

**CHAPTER**

**00**

**GENERAL**



737-800

## WIRING DIAGRAM MANUAL

### CHAPTER 00 GENERAL

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## WIRING DIAGRAM MANUAL

### CHAPTER 00 GENERAL

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	<b><u>SYMBOLS</u></b>						
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Page 1  
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-A 1  
AMPLIFIER

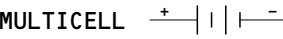
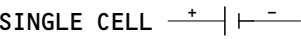


ANTENNA



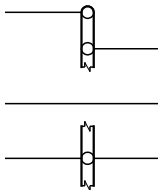
ARINC 629

BATTERY



BUS

BUS BAR WITH CONNECTIONS



BUS BAR BROKEN WHERE  
CONDUCTORS CROSS

CAPACITOR

GENERAL



VARIABLE



CURVED ELEMENT REPRESENTS:

1. THE OUTSIDE ELECTRODE IN FIXED PAPER AND CERAMIC DIELECTRIC CAPACITORS.
2. THE NEGATIVE ELECTRODE IN ELECTROLYTIC CAPACITORS.
3. THE MOVING ELEMENT IN VARIABLE AND THE LOW POTENTIAL ELEMENT IN FEED THROUGH CAPACITORS.

CIRCUIT BREAKER

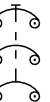
SINGLE PHASE



SINGLE PHASE-BUSSED



THREE PHASE



CONNECTOR

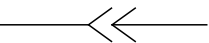
TERMINAL



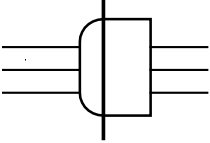
SOLDER POINT



SEPARATE CONNECTORS ENGAGED  
(ONE CONNECTOR SHOWN)



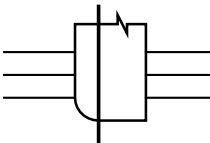
PLUG AND RECEPTACLE



COMPLETE CONNECTOR

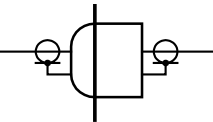
CONNECTOR SHOWN COMPLETE  
AS ILLUSTRATED WILL ONLY  
APPEAR ON ONE DIAGRAM.

BROKEN CONNECTOR

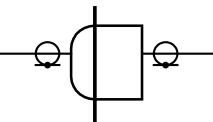


BROKEN CONNECTORS ARE  
SHOWN ON MORE THAN ONE  
WIRING DIAGRAM OR MORE THAN  
ONE PLACE ON THE SAME DIAGRAM.  
(FOR COMPLETE INFORMATION  
REFER TO CHAPTER  
91 HOOK-UP CHARTS.)

COAXIAL-OUTSIDE CONDUCTOR  
CARRIED THROUGH



COAXIAL-OUTSIDE CONDUCTOR  
NOT CARRIED THROUGH



CONVENIENCE OUTLET (RECEPTACLE)

2 CONDUCTOR POLARIZED 3 CONDUCTOR POLARIZED

DELTA SYMBOLS

1 CRITICAL (DESIGNATED) GROUND

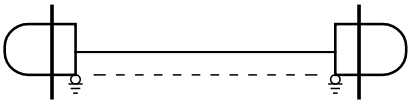
REFER TO ENGINEERING DIAGRAMS AND/OR STANDARD WIRING  
PRACTICES FOR SPECIAL CONDUCTIVE AND BONDING REQUIREMENTS.

2 MOISTURE RESISTANT SPLICE

IDENTICAL EQUIPMENT

3 IDENTICAL EQUIPMENT SHOWN ON THE SAME DIAGRAM WITH IDENTICAL  
NOMENCLATURE.

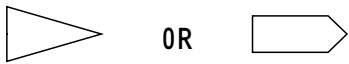
FIRE DETECTOR



CONTINUES LOOP ENGINE FIRE DETECTOR

FLAG NOTES

GENERAL



OR

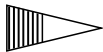


SERVICE BULLETIN FLAG



INCORPORATES:

CUSTOMER ORIGINATED CHANGE FLAG



INCORPORATES:

FUSE



GENERAL SYMBOLS

- ~ FREQUENCY
- $\Omega$  OHM OR RESISTANCE
- NEGATIVE POLARITY
- +
- POSITIVE POLARITY

ALL

SYMBOLS

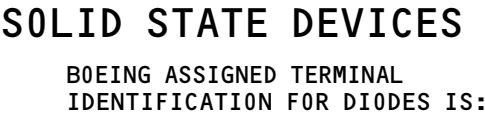
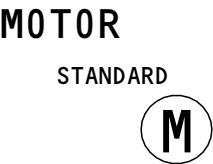
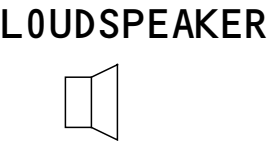
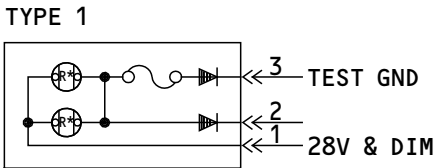
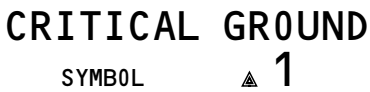
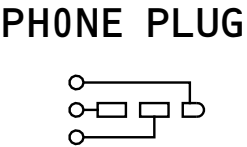
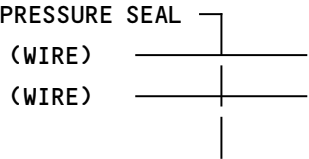
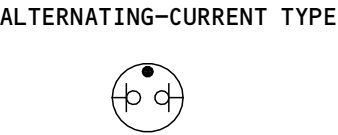
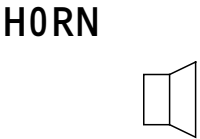
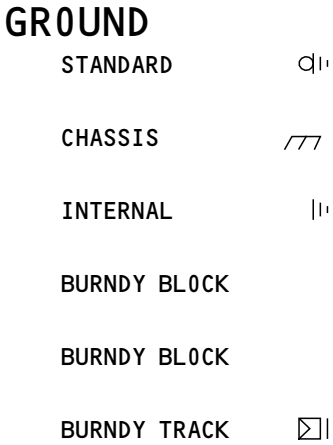
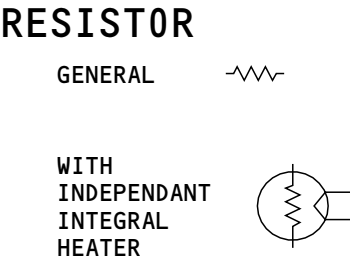
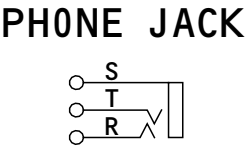
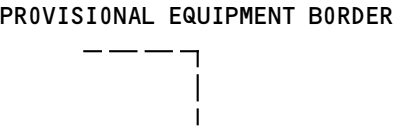
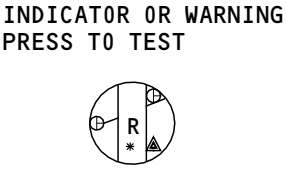
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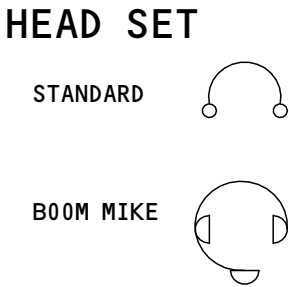
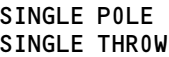
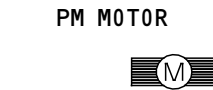
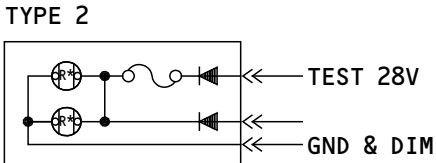
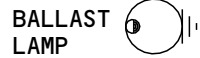
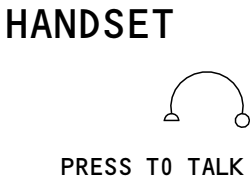
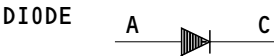
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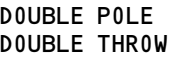
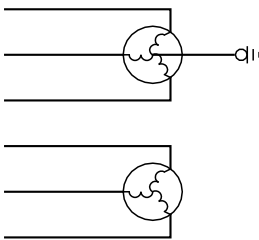


A (ANODE)  
C (CATHODE)



COLOR	SYMBOL
AMBER	A
BLUE	B
GREEN	G
RED	R
WHITE	W
YELLOW	Y
VIOLET	V

\* COLOR OF CRYSTAL INDICATED BY LETTER



ALL

SYMBOLS

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-A  
1 SPLICE

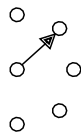
SPXXXXX

INTER-BUNDLE: CONNECTS WIRES  
BETWEEN DIFFERENT BUNDLE  
NUMBERS.

SMXXXXX

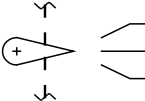
INTRA-BUNDLE: CONNECTS WIRES  
WITHIN THE SAME BUNDLE NUMBER.

FIVE POSITION  
SELECTOR SWITCH



ROTARY-WAFER, 3 POLE  
3 CIRCUIT

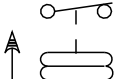
THREE POSITION TOGGLE



SHIELDED PUSH OPERATED



PRESSURE OPERATED  
(ARROW INDICATES  
DIRECTION OF BAR  
MOVEMENT)



CLUTCH/BRAKE ENGAGED



CLUTCH/BRAKE DISENGAGED



TERMINALS & SIZES

SOLDER POINT  
STUD SIZES

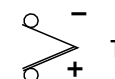
- 2
- 4
- 6
- 8
- 10
- 1/4
- 5/16
- 3/8
- 1/2

THERMAL ELEMENT

THERMOMECHANICAL  
TRANSDUCER



THERMOCOUPLE



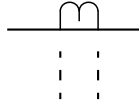
TEMP SENSOR

TRANSFORMER

BASIC AIR CORE



CURRENT



BASIC IRON CORE



SQUIB



SWITCH

S.P.S.T.



S.P.D.T.



S.P.D.T. OFF POSITION



MOMENTARY ON



MOMENTARY OFF POSITION



THREE POSITION  
SELECTOR SWITCH



THERMAL SWITCH

OPENS ON RISING  
TEMPERATURE



CLOSES ON RISING  
TEMPERATURE



SWITCH/RELAY ACTUATORS

OPERATE BY TURNING



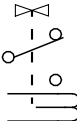
OPERATE BY PUSHING



OPERATE BY PULLING



VALVE CONTROLLED



TERMINAL BLOCK SYMBOLS



TERMINAL BLOCK DIODE



INTENDED FOR 24 THROUGH 20 GAGE WIRE

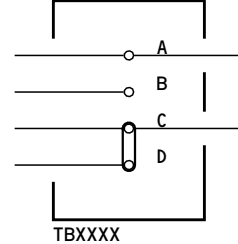


INTENDED FOR 18 THROUGH 16 GAGE WIRE



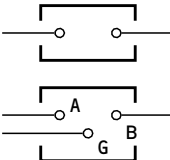
TERMINAL BLOCK RESISTOR

TERMINAL-STRIP AND BUS



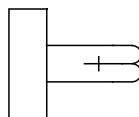
TBXXXX

TIME DELAY



TIME DELAY  
MODULE

TIME DELAY RELAY



VENDOR FURNISHED  
EQUIPMENT



VIBRATION TRANSDUCER



ALL

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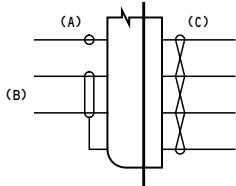
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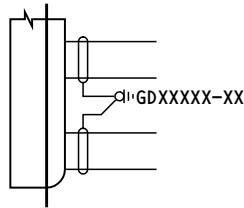
-C  
1 **WIRES**

ALL SHIELD SYMBOLS ARE SHOWN AT BOTH ENDS OF WIRE. ALL MULTI-CONDUCTOR SHIELDED WIRES ARE TWISTED. ALL TWIST SYMBOLS MAY ONLY BE AT THE WIRE IDENTIFICATION END.

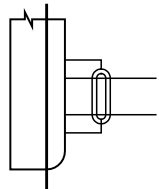
- 1 WIRE SHIELDED (A)
- 2 WIRES SHIELDED (B)
- 4 WIRES TWISTED (C)



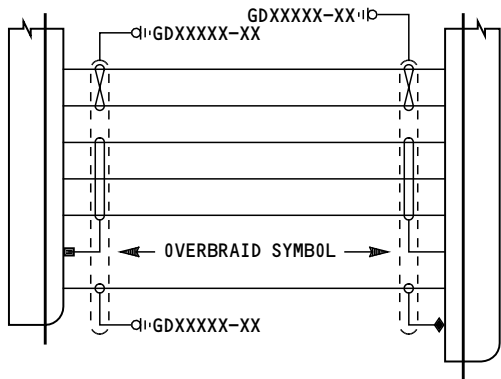
**SHIELDED WIRE - SHIELD GROUNDED**



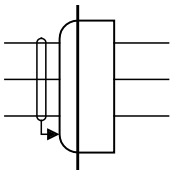
**DOUBLE SHIELD**



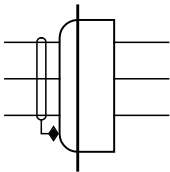
**OVERBRAID SYMBOL - SHIELDED, TWISTED AND SINGLE WIRES SHOWN.**



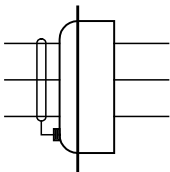
**PERIPHERAL SHIELD CONNECTION TO PERIPHERAL BACKSHELL**



**SHIELD TERMINATION TO STRAIN RELIEF CLAMPS**



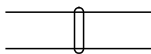
**ZERO LENGTH TERMINATION TO BACKSHELL**



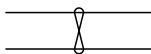
**SINGLE WIRE**



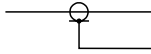
**SHIELDED WIRE**



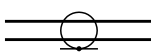
**TWISTED PAIR**



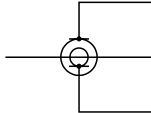
**COAXIAL CABLE**



**TWINAXIAL CABLE**



**TRIAX CABLE**



**FIBER OPTIC CABLE**



**VENDOR WIRE**



**STOWED WIRES**

**CAPPED WIRE**



N CAP & STOW NEAR DXXXXXX

**TAPED TERMINAL**

**CONTACT**

- SIZE 4 LUG
- SIZE 6 LUG
- SIZE 8 LUG
- SIZE 10 LUG

N TAPE AND STOW NEAR DXXXXXX

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