

TOTAL SHEETS 10

REV, Ø 8 APR. 68

A 30 APR. 68

B 17 DEC. 68

C 2 JAN. 69

D 28 FEB. 69

E 17 APR. 69

USED ON F 19 JUN. 69.

G 19 AUG. 69.

SECTION QTY.

H 5 SEPT 69

J 8 JUN. 70

K 7 JUN. 72

L 24 AUG 78

MODEL

AX10047

TITLE

CHAS ASSY MAIN

MODEL

AMC 21-

AMC 21A-

AMC 21B

SHEET NO.

SEE BELOW

LIST SECTIONS

1. SUPPORTING NOTES
2. SUPPORTING LISTS
3. ELECTRICAL/MECHANICAL
4. SUPP ASSY/REF DWGS
5. SPECIFICATIONS
6. LOOSE ITEMS
7. PARTS PECULIAR

COMPILED
 CHECKED
 APPROVED
 FNL APPR
 ISS DATE

SUPPORTING LISTS

A10746-5 PC BD ASSY, REGULATOR
 FX10024 FILTER ASSY, AC LINE

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 1 OF 10

ASSY SHEET 1 OF 1

USED ON MODEL: AMC 21-, AMC 21A- AMC 21B

USED ON SECTION:

ASSY LEVEL:

ASSY DESC: CHAS ASSY, MAIN

ASSY PART NO: AX10047 ✓

LIST SECTION

| LIST SECTION | PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|--------------|-----------------|---------------------|------------------|---------------|---------------|----------------|-------------------|---------|
| | | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| 2 | ALC683-5 | PC BD ASSY, PWR SUP | AX10047 | | | 1 | | |
| 4 | BMA10689 | PL ASSY, SD, RIGHT | AX10047 | | | 1 | | |
| 4 | BMA10690 | PL ASSY, SD, LEFT | " | | | 1 | | |
| 4 | BMA10691 | BRKT ASSY, SWITCH | " | | | 1 | | |
| 4 | BMA10692 | PNL ASSY, FRONT | " | | | 1 | | |
| 4 | BMA10693 | PNL ASSY, REAR | " | | | 1 | | |
| 4 | CH10163 | CHART, UNIT BKDN | AX10047 | | | 1 | | |
| | EY102-11 | GROM, RUB. | AX10047 | | | 1 | | |
| | EY102-13 | " " | " | | | 1 | | |
| | FH100-1 | FUSEHOLDER | AX10047 | | | 2 | SPARE | |
| 2 | FX10024 | FIL ASSY, AC LINE | AX10047 | | | 1 | | |
| | MC104-2 | COUPLING | AX10047 | | | 1 | | |
| | LD10295/MS10875 | SHIELD | AX10047 | | | 1 | | |
| | MS10875 | SHIELD | AX10047 MS10875 | | | 1 | | |
| | MWC18(16)U7 | WIRE ELCT, INS | AX10047 | | | 12 | | |
| | MWC18(16)U8 | " " " | " | | | 24 | | |
| | PM691FF7.00P | SHAFT | AX10047 | | | 1 | | |
| | TE104-1 | TERM, LUG, LKG | AX10047 | | | 3 | | |

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 2 OF 10

| LIST SECTION | REV | | | | | | | | | | | USED ON MODEL: | AMC 21B | | USED ON SECTION: | | | TOTAL SHEET | 2 OF 10 | | | | |
|--------------|--------------|---------------------|-------------|--|--|--|--|--|--|--|--|--------------------|---------------|---------------|------------------|----------------|-------------------|-------------|-------------------|--|------------|--------|--|
| | NEXT ASSY: | AX10047 | | | | | | | | | | QTY PER NEXT ASSY: | 1 | | ASSY LEVEL: | | | ASSY DESC: | PL ASSY, SD RIGHT | | ASSY SHEET | 1 OF 1 | |
| | PART NO. | | DESCRIPTION | | | | | | | | | | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS | | | | | |
| | | | | | | | | | | | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | | | | | | | |
| | FS102-1 | SPRING TYPE 'S' | | | | | | | | | | MS10873-1 | | | 2 | | | | | | | | |
| | MS10873-1 | PLATE, SIDE RIGHT | | | | | | | | | | BMA10689 | | | 1 | | | | | | | | |
| | MS10876 | BRKT. SHIELD MTG | | | | | | | | | | BMA10689 | | | 1 | | | | | | | | |
| | NT129-632-4 | NUT, SWAGE | | | | | | | | | | MS10873-1 | | | 6 | | | | | | | | |
| | NT129-1032-4 | NUT, SWAGE | | | | | | | | | | MS10873-1 | | | 2 | | | | | | | | |
| | RI100-094-32 | RIVET BLIND | | | | | | | | | | MS10873-1 | FS102-1 | | 4 | | | | | | | | |
| | RI10001-423 | RIVET | | | | | | | | | | MS10873-1 | MS10876 | | 3 | | | | | | | | |
| | SM123 | STANDOFF RIVET TYPE | | | | | | | | | | MS10873-1 | | | 4 | | | | | | | | |

ASSY PART NO: BMA 10689

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 3 OF 10

LIST SECTION

| | | | | | | | | | | | | | | | | | | | | |
|------------|---------|--|--|--|--|--------------------|---|-------------|--|------------|-----------------|---------|------------------|--|------------|---------------|-------------|---|--|--|
| REV | L | | | | | | | | | | USED ON MODEL: | AMC 21B | USED ON SECTION: | | ASSY SHEET | 1 | OF | 1 | | |
| NEXT ASSY: | AX10047 | | | | | QTY PER NEXT ASSY: | 1 | ASSY LEVEL: | | ASSY DESC: | PL ASSY SD LEFT | | | | | ASSY PART NO: | BMA 10690 ✓ | | | |

| PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|--------------|------------------|------------------|---------------|---------------|----------------|-------------------|---------|
| | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| FS102-1 | SPRING TYPE 'S' | MS10873-2 | | | 2 | | |
| MS10873-2 | PLATE SIDE RIGHT | BMA10690 | | | 1 | | |
| MS10876 | BRKT. SHIELD MTG | BMA10690 | | | 1 | | |
| NT129-632-4 | NUT, SWAGE | MS10873-2 | | | 8 | | |
| NT129-1032-4 | NUT, SWAGE | MS10873-2 | | | 2 | | |
| RI100-094-32 | RIVET BLIND | MS10873-2 | FS102-1 | | 4 | | |
| RI10001-423 | RIVET | MS10873-2 | MS10876 | | 3 | | |
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MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 4 OF 10

ASSY SHEET 1 OF 1

REV L

USED ON MODEL: AX10047

USED ON SECTION:

NEXT ASSY: AX10047

QTY PER NEXT ASSY: 1

ASSY LEVEL: 1

ASSY DESC: BRKT ASSY, SWITCH

ASSY PART NO: BMA10691

LIST SECTION

| PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|-----------------|----------------------|-------------------|---------------|---------------|----------------|-------------------|---------|
| | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| A10710-4 | PC BD, RF PROTECTION | BMA10691 | | | 1 | | |
| CA10508-1 | CABLE ASSY, RF | BMA10691 | | | 1 | | |
| CA10508-2 | CABLE ASSY, RF | BMA10691 | | | 1 | | |
| EY102-11 | GROM, RUB. | BMA10691 | | | 2 | | |
| LD10289 | BRKT, SWITCH, REAR | BMA10691 | | | 1 | | |
| LD10290 | BRKT, SWITCH, FRONT | BMA10691 | | | 1 | | |
| MS10872-1 | BRKT, SWITCH, REAR | LD10289/MS10872-1 | | | 1 | | |
| MS10872-2 | BRKT, SWITCH, FRONT | LD10290/MS10872-2 | | | 1 | | |
| PX10050 | SPACER | BMA10691 | | | 6 | | |
| SW10045-W | WAFER, SWITCH | BMA10691 | | | 2 | SIA, SIB | |
| TE104-1 | TERM., LUG, -LKG | BMA10691 | | | 2 | | |
| TE10020-3.750-1 | PILLAR | BMA10691 | | | 4 | | |

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 5 OF 10

ASSY SHEET 1 OF 1

REV HAL

USED ON MODEL: AX10047

USED ON SECTION:

NEXT ASSY: BMA10691

QTY PER NEXT ASSY: 1

ASSY LEVEL: 2

ASSY DESC: CABLE ASSY, RF

ASSY PART NO: CA10508-1 X

| PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|--------------|-----------------|------------------|---------------|---------------|----------------|-------------------|---------|
| | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| PX100-9-.133 | INS SLVG | | CA10508-1 | | X | | |
| PX830-12-1 | INS SLVG-SHRINK | | CA10508-1 | | X | | |
| RG174/U | CABLE, RF | | CA10508-1 | | 8 | | |
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MATERIAL LIST/NUMERICAL PARTS LIST

LIST SECTION

| | | | | | | | | | |
|-----|---|---|----------------|---------|------------------|------------|---|----|---|
| REV | 2 | L | USED ON MODEL: | AX10047 | USED ON SECTION: | ASSY SHEET | 1 | OF | 1 |
|-----|---|---|----------------|---------|------------------|------------|---|----|---|

| | | | | |
|---------------------|----------------------|---------------|---------------------------|-------------------------|
| NEXT ASSY: BMA10691 | QTY PER NEXT ASSY: 1 | ASSY LEVEL: 2 | ASSY DESC: CABLE ASSY, RF | ASSY PART NO: CA10508-2 |
|---------------------|----------------------|---------------|---------------------------|-------------------------|

| PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|--------------|-----------------|------------------|---------------|---------------|----------------|-------------------|---------|
| | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| PX100-9-.133 | INS SLVG | CA10508-2 | | | X | | |
| PX830-12-1 | INS SLVG-SHRINK | CA10508-2 | | | X | | |
| RG174/U | CABLE, RF | CA10508-2 | | | 9 | | |
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MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 7 OF 10

REV GAL USED ON MODEL: AX10047 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: AX10047 QTY PER NEXT ASSY: 1 ASSY LEVEL: 1 ASSY DESC: PNL ASSY, FRONT ASSY PART NO: BMA10692

| PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|-----------------|----------------------|------------------|---------------|---------------|----------------|-------------------|---------|
| | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| BMA10697 | ASSY, PWR SUP | BMA10692 | | | 1 | | |
| BI100-51 | LAMP, GLOW | BMA10692 | | | 1 | DS1 | |
| CU139-1B | FERRULE, HANDLE | BMA10692 | | | 4 | | |
| FH104-2 | FUSEHOLDER, IND | BMA10692 | | | 2 | XF1, XF2 | |
| HA102-IBN | HANDLE, BOW | BMA10692 | | | 2 | | |
| LD10286/MS10874 | PANEL, FRONT | BMA10692 | | | 1 | | |
| MS10874 | PANEL, FRONT | LD10286/MS10874 | | | 1 | | |
| MP10002 | KNOB | BMA10692 | | | 1 | | |
| MWC18(16)U98 | WIRE, ELEC, INS | BMA10692 | | | 12 | | |
| ST22K | SWITCH, TOGGLE, DPST | BMA10692 | | | 1 | S2 | |
| SW10045-D | DETENT SWITCH | BMA10692 | | | 1 | | |
| TS10008 | LAMPHOLDER | BMA10692 | | | 1 | XDS1 | |

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 8 OF 10

REV L USED ON MODEL: AX10047 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: BMA10692 QTY PER NEXT ASSY: 1 ASSY LEVEL: 2 ASSY DESC: ASSY, PWR SUP ASSY PART NO: BMA10697

| PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|-----------------|------------------|------------------|---------------|---------------|----------------|-------------------|---------|
| | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| A10746-5 | PC BD ASSY, REG. | BMA10697 | | | 1 | | |
| CE10008-1 | CAP., ELECT. | BMA10697 | | | 1 | C5 | |
| LD10288/MS10898 | CHAS, PWR SUP | BMA10697 | | | 1 | | |
| MS10898 | CHAS, PWR SUP | LD10288/MS10898 | | | 1 | | |
| MS11022 | BRACKET | BMA10697 | | | 1 | | |
| MWC18(16)U92 | WIRE, ELEC, INS | BMA10697 | | | 4 | | |
| MWC18(16)U97 | " " " | " | | | 4 | | |
| MWC18(16)U98 | " " " | " | | | 8 | | |
| NW10005 | DIODE NTKW | BMA10697 | | | 1 | Z1 | |
| RI100-125-42 | RIVET BLIND EXP. | BMA10697 | | | 4 | | |
| TE10029-2 | NUT BLN, CLINCH | LD10288 | | | 4 | | |
| TE10029-3 | " " " | LD10288 | | | 1 | | |
| TF10043 | XFMR, PWR | BMA10697 | | | 1 | T1 | |
| TS166-1 | SOC SCOND DEV | BMA10697 | | | 1 | | |
| 2N3055 | TSTR | BMA10697 | | | 1 | Q1 | |

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 19 OF 10

REV L USED ON MODEL: AX10047 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: AX10047 QTY PER NEXT ASSY: 1 ASSY LEVEL: 1 ASSY DESC: PANEL ASSY REAR ASSY PART NO: BM10693 ✓

LIST SECTION

| PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|----------------|-------------------|------------------|---------------|---------------|----------------|-------------------|---------|
| | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| BM10694 | HOUSING ASSY MODL | BM10693 | | | 1 | | |
| CC10011-10 | CAP. FLAT, FOIL | BM10693 | | | 2 | C4, 6 | |
| BJ1005 | Lamp, 2.5v | BM10693 | | | 1 | | |
| JJ285-6 | CONN, RECP, FML | BM10693 | | 4 | 4 | J3, 4, 5, 6 | |
| | | | | 4 | 8 | J7, 8, 9, 10 | |
| MS3102R-14S-7P | CONN BOX REEP | BM10693 | | | 1 | J2 | |
| TE104-1 | TERM., LUG-LKG | BM10693 | | | 1 | | |
| TE110-2 | TERM., LUG-SOLDER | BM10693 | | | 3 | | |
| TE111-2 | TERM., LUG-3/8D | BM10693 | | | 1 | | |
| UG625 | CONNECTOR, RF | BM10693 | | | 1 | J1 | |
| WL100-5 | WIRE, ELEC, BUSS | BM10693 | | | 17 | | |

MATERIAL LIST/NUMERICAL PARTS LIST

TOTAL SHEET 10 OF 10

REV \emptyset A L USED ON MODEL: AX10047 USED ON SECTION: ASSY SHEET 1 OF 1

NEXT ASSY: BMA10693 QTY PER NEXT ASSY: 1 ASSY LEVEL: 2 ASSY DESC: HOUSING ASSY, MODULE ASSY PART NO: BMA10694 ✓

| PART NO. | DESCRIPTION | ITEM LOCATION | | | QTY. PER ASSY. | REFERENCE SYMBOLS | REMARKS |
|-----------------|-----------------|------------------|---------------|---------------|----------------|-------------------|---------|
| | | USED ON ASSEMBLY | USED TO MOUNT | QTY PER U/T/M | | | |
| CU10015-3 | HOLDER, PC BD | BMA10694 | | | 16 | | |
| EY10006-1 | EYELET | BMA10694 | | | 32 | | |
| FS102-1 | LOCKSPRING | BMA10694 | | | 4 | | |
| LD10284/MS10870 | PANEL, REAR | BMA10694 | | | 1 | | |
| LD10285/MS10871 | PANEL, CONN MTG | BMA10694 | | | 1 | | |
| MS10870 | PANEL, REAR | LD10284/MS10870 | | | 1 | | |
| MS10871 | PANEL, CONN MTG | LD10285/MS10871 | | | 1 | | |
| RI10001-329 | RIVET | BMA10694 | | | 8 | | |
| TE10020-3.625-1 | PILLAR | BMA10694 | | | 4 | | |

REVISION SHEET

TMC (CANADA) LIMITED
OTTAWA ONTARIO

MODEL AX10047

PROJECT NO. 070/68

| DATE | REV. | PAGE | ITEM | DESCRIPTION | MOD. CHK. NO. | APP. |
|----------|------|-----------|------|------------------------|---------------|------|
| 8/4/68 | Ø | ALL | ALL | RELEASED TO PRODUCTION | AEC | |
| 30/4/68 | A | 1, 10 | | REVISED BY CEMN 360 | AEC | |
| 17/12/68 | B | 1, | | REVISED TO CEMN 418 | je. | |
| 2/1/69 | C | 9 | | REVISED TO CEMN 424 | je. | |
| 28/2/69 | D | 1, COV. | | REVISED TO CEMN 449 | je. | |
| 17/4/69 | E | 10 | | REVISED TO CEMN 472 | je. | |
| 19/6/69 | F | COV1, 9 | | REVISED TO CEMN 492 | je. | |
| 20/8/69 | G | COV. 5, 9 | | REVISED BY CEMN 528 | je. | |
| 5/9/69 | H | 1 of 10 | | REVISED BY CEMN 540 | je. | |
| 8/6/70 | J | 9 | | REVISED BY CEMN 801 | je. | |
| 7/6/72 | K | 2, 3 | | REVISED BY CEMN 1181 | je. | LB |
| 8/24/78 | L | COV. 8 | | " " EMN 21677 | APP | |