, PRE-POSITION	AX5175	1	1	A105	
CC131-48	CAP, FXD	A4936	4	2	C15, C15 C16, C16	
CE105-50-25	CAP, FXD, ELEC	A4938	1	1	C17	
CX118P5R5N30C1	CAP, FXD, (NP)	A4939	1	1	C21	
CC100-43	CAP, FXD,	A4939	1 2	1 1	C19 C20	
MS6795	BRACKET, MTG RELAY	AX5175	1	1	XK101	
RC07GF471J	RES, FXD, COMP.	A4936	2	2	R29, R29	
RC07GF332J	RES, FXD, COMP.	A4936	2	2	R30, R30	
RC07GF242J	RES, FXD, COMP.	A4936	2	2	R31, R31	
RC07GF223J	RES, FXD, COMP.	A4936	2	2	R32, R32	
RC07GF103J	RES, FIX, COMP.	A4936	2	2	R26, R26	
RC07GF562J	RES, FIX, COMP.	A4936	2	2	R9, R9	
RC07GF101J	RES, FIX, COMP.	A4936	2	2	R28, R28	
RC07GF105J	RES, FIX, COMP.	A4938	1	1	R56	
RC07GF222J	RES, FIX, COMP.	A4938	1	1	R28	
RC07GF472J	RES, FIX, COMP.	A4938	2	1 1	R42 R46	

# MATERIAL LIST

PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S I200
RC07GF152J	RES, FIX, COMP	A4938	1	1	R48	
RC07GF392J	RES, FIX, COMP	A4938	1	1	R47	
RC32GF332J	RES, FIX, COMP	A4946	1	1	R1	
RC42GF272J	RES, FIX, COMP	A4945	1	1	R1	
RC32GF821J	RES, FIX, COMP	AX5175	1	1	R114	
TS171-1	SOCKET RELAY	AX5175	1	1	XK101	
CU163	RETAINER, RELAY	AX5175	1	1		
SCBP0632SR	SCREW, 1/2 INCH LONG	AX5175	2	2		
	NUTS	AX5175	2	2		
	WASHERS, LOCK	AX5175	2	2		
RL156-14	RELAY,	AX5175	1	1	K101	
DRILL BIT FOR	13/64 DIA. HOLE					
2N2222	TRANSISTOR	A4936	2	2	Q7, Q7	
1N645	DIODE	A4938		1	CR14	
		AX5175	2	1	CR104	
MFG/PN UA741	NETWORK, OP AMP	A4936		2	Z1, Z1	
		A4936		2	Z2, Z2	
		A4935		1	Z1	
		A4938		1	Z2	
LWC24(7)U2	WIRE, INSUL 24 INCHS	AX5175				
LWC24(7)U3	WIRE, INSUL 24 INCHS	AX5175				

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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
LWC24(7)U4	WIRE, INSUL 24 INCHS	AX5175				
LWC24(7)U5	WIRE, INSUL 24 INCHS	AX5175				
LWC24(7)U6	WIRE, INSUL 24 INCHS	AX5175				
LWC24(7)U7	WIRE, INSUL 24 INCHS	AX5175				
LWC26(7)U1	WIRE, INSUL 24 INCHS	A4939				
IMPORTANT!						
<u>LIST OF DRAWINGS NEEDED TO BE SENT TO COMPLETE MODIFICATIONS</u>						
A4936	ASS'Y DRAWING					
A4938	ASS'Y DRAWING					
A5639	ASS'Y, DRAWING					
A4939	ASS'Y DRAWING					
A4935	ASS'Y DRAWING					
A4946	ASS'Y DRAWING					
A4945	ASS'Y DRAWING					
CK2054	SCHEMATIC, (A102, A104)					
CK2128	SCHEMATIC (A105)					
CK2052	SCHEMATIC (A101)					
CK2055	SCHEMATIC (A103)					
CK2056	SCHEMATIC					
CK2051	SCHEAMTIC (OVERALL)					

TOTAL SHEETS- 2

USED ON  
MODEL-

REVISIONS

REV.	SHEET(S)	DATE	APPR.
X1	SH. 1	3-23-77	

FOR


MODEL P/of KIT 426

TITLE \_\_\_\_\_

MODIFICATIONS FOR MMX( ) & SYSTEMS

LAST SYMBOLS

CONSISTS OF  
SUPPORTING LISTS

COMPILED 

CHECKED \_\_\_\_\_

KEY PUNCHED \_\_\_\_\_

MISSING SYMBOLS

ENGINEERING JOB ORDER

# E \_\_\_\_\_

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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
CK2067	(DRAWING, SCHEMATIC) (2 SHEETS)	MMX ( )	1	1	CR213, CR212	
1N645	DIODE,	MMX ( )	8	8	CR213, CR212	
RC07GF511J	RESISTOR	MMX ( )	1	1	R218	
RC07GF122J	RESISTOR	MMX ( )	1	1	R219	
LWC24(7)U2	(6 FEET)	(HFTA SERIES)	1	1		
LWC24(7)U3	(6 FEET)	(HFTA SERIES)	1	1		
CA1828	CABLE, HARNES	(GPT SERIES)	1	1		
(USE ONLY WITH GPT SERIES TRANSMITER)	(6 FEET)	GPT ( )	1	1		
LWC24(7)U5	6 FEET	GPT ( )	1	1		

TOTAL SHEETS-

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CONSISTS OF  
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FOR

MODEL P/OF KIT 426

TITLE MODIFICATIONS FOR AX5176  
CAPACITOR ASSEMBLY

LAST SYMBOLS

MISSING SYMBOLS

REVISIONS

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ENGINEERING JOB ORDER  
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# MATERIAL LIST

AX5176 (TUNER)

PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
COMPONENTS	FOR (CAPACITOR ASSEMBLY)					
DRAWING	(AX5189 DRAWING)					
BB117-5	NYLON, BEARING	AX5176	1	1		
BB101	BUSHING, THREADED WITH HARDWARE.	AX5176	1	1		
FW37HBN	FLAT, WASHER	AX5176	2	2		
LWI25MRN	LOCK, WASHER	AX5176	1	1		
MS6781	PLATE, BEARING	AX5176	1	1		
MS6464-2	PLATE, SHAFT, SUPPORT	AX5176	1	1		
LWE08MRN	LOCK, WASHER	AX5176	2	2		
FW08HBN8	FLAT WASHER	AX5176	2	2		
PM519	CAP, SHAFT	AX5176	1	1		
PM691FF2.00S	SHAFT FLAT	AX5176	1	1		
SM0832BN875	THREADED STUD	AX5176	2	2		
TE0832AE58H	SPACER, THREADED	AX5176	2	2		
SLHC0632SP5	ALLEN SCREW	AX5176	6	6		
WR100-3	ALLEN WRENCH	AX5176	3	3		
DRILL NO. 36	DRILL FOR ALLEN SCREW	AX5176	1	1		



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PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
TAP 6-32	TAP FOR ALLEN SCREW	AX5176	1	1		
GLYPTAL 1201 RED ENAMAL	(GENERAL ELEC)	AX5176	X	X		
CC100-44	CAP, FXD	AX5176	2	2		
MC102	COUPLER	AX5176	1	1		
RV4NAYSA102B WITH HARDWARE	RES, VAR COMP	AX5176	1	1		
TE111-2	GND, LUG	AX5176	1	1		
MS6581	BRACKET, RESISTOR	AX5176	1	1		

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TITLE \_\_\_\_\_

MODIFICATIONS FOR AX5176 COIL ASSEMBLY

LAST SYMBOLS

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AX5176 (TUNER)

PART NUMBER	DESCRIPTION	USED ON	QTY.	QTY. PER UNIT	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
COMPONENTS DRAWING BB101	FOR (COIL ASSEMBLY) (AX5178 DRAWING) BUSHING, THREADED WITH HARDWARE	AX5176	1	1		
FW37HBN	WASHER FLAT	AX5176	3	3		
FW #8 SCREW	WASHER FLAT	AX5176	4	4		
FW #6 SCREW	WASHER FLAT	AX5176	8	8		
NTH #6 SCREW	NUT (6032 SCREW)	AX5176	4	4		
NTH #8 SCREW	NUT (8-32 SCREW)	AX5176	4	4		
GR109-2	GEAR	AX5176	1	1		
GR205-18	GEAR	AX5176	1	1		
MS6585	BRACKET, RES	AX5176	1	1		
MS6584	PLATE, GEAR	AX5176	1	1		
PM691FF2.005	SHAFT,	AX5176	1	1		
WASHER, BEARING	SEE P/OF CB147	AX5176	1	1		
PN59-.062-8	PIN,	AX5176	1	1		
TE0632AE48H	STANDOFF,	AX5176	1	1		
SLHC0632SPS	ALLEN SCREW		6	6		
WR100-3	ALLEN WRENCH #6		3	3		