

## **WIRING INSTRUCTIONS FOR CRAFTSMAN NO. 2018 REVERSING SWITCH FOR USE WITH CRAFTSMAN MOTORS**

### **HOW TO ORDER REPAIR PARTS**

All parts listed herein may be ordered through SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED. When ordering parts by mail from the mail order house which serves the territory in which you live, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

- |                     |                     |
|---------------------|---------------------|
| 1. The PART NUMBER. | 3. The MODEL NUMBER |
| 2. The PART NAME.   | 4. The NAME of item |

### **COAST TO COAST NATION-WIDE SERVICE FROM SEARS FOR YOUR CRAFTSMAN SWITCH**



SEARS, ROEBUCK AND CO. and SIMPSONS-SEARS LIMITED in Canada back up your investment with quick, expert mechanical service and genuine CRAFTSMAN replacement parts.

If and when you need repairs or service, call on us to protect your investment in this fine piece of equipment.

**SEARS, ROEBUCK AND CO.—U. S. A.  
IN CANADA, SIMPSONS-SEARS LIMITED**

# WIRING INSTRUCTIONS FOR CRAFTSMAN NO. 2018 REVERSING SWITCH FOR USE WITH CRAFTSMAN MOTORS

This Craftsman Reversing Switch is used to reverse rotation of any of the Sears Motors listed in the connection diagrams shown on this sheet.

The Reversing Switch is shipped complete with an attached

line cord and service cord for connecting to motor leads. The motor service cord may be cut to any length desired, depending upon the distance from the switch mounting location and the motor to which it is connected.

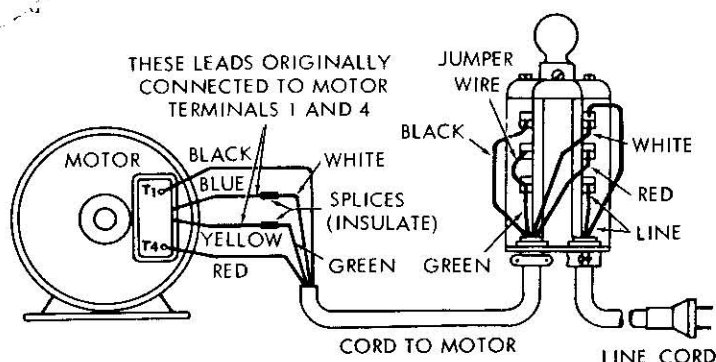
### 115 VOLT WIRING HOOK-UP SEARS MOTOR CATALOG NOS. 1905, 1934, 1935, 19669, 1210, 1211, 1212, 1214

This figure shows the Reversing Switch connections as they are made at the factory. The following routine should be carried out when connecting the switch to the motor for which it was purchased:

1. Locate the catalog number of the motor on the nameplate.
2. Locate the catalog number of the motor in one of the diagrams on this instruction sheet.
3. Connect the Reversing Switch to the motor in accordance with the particular diagram on which the motor catalog number appears.

**NOTE:** When reversing motor rotation, always allow the motor shaft to come to a complete stop before actuating the Reversing Switch.

If motor rotation does not correspond to switch notations, interchange blue and yellow motor leads where they are spliced to white and green leads from the reversing switch.

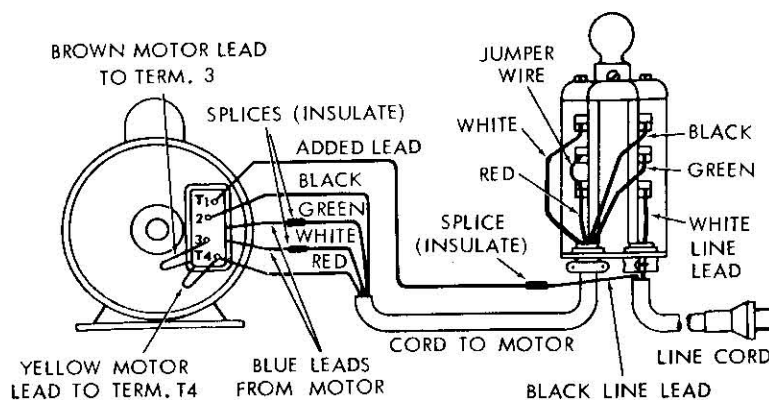


**NOTE: THIS ILLUSTRATION  
SHOWS SWITCH AS IT IS  
WIRED AT THE FACTORY**

### 115 VOLT WIRING HOOK-UP SEARS MOTOR CATALOG NOS. 1965, 19659, 1970, 19875, 1973, 1974

Added lead from motor terminal "T<sub>1</sub>" to black lead from line cord should be No. 18 AWG or larger and should have insulation at least as thick as that on the individual leads inside the cord. The heavy jacket insulation on the line cord must be stripped back to provide access to the black line lead in order to make this connection.

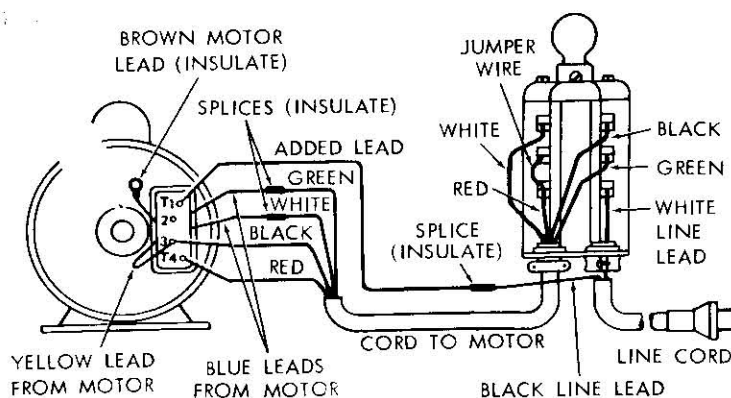
If motor rotation does not correspond to switch notations, interchange blue motor leads where they are spliced to white and green leads from reversing switch.



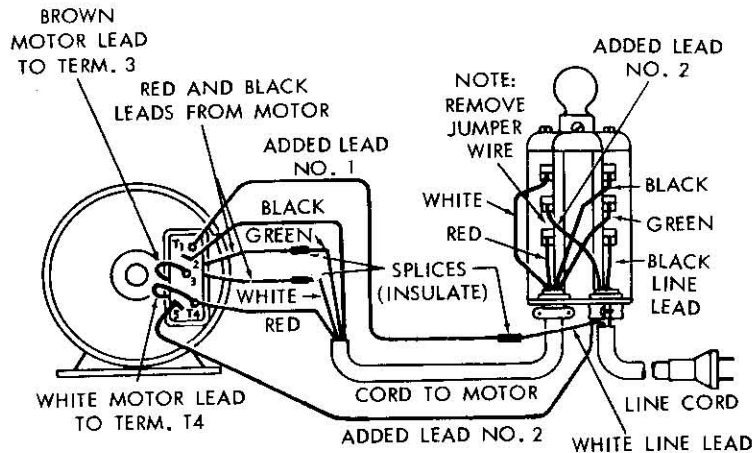
### 230 VOLT WIRING HOOK-UP SEARS MOTOR CATALOG NOS. 1965, 19659, 1970, 19875, 1973, 1974

Added lead from motor terminal "T<sub>1</sub>" to black lead from line cord should be No. 18 AWG or larger and should have insulation at least as thick as that on the individual leads inside the cord. The heavy jacket insulation on the line cord must be stripped back to provide access to the black line lead in order to make this connection.

If motor rotation does not correspond to switch notations, interchange blue motor leads where they are spliced to white and green leads from reversing switch.



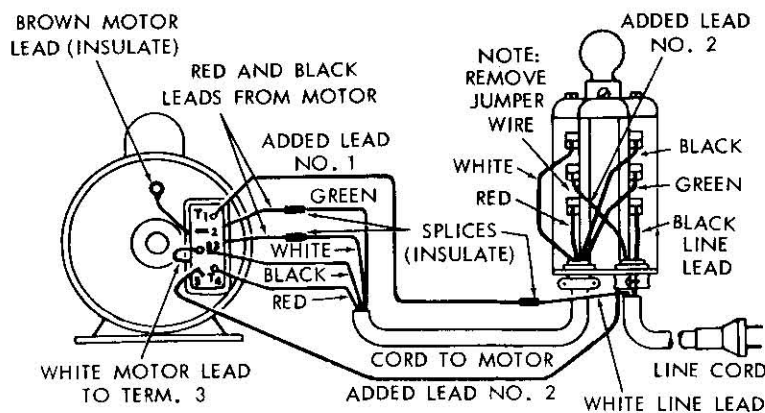
**115 VOLT WIRING HOOK-UP**  
**SEARS MOTOR CATALOG NOS.**  
**1960, 1961, 1962,**  
**19738, 19748, 1213**



Added lead No. 1 from motor terminal "T<sub>1</sub>" to white lead from line cord and added lead No. 2 from motor terminal "5" to reversing switch post (previously occupied by jumper lead), should be No. 18 AWG or larger and should have insulation at least as thick as that on the individual leads inside the cord. The heavy jacket insulation on the line cord must be stripped back to provide access to the black line lead in order to make this connection.

If motor rotation does not correspond to switch notations, interchange red and black motor leads where they are spliced to white and green leads from reversing switch.

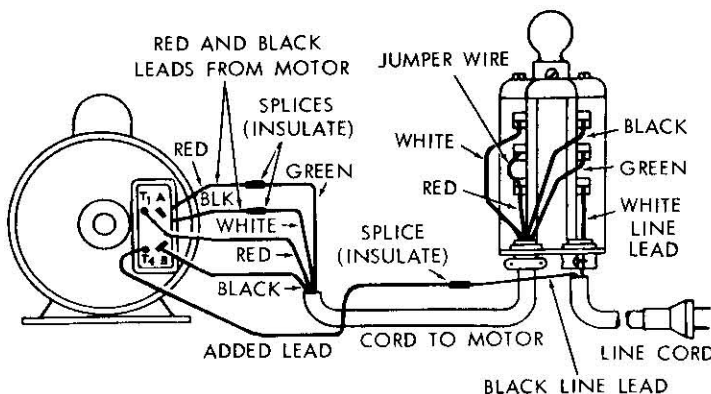
**230 VOLT WIRING HOOK-UP**  
**SEARS MOTOR CATALOG NOS.**  
**1960, 1961, 1962,**  
**19738, 19748, 1213**



Added lead No. 1 from motor terminal "T<sub>1</sub>" to white lead from line cord and added lead No. 2 from motor terminal "5" to reversing switch post (previously occupied by jumper lead), should be No. 18 AWG or larger and should have insulation at least as thick as that on the individual leads inside the cord. The heavy jacket insulation on the line cord must be stripped back to provide access to the black line lead in order to make this connection.

If motor rotation does not correspond to switch notations, interchange red and black motor leads where they are spliced to white and green leads from reversing switch.

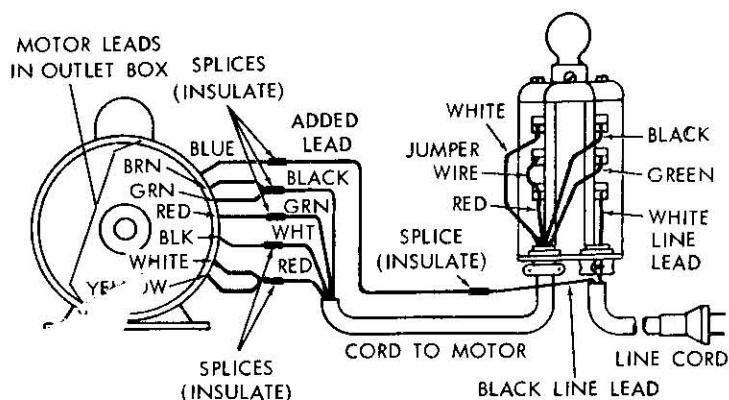
**115 VOLT WIRING HOOK-UP**  
**SEARS MOTORS CATALOG NOS.**  
**1216, 1217, 1226**



Added lead from motor terminal "T<sub>1</sub>" to black lead from line cord should be No. 16 AWG or larger and should have insulation at least as thick as that on the individual leads inside the cord. The heavy jacket insulation on the line cord must be stripped back to provide access to the black line lead in order to make this connection.

If motor rotation does not correspond to switch notations, interchange red and black motor leads where they are spliced to white and green leads from reversing switch.

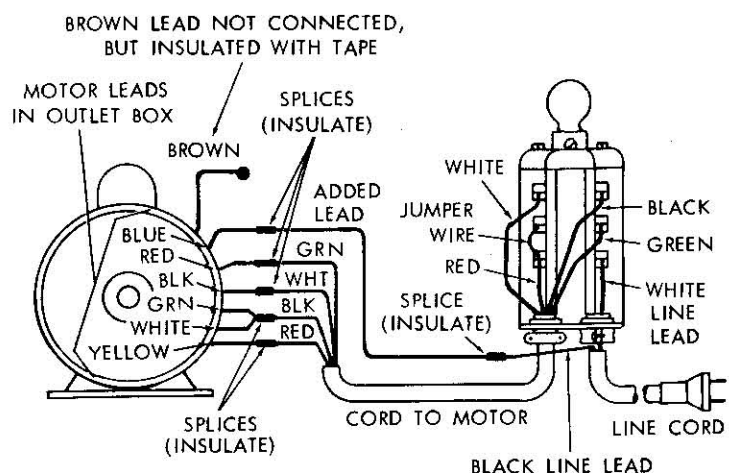
**115 VOLT WIRING HOOK-UP**  
**SEARS MOTOR CATALOG NOS.**  
**1222, 1223, 1224, 1225**



Added lead from motor blue lead to black lead from line cord should be No. 16 AWG or larger and should have insulation at least as thick as that on the individual leads inside the cord. The heavy jacket insulation on the line cord must be stripped back to provide access to the black line lead in order to make this connection.

If motor rotation does not correspond to switch notations, interchange red and black motor leads where they are spliced to white and green leads from reversing switch.

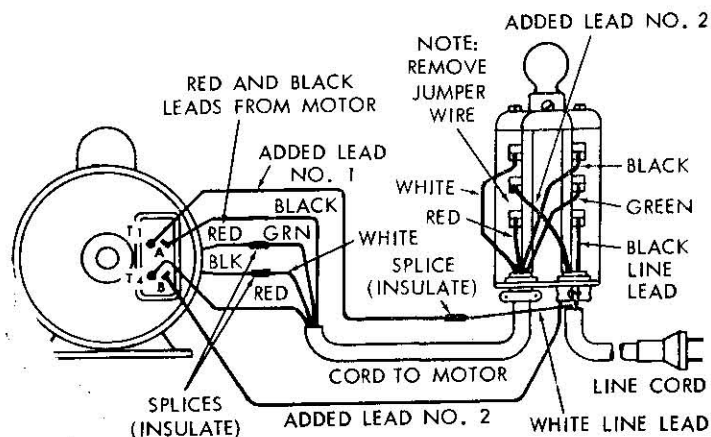
**230 VOLT WIRING HOOK-UP**  
**SEARS MOTOR CATALOG NOS.**  
**1222, 1223, 1224, 1225**



Added lead from motor blue lead to black lead from line cord should be No. 16 AWG or larger and should have insulation at least as thick as that on the individual leads inside the cord. The heavy jacket insulation on the line cord must be stripped back to provide access to the black line lead in order to make this connection.

If motor rotation does not correspond to switch notations, interchange red and black motor leads where they are spliced to white and green leads from reversing switch.

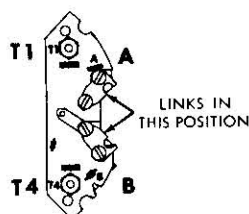
**115 VOLT AND 230 VOLT WIRING HOOK-UP**  
**SEARS MOTOR CATALOG NOS.**  
**1218, 1219, 1220, 1221**



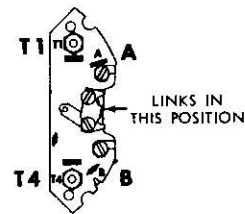
Added lead No. 1 from motor terminal "T<sub>1</sub>" to white lead from line cord and added lead No. 2 from motor terminal "B" to reversing switch post (previously occupied by jumper lead), should be No. 16 AWG or larger and should have insulation at least as thick as that on the individual leads inside the cord. The heavy jacket insulation on the line cord must be stripped back to provide access to the black line lead in order to make this connection.

If motor rotation does not correspond to switch notations, interchange red and black motor leads where they are spliced to white and green leads from reversing switch.

**NOTE:** This connection applies to both 115 and 230 volts, and the position of the links should be as shown to correspond to the desired voltage. (The links are "lapped" over each other in the 230 volt connection.)



**115 V. CONNECTION**



**230 V. CONNECTION**

FILE NO.	58-HA14-SR
CLASS SERIES OR STYLE	9M2982 A14
SIZE	NOVEMBER, 1964

# SEARS, ROEBUCK AND CO.

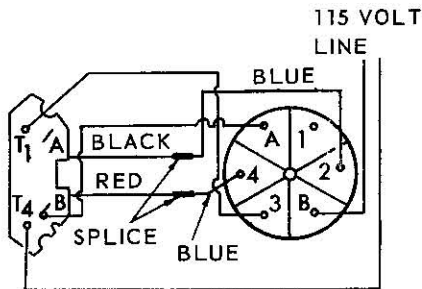
## WIRING INSTRUCTIONS FOR NO. 2982 REVERSING SWITCH

NOTE: If the motor rotation does not correspond to switch notations, interchange switch leads "2" and "4".

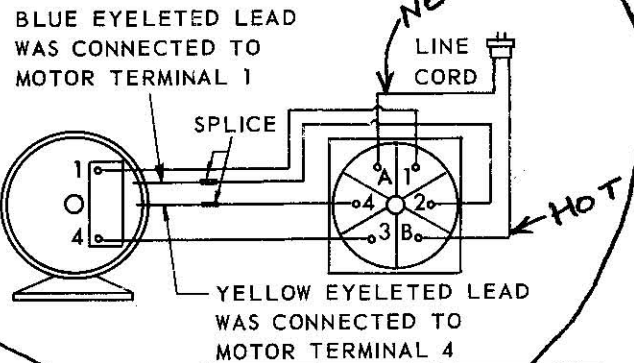
IMPORTANT: The motor must come to a complete stop before reversing can be accomplished.

FOR my  
GE 1 HP  
MOTOR

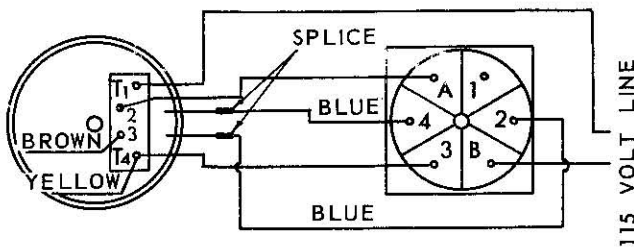
### 115 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1216, 1217, 1226



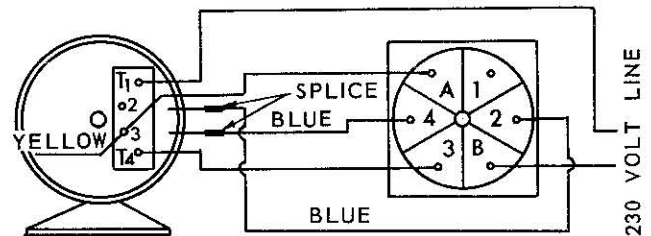
### 115 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1905, 1934, 1935, 19669, 1210, 1211, 1212, 1214



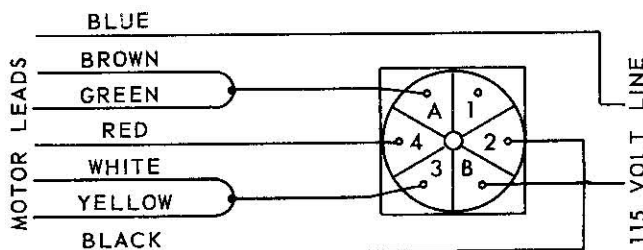
### 115 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1965, 19659, 1970, 19875, 1973, 1974



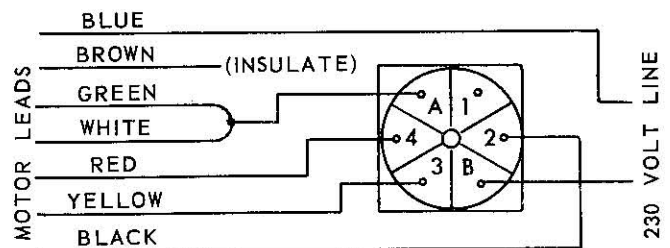
### 230 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1965, 19659, 1970, 19875, 1973, 1974



### 115 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1222, 1223, 1224, 1225



### 115 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1222, 1223, 1224, 1225

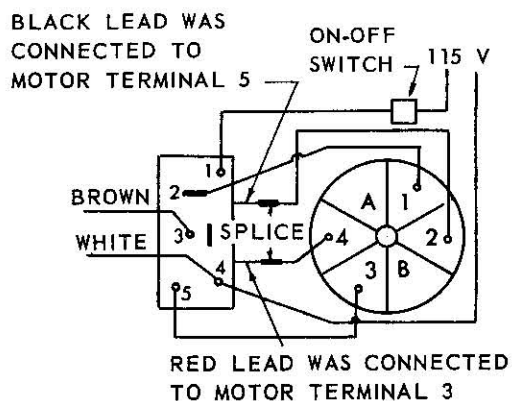


SEARS, ROEBUCK AND CO.—U.S.A.

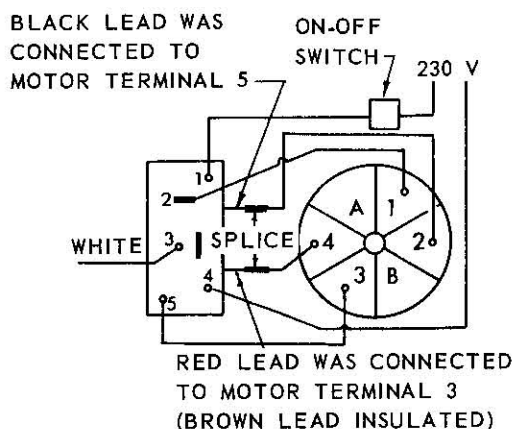
NOTE: If the motor rotation does not correspond to switch notations, interchange switch leads "2" and "4"

IMPORTANT: In order to use this reversing switch with these motors, an extra "ON-OFF" switch must be connected in the line. This extra "ON-OFF" switch must be turned to the "OFF" position before motor rotation can be changed. When connected in this manner, the "OFF" position on the reversing switch will not turn the power off, and should be disregarded entirely.

### 115 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1960, 1961, 1962, 19738, 19748, 1213, 1215, 19879



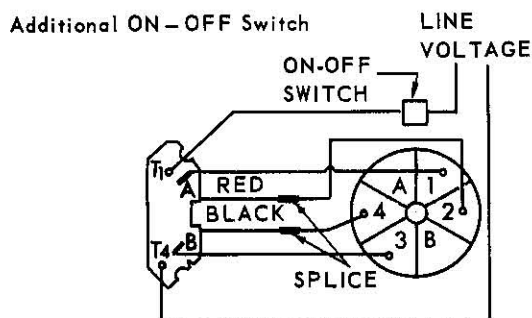
### 230 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1960, 1961, 1962, 19738, 19478, 1213, 1215, 19879



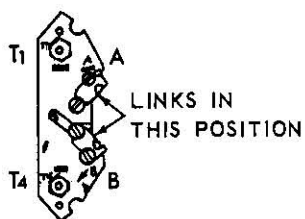
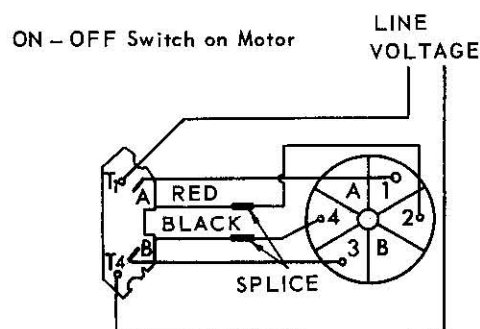
NOTE: To reverse direction of rotation (either 115-volt or 230-volt operation), interchange position of the Black lead with the Red lead.

IMPORTANT: In order to use this reversing switch with these motors, an "ON-OFF" switch must be connected in the line. This "ON-OFF" switch must be in the "OFF" position before motor rotation can be changed. When connected in this manner, the "OFF" position on the reversing switch will not turn the power off, and should be disregarded. The motor must come to a complete stop before reversing can be accomplished.

### 115 AND 230 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1218, 1219, 1220, 1221, 1205, 1206, 1207

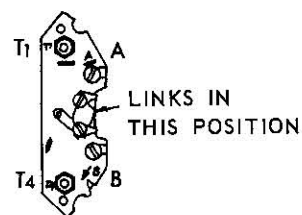


### 115 AND 230 VOLT WIRING HOOK-UP FOR SEARS MOTORS CAT. NOS. 1201, 1202, 1203



115V CONNECTION

NOTE: The above reversing switch connection applies to both 115 and 230 volts, and the position of the links should be as shown to correspond to the desired voltage.



230V CONNECTION



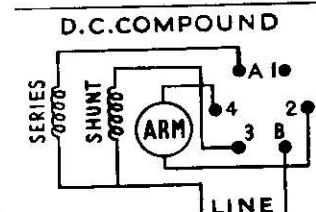
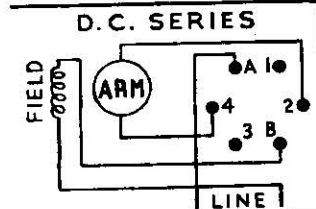
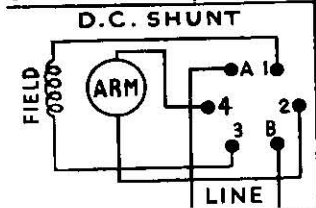
# FURNAS ELECTRIC COMPANY

SATVIA  
•  
ILLINOIS

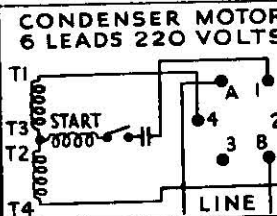
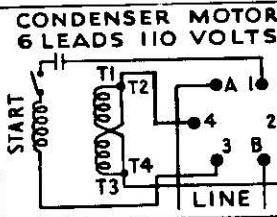
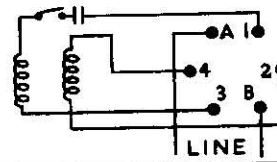
## A14 REVERSING CONTROLLER

D3562

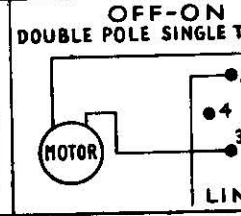
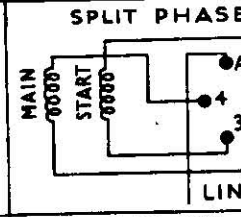
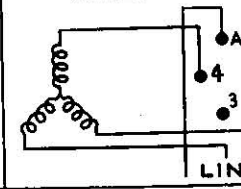
DIRECT CURRENT  $\frac{1}{4}$  HP. 115-230 V.



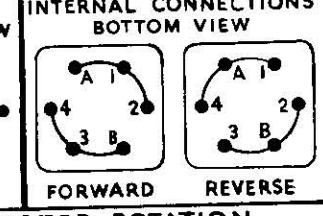
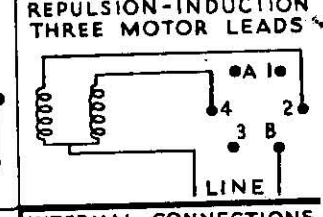
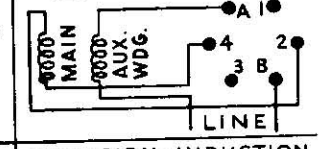
**CONDENSER MOTOR  
4 LEADS**



**THREE PHASE**



**REPULSION-INDUCTION FOUR  
MOTOR LEADS-SERIES WDGs  
REVERSING TYPE ONLY**



INTERCHANGING LEADS TO 2 AND 4 REVERSES MOTOR ROTATION