

PRELIMINARY

MATERIAL LIST

FINAL

TOTAL SHEETS **14**

FOR

REVISION

TMC MODEL - **AP153**

TITLE - **POWER SUPPLY**

REV.	SHEET(S)	DATE	APPR.
X		1 Aug 72	<i>B.M.</i>
X1	1, 3	22 Aug 72	<i>B.M.</i>
X2	14	30 Oct 72	<i>J</i>
<i>Ø</i>	<i>Original Release</i>	<i>3-30-72</i>	
A	Shts., 5, 7	12/15/77	
B	21842	9-25-80	d
C	SHT 5 of 14	6-11-82	21955

USED ON
MODEL -

HFL()-10K/REV A (AX5163)

HFL()-10K/Rev. B (AX5233)

CONSISTS OF
SUPPORTING LISTS

A4817
AX5296
AX5181

LAST SYMBOLS SYMBOLS NOT USED

NOTE:

Use the following XFMRs for 380 to 440 volt operation (only)

- A. TF203 is replaced with TF437
- B. TF386 is replaced with TF438
- C. TF342 is used only for 380-440 V.

COMPILED B.NAP
CHECKED _____
ENG APPR _____
FNL APPR 02.03
ISS DATE 3/30/73

ENGINEERING JOB NUMBER

E _____

§ FOR SPECIAL NOTES,
REFER TO S1200.

REV. A

TOTAL SHEET 1 OF

ASSY SHEET 1 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

NEXT ASSY:	QTY PER NEXT ASSY:	ASSY TITLE: POWER SUPPLY			ASSY PART NO.: AP153			
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M	QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
PART NUMBER (20 digits)	DESCRIPTION (14 digits)	ITEM LOCATION						
A1654-2	CONT, RF	AP153		1		E816		
		AP153		1	2	E817		
A4817	SCOND DEV ASSY	AP153		1	1		1	
AX5096	SHORTING RELAY ASSY	BMA487		1	1	A801	1	
AX5101	CHAS ASSY INP	AP153		1	1		1	
BL145	FAN, CENT, 3PH	AP153		1	1	B801		
BMA486	SCOND RECT ASSY	AP153		1	1			
BMA487	CHAS ASSY, XFMR	AP153		1	1			
CA409-105-18.00	LEAD ELEC	AP153		1	1		CR802-L801	X1
CA409-107-24.00	LEAD ELEC	AP153		1	1		T801-L802	

TOTAL SHEET 2 OF
 ASSY SHEET 2 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
PART NUMBER (20 digits)	DESCRIPTION (14 digits)							
CA409-231-11.00	LEAD, ELEC	AP153		1	1			
CA409-231-18.00	LEAD, ELEC	AP153		1	1		CR802-C801	
							L801-C801	
CA409-232-9.00	LEAD, ELEC	AP153		1	1			
							C801-GND	
CA412-2-11.00	LEAD, ELEC	AP153		1	1			
CA412-2-13.00	LEAD, ELEC	AP153		1	1		T801-CR802	
CA412-2-15.00	LEAD, ELEC	AP153		1	1		T801-CR802	
							T801-CR802	
CA412-2-16.00	LEAD, ELEC	BMA487		1	1			
CA412-2-28.00	LEAD, ELEC	BMA487		1	1			
							C804-A801	
							C802-A801	
CA412-11-18.50	LEAD, ELEC	BMA487		1	1			
							L802-C802	
CA412-30-6.00	LEAD, ELEC	BMA487		1	1			
CA412-30-7.00	LEAD, ELEC	BMA487		1	1			
CA412-30-10.00	LEAD, ELEC	BMA487		1	1			
							C804-CR804	
							C804-R811	
							C804-L803	
CA412-35-11.00	LEAD, ELEC	AP153		1	1			
CA412-36-6.00	LEAD, ELEC	AP153		1	1			
							C802-GND	
							CR805-GND	

TOTAL SHEET 3 OF

ASSY SHEET 3 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ASSY TITLE:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
			USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
PART NUMBER (20 digits)	DESCRIPTION (14 digits)								
CA412-51-35.00	LEAD, ELEC	AP153			1	1		HV	
CA412-86-6.00	LEAD, ELEC	AP153			1	1		CB01-RB04	
CA412-87-4.00	LEAD, ELEC	AP153			1	1		RB03-RB04	
CA412-87-6.00	LEAD, ELEC	AP153			1	1		RB07-GND	
CA412-88-4.00	LEAD, ELEC	BMA 487			1	1		TB02-RB09	
CA412-89-24.00	LEAD, ELEC	AP153			1	1		CB01-AB01	
CA582-3	CBL ASSY, RF	AP153			1	1			
CA682-2	WRG HARN, BRUCHD	AP153			1	1			
CA1561	CBL, PWR INP	AP153			1	1			
CA1562	CBL, PWR	AP153			1	1			
CA1563	CBL, IPA FILA	AP153			1	1			
CA1564	CBL, SCREEN INP	BMA487			2	2			
CA1565	CBL, AIR SW	AP153			1	1			
CA1722	CBL, FILA	AP153			1	1			X1

TOTAL SHEET 4 OF
 ASSY SHEET 4 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
PART NUMBER (20 digits)	DESCRIPTION (14 digits)							
CC109-38	CAP, FXD, CER	AP153		1		C805		
		AP153		1		C806		
		AP153		1	3	C807		
CL178	COIL, FXD, RF	AP153		1	1	L804		
CP07FJ5	RET, CAP	AP153		2				
		BMA487		2	4			
CP07FJ6	RET, CAP	BMA487		2	2			
CPI03	CAP, FXD, P	AP153		1	1	C801		
CPI05	CAP, FXD, P	AP153		1		C803		
		BMA487		1	2	C804		
CU142-2	STRAP, CBL	AP153		4	4			
CU151-1	RET, STRAP	AP153		4	4			
CX113-2	CAP, FXD, PLST	BMA487		1	1	C802		

TOTAL SHEET 5 OF

ASSY SHEET 5 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
PART NUMBER (20 digits)	DESCRIPTION (14 digits)							
DD128-3	RECT, SCOND DEV	BMA486		1	6	CR82A CR82B CR82C CR82D CR82E CR82F		
DD129	RECT, SCOND DEV	BMA487		1	2	CR83 CR84		
DD150	RECT, SCOND DEV	AP153		1	1	CR85		
FP208	COVER, AC TERM	AP153		1	1			
FC123	CLIP, ELEC	AP153		6	6			
LD2376/PX1286	BD, INP TERM	AP153		1	1			
LD2377/MS5628	PLY, MTG, DIO	BMA487		1	1			
LD2378/MS5542	CHAS, XFMR	BMA487		1	1			
LD2382/MS5541	BRKT, MTG, REL	AP153		1	1			
LD2382/MS5525	BRKT, MTG, INP	AP153		1	1			

TOTAL SHEET 6 OF

ASSY SHEET 6 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ASSY TITLE:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
			USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
PART NUMBER (20 digits)	DESCRIPTION (14 digits)								
MS1478	PL, RES MTB	AP153			1	1			
MS1479	PL, RES, MTB	AP153			4	4			
MS1498	HEAT SINK	BMA487			6	6			
MS1642	COV, CONT	AP153			1	1			
MS3284-75	PLATE	AP153			3	3			
MS4584-5	STRAP ELEC	BMA486			2	2			
MS4584-6	STRAP, ELEC	BMA486			3	3			
MS4906	BRKT, MTB, RECT	BMA486			2	2			
MS5146-2	BRKT, MTB, CAP	AP153			2	2			
MS5148-5	BRKT, MTB, XFMR	AP153			2	2			
MS5525	BRKT, MTB, INP	LD2382/MS5525			1	1			
MS5540	CHAS, XFMR	LD2378/MS5540			1	1			
MS5541	BRKT, MTB, REL	LD2380/MS5541			1	1			
MS5608	PL, MTB, DIO	LD2377/MS5608			1	1			
MS5610	BRKT, CBL GUIDE	AP153			1	1			
MS5620	BRKT, ZENER	BMA487			1	1			
MS5640	BRKT, AIR SW MTB	AP153			1	1			

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 ASSY SHEET 7 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	PART NUMBER (20 digits)	DESCRIPTION (14 digits)	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
				USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
		MS6339	MOUNT, BLOWER	AP153		2	2			
		MS6367	BRKT, BLOWER MTE	AP153		1	1			
		MS6368	COV, BLOWER GRILL	AP153		1	1			
		MS6369	BRKT, DUCT	AP153		4	4			
		MS6370	BRKT, DUCT	AP153		4	4			
		MS6803	MTG PLATE, D10.	AP153		1	1			
		NS3W2105	STANDOFF, INS	BMA487		6	6			
		NT139SC06-15	HELI-COIL	TE204-7R	1ZE2	8	8			
		NT139SF1-15	HELI-COIL	TE204-12	R28E4	4	4			
		NT139SF1-20	HELI-COIL	PX1019		24	24			
		PL253-1	CONN, PL, HN	CA582-3		1	1	P801		
		PO168-4	VANE, AIR SW	AP153		1	1			
		PO183	CONT KIT, SGL	AP153		1		E809	33	
				AP153		1		E810	33	
				AP153		1	3	E811	33	

TOTAL SHEET 8 OF

ASSY SHEET 8 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

NEXT ASSY:	QTY PER NEXT ASSY:	ASSY TITLE: POWER SUPPLY		ASSY PART NO.: API53		REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M	QTY. PER ASSY.			
PART NUMBER (20 digits)	DESCRIPTION (14 digits)	ITEM LOCATION						
PX100-1-294	INS, SLUG, BLK	CA412-51		-	-			
PX104-1-034	INS, SLUG, BLK	API53		-	-			
PX104-3-034	INS, SLUG, RED	API53		-	-			
PX370-8-7	INS, SLUG, TEFL	API53		-	-			
		CA412		-	-			
PX370-14-7	INS, SLUG, TEFL	API53		-	-			
		CA412		-	-			
PX370-20-7	INS, SLUG, TEFL	API53		-	-			
PX1017	BD, MTG, RECT	BMA486		2	2			
PX1019	BD, MTG, RES	API53		2	2			
PX1031-2	PL, INS	API53		1	1			
PX1077	INS, MTG, CONT	API53		1	1			
PX1086	BD, INP TERM	LD2376/PX1086		1	1			
RC426F101J	RES, FXD, COMP	BMA487		1		R830		
		BMA487		1	2	R831		
RC426F102J	RES, FXD, COMP	API53		1	1	R815		
RC426F331J	RES, FXD, COMP	API53		1		R814		
		API53		1	2	R816		

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 ASSY SHEET 9 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
PART NUMBER (20 digits)	DESCRIPTION (14 digits)							
RL132-3	REL, SOL, 3P	AP153		1	1	K821		
RL184-1	REL, ARM	AP153		1	1	K822		
RW125-29	RES, FXD, WW	BMA487		1		R829		
		BMA487		1	2	R812		
RW129-7	RES, FXD, WW	BMA487		1		R833		
				1		R834		
				1		R835		
				1		R836		
				1		R837		
		BMA487		1	2	R838		
RW112-3	RES, FXD, WW	AP153		1	1	R813		
RW112-7	RES, FXD, WW	AP153		1		R812		
		AP153		1		R832		
		BMA487		1	3	R811		
RW116-202B	RES, FXD, WW	AP153		1	1*	R817		X2

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ASSY SHEET 18 W 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ASSY TITLE:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
			USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
RW116-603B	RES, FXD, WW	AP153			1		R804		
		AP153			1		R805		
		AP153			1		R806		
		AP153			1	4	R807		
RW118F25Z	RES, FXD, WW	AP153			1	1	R801		
RW118F310	RES, FXD, WW	AP153			1	1	R803		
RW118F50Z	RES, FXD, WW	AP153			1	1	R802		
RY16Z	BOOT, BLOWER	AP153			1	1			
SCHH2520BN24	SCR, MACH, HH	AP153			1	1	E808		
SCHH3118BN24	SCR, MACH, HH	AP153			1		E805		
		AP153			1		E806		
		AP153			1	3	E807		
SH106-5	MOUNT, RESIL	AP153			4	4			
SM107-51	INSERT, HEX	A1654-2			2	2			

TOTAL SHEET 11 OF
 ASSY SHEET 11 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

NEXT ASSY:	QTY PER NEXT ASSY:	ASSY TITLE: POWER SUPPLY			ASSY PART NO.: AP153		
		ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200
PART NUMBER (20 digits)	DESCRIPTION (14 digits)	USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M			
SM1Q32BN0.75Q	STUD, THD	AP153		1 1			
SM1Q32BN1.0Q	STUD, THD	AP153		1 1			
SM1Q32BN1.25Q	STUD, THD	AP153		1 1			
SM1Q32BN5.5Q	STUD, THD	BHA 487		2 2			
SM252QBN1.5Q	STUD, THD	AP153		2 2			
SN1Q4-8	SCREEN	AP153		1 1			
SP128-2	SPRING, COMP	A1654-2		2 2			
SW252	SW, SENS	AP153		1 1	S8Q1		
TE1Q2-2	TERM, TURRET	AP153		1	E812		
		AP153		1 2	E813		
TE1Q2-3	TERM, TURRET	AP153		1 1			

TOTAL SHEET 12 OF

ASSY SHEET 12 # 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
PART NUMBER (20 digits)	DESCRIPTION (14 digits)							
TE104-2	TERM LUG, LKG	AP153			3			
		BMA487			3	6		
TE104-3	TERM LUG, LKG	BMA487			1	1		
TE117-11	SPCR, SLV	BMA487			8	8		
TE149-144	TERM LUG	AP153			3	3		
TE204-7R1ZE2	SPCR, INS	BMA487			4	4		
TE204-12R28E4	SPCR, INS	AP153			4	4		
TE0632AE0.750HS	POST, ELEC-MECH	AP153			6	6		
TE1032AE1.312RB	POST, ELEC-MECH	AP153			1	1		

TOTAL SHEET 13 OF

ASSY SHEET 13 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

ASSY TITLE: POWER SUPPLY

ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	DESCRIPTION (14 digits)	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
			USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
TF223 (A)		XFMR, SEE NOTE (A)	AP153		1	1	T821		
TF384		XFMR, PWR, SD	AP153		1	1	T823		
TF386 (B)		XFMR, SEE NOTE (B)	BMA487		1	1	T822		
TF421		XFMR, PWR, SD	AP153		1	1	T824		
TF5213		REACTOR, 7h	BMA487		1	1	L823		
TF5234		REACTOR, 5h	BMA487		1	1	L822		
TF5235		REACTOR, .8h	BMA487		1	1	L821		
TF342 (C)		XFMR, SEE NOTE (C)	AP153		1	1	T803		
TI125-1		TIMER, INTERVAL	BMA487		1	1	M821		
TS196-1		SOC, REL	AP153		1	1	XK822		
WA12-4		WASH, SHLD, NM	BMA487		12	12			
WA12-5		WASH, SHLD, NM	AP153		6				
			BMA487		2	8			
			AP153						
WA12-8		WASH, SHLD, NM	BMA487		4	4			
WA12-36		WASH, FLAT, NM	BMA487		6	6			
			AP153		4	4			

TOTAL SHEET 14 OF

ASSY SHEET 14 OF 14

PRELIMINARY MATERIAL LIST/NUMERICAL PARTS LIST

USED ON MODEL: AX5163

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ASSY PART NO.: AP153

NEXT ASSY:	QTY PER NEXT ASSY:	ITEM LOCATION			QTY. PER ASSY.	REFERENCE SYMBOLS	SPECIAL NOTES REFER TO S1200	REV.
		USED ON ASSEMBLY	USED TO MOUNT	QTY PER U/T/M				
PART NUMBER (20 digits)	DESCRIPTION (14 digits)							
WL100-1	WIRE, ELEC, BUSS	AP153		-	-			
		BMA487		-	-			
WL100-4	WIRE, ELEC, BUSS	BMA487		-	-			
WL100-6	WIRE, ELEC, BUSS	BMA487		-	-			
IN2846A	SCOND DEV, DIO	BMA487		1		CR807A		
		BMA487		1	2	CR807B		
IN3022B	SCOND DEV, DIO	AP153		1	1	CR806		
10/30/72 REV X2	EMN 20925							