

CHAPTER

00

GENERAL

For training purposes only!



737-700/800

WIRING DIAGRAM MANUAL

CHAPTER 00 GENERAL

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00-ALPHABETICAL INDEX									
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R		1	1	Nov 12/2012					
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A = Added, R = Revised, D = Deleted, O = Overflow

00-EFFECTIVE PAGES

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WIRING DIAGRAM MANUAL

CHAPTER 00 GENERAL

Title		CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<u>SYMBOLS</u>							
I	SYMBOLS	00-00-00		1	1	Nov 12/2012	ALL
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AMPLIFIER



ANTENNA



ARINC 629

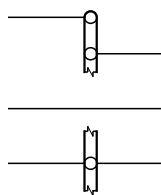
BATTERY

SINGLE CELL

MULTICELL

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

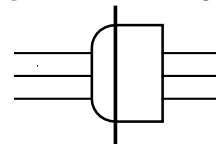
CONNECTOR

TERMINAL

SOLDER POINT

SEPARATE CONNECTORS ENGAGED (ONE CONNECTOR SHOWN)

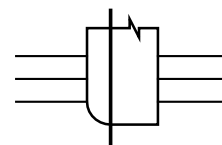
PLUG AND RECEPTACLE



COMPLETE CONNECTOR

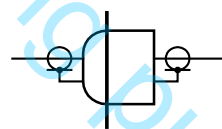
CONNECTOR SHOWN COMPLETE AS ILLUSTRATED WILL ONLY APPEAR ON ONE DIAGRAM.

BROKEN CONNECTOR

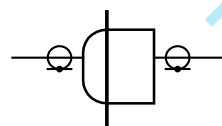


BROKEN CONNECTORS ARE SHOWN ON MORE THAN ONE WIRING DIAGRAM OR MORE THAN ONE PLACE ON THE SAME DIAGRAM. (FOR COMPLETE INFORMATION REFER TO CHAPTER 91 HOOK-UP CHARTS.)

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

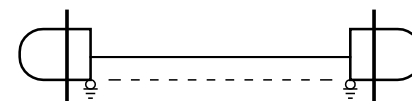
REFER TO ENGINEERING DIAGRAMS AND/OR STANDARD WIRING PRACTICES FOR SPECIAL CONDUCTIVE AND BONDING REQUIREMENTS.

- △ 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
- Ω OHM OR RESISTANCE
- NEGATIVE POLARITY
- +
- POSITIVE POLARITY

ALL

SYMBOLS

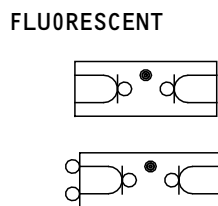
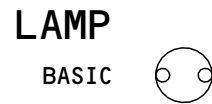
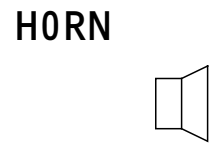
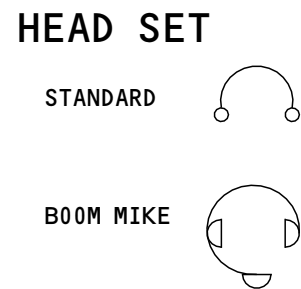
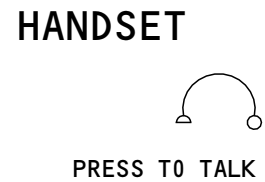
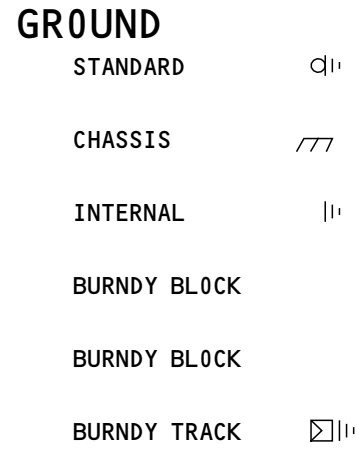
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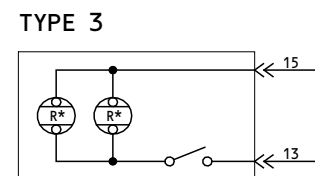
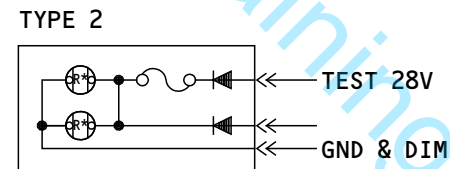
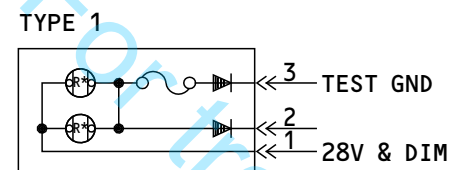
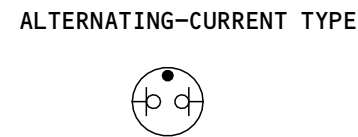
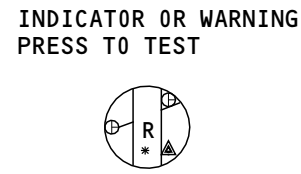
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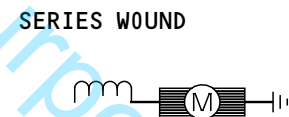
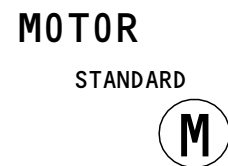
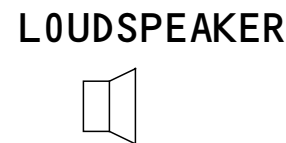
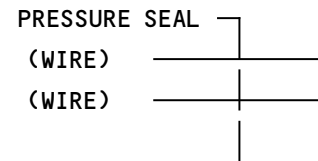
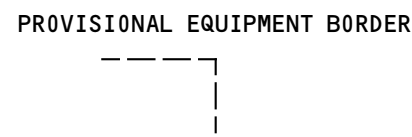
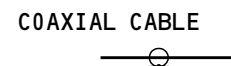
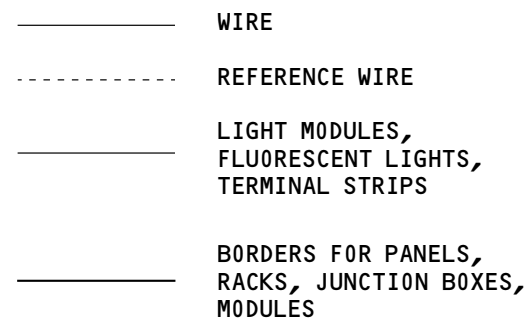


COLOR	SYMBOL
AMBER	A
BLUE	B
GREEN	G
RED	R
WHITE	W
YELLOW	Y
VIOLET	V

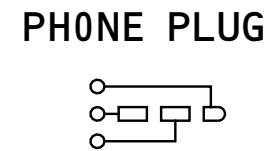
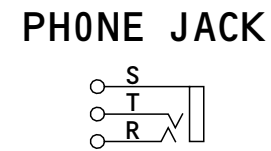
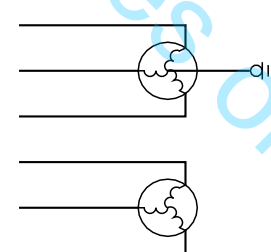
* COLOR OF CRYSTAL INDICATED BY LETTER



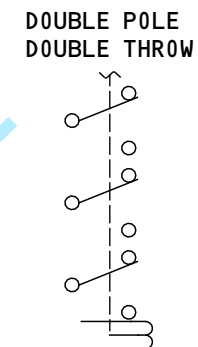
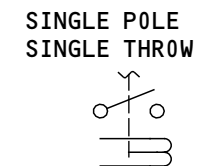
LINE WEIGHTS



AC THREE PHASE



PHOTOCELL

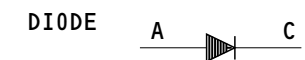


SHUNT

SOLID STATE DEVICES

BOEING ASSIGNED TERMINAL IDENTIFICATION FOR DIODES IS:

A (ANODE)
C (CATHODE)



LIGHT EMITTING DIODE (LED)



ZENER DIODE



SPARK IGNITER

ALL

SYMBOLS

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SPLICE

SPXXXXX

INTER-BUNDLE: CONNECTS WIRES BETWEEN DIFFERENT BUNDLE NUMBERS.

SMXXXXX

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

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

FIVE POSITION SELECTOR SWITCH

ROTARY-WAFER, 3 POLE 3 CIRCUIT

THERMAL SWITCH

OPENS ON RISING TEMPERATURE

CLOSES ON RISING TEMPERATURE

SWITCH/RELAY ACTUATORS

OPERATE BY TURNING

OPERATE BY PUSHING

OPERATE BY PULLING

VALVE CONTROLLED

THREE POSITION TOGGLE

SHIELDED PUSH OPERATED

PRESSURE OPERATED (ARROW INDICATES DIRECTION OF BAR MOVEMENT)

CLUTCH/BRAKE ENGAGED

CLUTCH/BRAKE DISENGAGED

TERMINAL BLOCK SYMBOLS

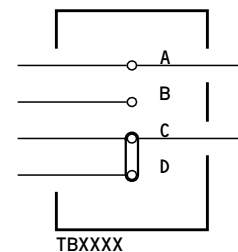
TERMINAL BLOCK DIODE

INTENDED FOR 24 THROUGH 20 GAGE WIRE

INTENDED FOR 18 THROUGH 16 GAGE WIRE

TERMINAL BLOCK RESISTOR

TERMINAL-STRIP AND BUS



TERMINALS & SIZES

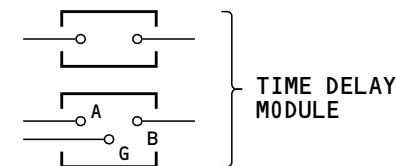
SOLDER POINT STUD SIZES	
2	•
4	⊙
6	⊙
8	⊙
10	⊙
1/4	⊙
5/16	⊙
3/8	⊙
1/2	⊙

THERMAL ELEMENT

THERMOMECHANICAL TRANSDUCER

THERMOCOUPLE TEMP SENSOR

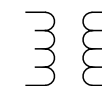
TIME DELAY



TIME DELAY RELAY

TRANSFORMER

BASIC AIR CORE



CURRENT

BASIC IRON CORE



VENDOR FURNISHED EQUIPMENT



VIBRATION TRANSDUCER



ALL	SYMBOLS
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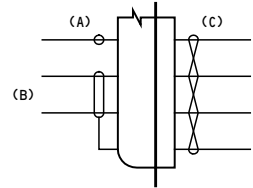
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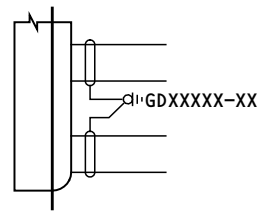
WIRES

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.

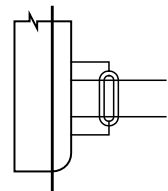
- 1 WIRE SHIELDED (A)
- 2 WIRES SHIELDED (B)
- 4 WIRES TWISTED (C)



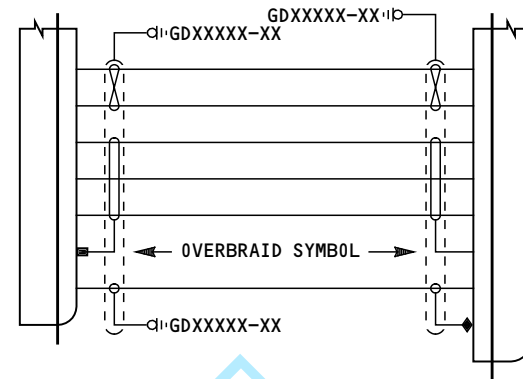
SHIELDED WIRE - SHIELD GROUNDED



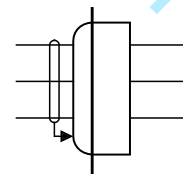
DOUBLE SHIELD



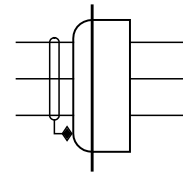
OVERBRAID SYMBOL - SHIELDED, TWISTED AND SINGLE WIRES SHOWN.



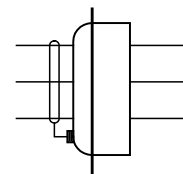
PERIPHERAL SHIELD CONNECTION TO PERIPHERAL BACKSHELL



SHIELD TERMINATION TO STRAIN RELIEF CLAMPS



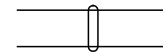
ZERO LENGTH TERMINATION TO BACKSHELL



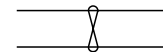
SINGLE WIRE



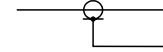
SHIELDED WIRE



TWISTED PAIR



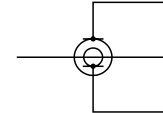
COAXIAL CABLE



TWINAXIAL CABLE



TRIAX CABLE



STOWED WIRES

CAPPED WIRE



⏏ CAP & STOW NEAR DXXXXXX

TAPED TERMINAL

CONTACT

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

⏏ TAPE AND STOW NEAR DXXXXXX

ALL

SYMBOLS

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