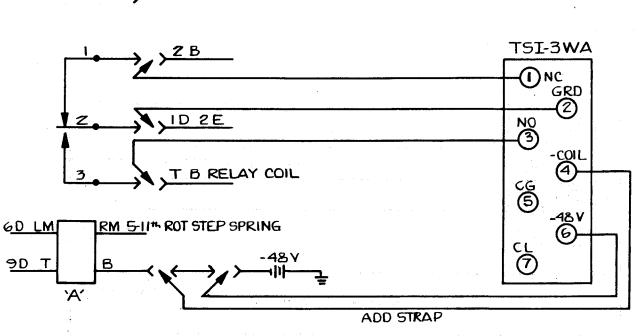
5D-30200-01-1 15S.23 B



THESE SPRINGS ARE NOT PART OF 'A' RELAY

ON THIS CIRCUIT.

WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.

TELCO SYSTEMS, INC.
P.O. BOX 7654 WACO, TX.
TITLE INSTALLATION INSTRUCTIONS
3 WA RELAY

7/84 DRAWN 1 CRAIG DATE REMARKS 155. REVISIONS 7-1-

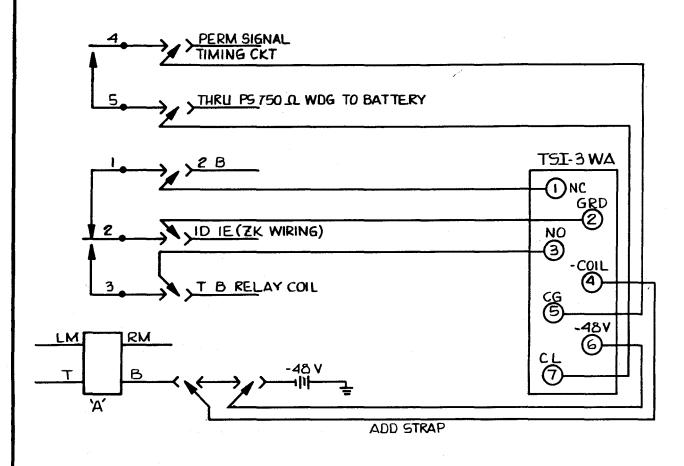
CRAIG W. BLANCHARD SD-30200-01-1 155.23B

7-1-84 M'RELAY WE SXS SELECTORS

RM OT COIL TERMINAL DESIGNATIONS AS SEEN FROM REAR OF SWITCH.

SD-30976-QI-I 155, 23 B

3WA RELAY INSTALLATION INFORMATION FOR TSI-3WA ELECTRONIC PULSING RELAY ON WE SXS SELECTORS WITH 5 SPRING "A" RELAY.



WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.

RM OT
COIL TERMINAL
DESIGNATIONS AS
SEEN FROM REAR
OF SWITCH.

7/84 DRAWN 1 DATE REMARKS 155

TELCO SYSTEMS, INC.

INSTALLATION INSTRUCTIONS

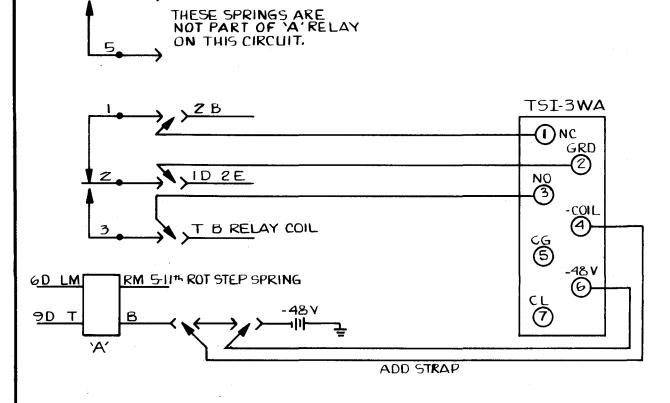
3 WA RELAY

CRAIG W. BLANCHARD 5D-30976-01-1 15623B

7-1-84 YA' RELAY WE SXS SELECTORS

5D-30200-01-1 155,29 B

3WA RELAY INSTALLATION INFORMATION FOR TSI-3WA ELECTRONIC PULSING RELAY ON WE SXS SELECTORS WITH 5 SPRING "A" RELAY.



A'RELAY

OF SWITCH.

COIL TERMINAL DESIGNATIONS AS

SEEN FROM REAR

RM OT

BOLM

INSTALLATION PROCEDURE 'A' RELAY REPLACEMENT

- 1. Remove and tag wires from 'A' relay contact springs 1, 2, and 3.
- 2. Remove contact spring assembly from heelpiece.
- 3. Remove armature.
- Remove cover guide stud from heelpiece and place on relay "C".
- Install TSI-3WA relay on heelpiece using 6—32 x 7/8" screw provided.
- Remove negative battery wire from coil terminal 'B' and place on TSI-3WA Pin 6.
- Add strap from TSI-3WA Pin 4 to negative battery coll terminal 'B'.
- 8. Pins 5 and 7 of the TSI-3WA relay will not be wired for this application as contact springs 4 and 5 are not a part of this 'A' relay.
- Make other connections as shown in block diagram under "TSI-3WA."

Should your circuit be wired differently or there be any questions or additional information needed, please call Bob Forsythe at 800-433-3337; in Texas call 800-792-3441.

WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.



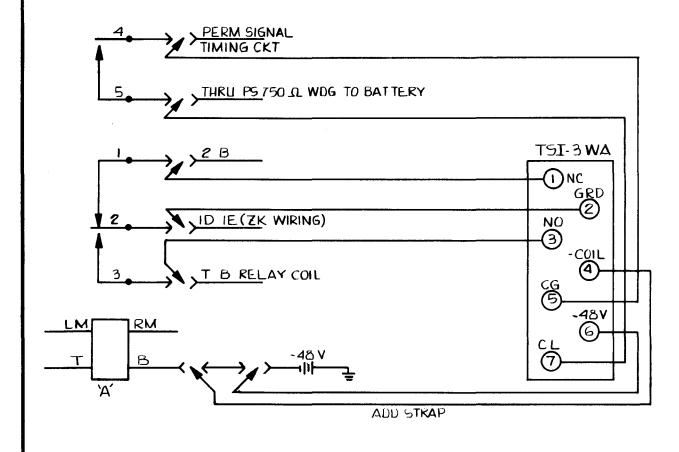
7/84 DKAWN I CRAIG W. BLANCHARD GD-30200-01-1 ISS.29B
DATE REMARKS ISS.
REVISIONS 7-1-84 XARELAY WE SXS SELECTORS

3WA RELAY INSTALLATION INFORMATION FOR TSI-3WA ELECTRONIC PULSING RELAY ON WE SXS SELECTORS WITH 5 SPRING "A" RELAY.

7/84 DKAWN

REMARKS

REVISIONS



'A' RELAY

COIL TERMINAL

OF SWITCH.

DESIGNATIONS AS SEEN FROM REAR

RM OT

INSTALLATION PROCEDURE 'A' RELAY REPLACEMENT

- Remove and tag wires from 'A' relay contact springs 1 through 5.
- 2. Remove contact spring assembly from heelpiece.
- 3. Remove armature.
- Remove cover guide stud from heelpiece and place on relay "C".
- Install TSI-3WA relay on heelpiece using 6—32 x 7/8" screw provided.
- Remove negative battery wire from coll terminal 'B' and place on TSI-3WA Pin 6.
- Add strap from TSI-3WA Pin 4 to negative battery coil terminal 'B'.
- Make other connections as shown in block diagram under "TSI-3WA."
- Wires from contact springs 4 and 5 are shown for ZL wiring. For ZM wiring reverse terminations on TSI-3WA pins 5 and 7.

Should your circuit be wired differently or there be any questions or additional information needed, please call Bob Forsythe at 800-433-3337; in Texas call 800-792-3441.

WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.



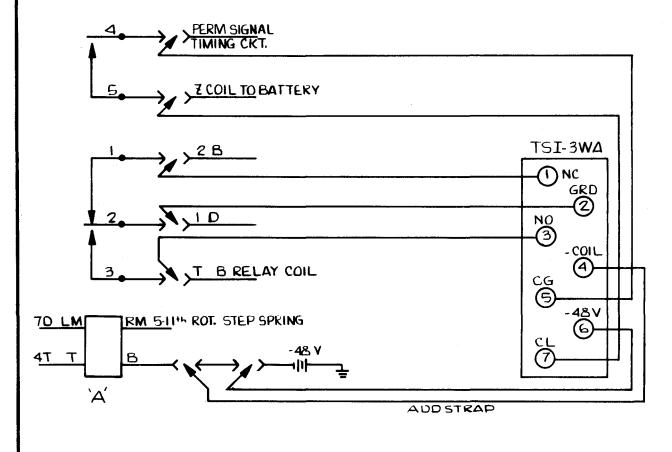
3WA RELAY INSTALLATION INFORMATION FOR TSI-3WA ELECTRONIC PULSING RELAY ON WE SXS SELECTORS WITH 5 SPRING "A" RELAY.

7/84 DRAWN

REMARKS

REVISIONS

DATE



INSTALLATION PROCEDURE 'A' RELAY REPLACEMENT

- Remove and tag wires from 'A' relay contact springs 1 through 5.
- 2. Remove contact spring assembly from heelpiece.
- 3. Remove armature.
- Remove cover guide stud from heelpiece and place on relay "C".
- Install TSI-3WA relay on heelplece using 6—32 x 7/8" screw provided.
- Remove negative battery wire from coil terminal 'B' and place on TSI-3WA Pin 6.
- Add strap from TSI-3WA Pin 4 to negative battery coil terminal 'B'.
- 8. Make other connections as shown in block diagram under "TSI-3WA."

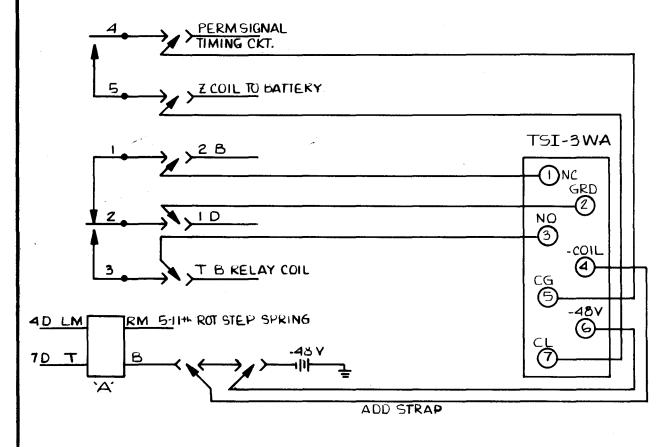
Should your circuit be wired differently or there be any questions or additional information needed, please call Bob Forsythe at 800-433-3337; in Texas call 800-792-3441.

WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.



RM OT
COIL TERMINAL
DESIGNATIONS
AS SEEN FROM
REAR OF SWITCH

3WA RELAY INSTALLATION INFORMATION FOR TSI-3WA ELECTRONIC PULSING RELAY ON WE SXS SELECTORS WITH 5 SPRING "A" RELAY.

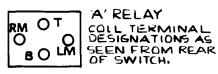


INSTALLATION PROCEDURE 'A' RELAY REPLACEMENT

- Remove and tag wires from 'A' relay contact springs 1 through 5.
- 2. Remove contact spring assembly from heelpiece.
- 3. Remove armature.
- 4. Remove cover guide stud from heelplece and place on relay "C".
 5. Install TSI-3WA relay on heelplece using 6—32 x
- Install TSI-3WA relay on heelpiece using 6—32 x 7/8" screw provided.
- Remove negative battery wire from coil terminal 'B' and place on TSI-3WA Pin 6.
- Add strap from TSI-3WA Pin 4 to negative battery coil terminal 'B'.
- Make other connections as shown in block diagram under "TSI-3WA."

Should your circuit be wired differently or there be any questions or additional information needed, please call Bob Forsythe at 800-433-3337; in Texas call 800-792-3441.

WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.



TELCO SYSTEMS, INC.
P.O. BOX 7654 WACO, TX.

INSTALLATION INSTRUCTIONS
3 WA RELAY

7/84 DRAWN 1 CRAIG W. BLANCHARD SD-33003-01-1 ISS BD

REVISIONS 7-1-84 A' RELAY

WE SXS SELECTORS

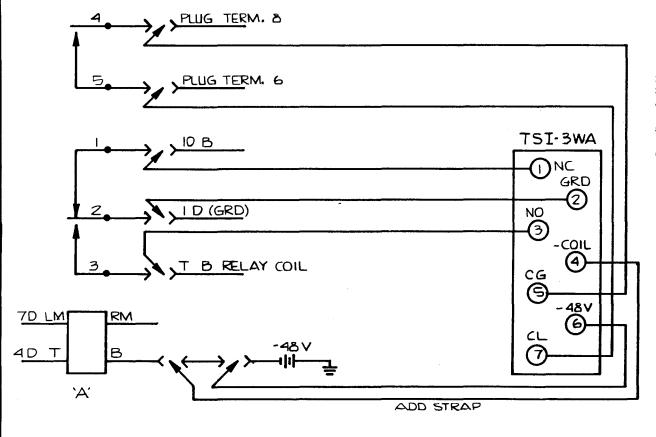
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3WA RELAY INSTALLATION INFORMATION FOR TSH-3WA ELECTRONIC PULSING RELAY ON WE SXS SELECTORS WITH 5 SPRING "A" RELAY.

NEW DRAWING

REMARKS

REVISIONS



INSTALLATION PROCEDURE

- Remove and tag all wires from 'A' relay contact springs 1 through 5.
- 2. Remove contact spring assembly and armature from heelpiece.
- 3. Remove cover guide stud from heelpiece and install on relay 'C'.
- Install TSI-3WA relay on heelpiece using mounting screw provided.
- Remove battery wires from coil terminal 'B' and place on TSI-3WA relay pin 6.
- 6. Add strap from 3WA relay pin 4 to wire terminal 'B'.
- Connect tagged wires 1-5 to TSI-3WA relay as shown in block diagram. Tagged wire spring 1 to pin 1.

spring 2 to pin 2.

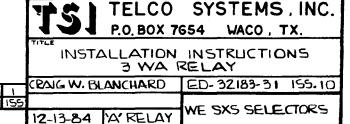
spring 3 to pin 3.

spring 4 to pin 5.

spring 5 to pin 7.

Should your circuit be wired differently or there be any questions or additional information needed, please call Bob Forsythe at 800-433-3337; in Texas call 800-792-3441.

WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.

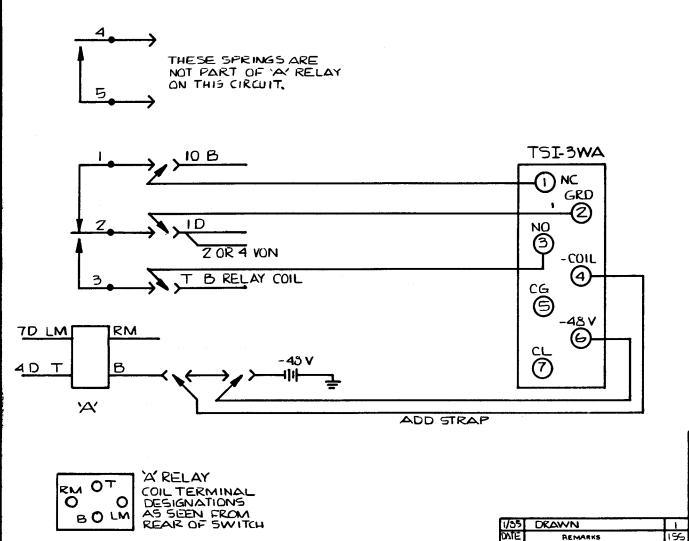


RM OT

A RELAY
COIL TERMINAL
DESIGNATIONS
AS SEEN FROM
REAR OF SWITCH.

3WA INSTALLATION INFORMATION FOR TSI-3WA ELECTRONIC PULSING RELAY ON WE SXS SELECTORS WITH 3 SPRING A RELAY.

REVISIONS



INSTALLATION PROCEDURE 3 Spring 'A' Relay Replacement Using the TSI-3WA 5 Contact Electronic Relay

- Remove and tag all wires from 'A' relay contact springs 1 through 3.
- 2. Remove contact spring assembly from heelpiece.
- 3. Remove armature.
- Remove cover guide stud from heelpiece and place on relay 'C'.
- Install TSI-3WA relay on heelpiece using screw provided.
- Remove negative battery wire from coil terminal 'B' and place on TSI-3WA pin 6.
- Add strap from TSI-3WA pin 4 to negative battery coil terminal 'B'.
- Make other connections as shown in block diagram under 'TSI-3WA'.

Contact spring 1 to pin 1. Contact spring 2 to pin 2. Contact spring 3 to pin 3.

Should your circuit be wired differently or there be any questions or additional information needed, please call Bob Forsythe at 800-433-3337; in Texas call 800-792-3441.

WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.

