

Rockwell service letter No. SL-AG-74A

International

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Service Letter No. SL-AG-74A
(Supersedes Service Letter No. SL-AG-74)
October 24, 1975

MASTER RELAY CONTROL CIRCUIT

MODELS AFFECTED: MODEL S-2R, SERIAL NO'S 1640R THRU 2173R AND 5001R THRU 5075R.

NOTE

Aircraft modified in accordance with Service Letter SL-AG-74 do not require further rework.

REASON FOR PUBLICATION: To provide power for master relay from aircraft bus and battery positive side.

COMPLIANCE: Within next 100 hours time in service.

NOTE

IF ANY PROBLEMS ARE ENCOUNTERED WHILE COMPLYING WITH THIS SERVICE LETTER, CONTACT ROCKWELL INTERNATIONAL, GENERAL AVIATION DIVISION, CUSTOMER SERVICE DEPARTMENT, BETHANY, OKLAHOMA 73008

BY WHOM WORK WILL BE ACCOMPLISHED:

A & P Mechanic or equivalent

APPROVAL:

FAA DER Approved

ESTIMATED MAN HOURS:

One (1) Hour

PARTS DATA: Parts required to comply with this Service Letter may be purchased as a kit from your nearest Rockwell Commander Distributor. Reference this Service Letter, aircraft model and factory serial number when ordering Service Letter No. SL-AG-74A kit consisting of the following:

| Qty | Part No. | Description |
|-------|---------------------------------|--------------|
| 2 ea. | S-3A2 | Diode |
| 2 ea. | MS25036-103 | Terminal |
| 2 ea. | MS25036-105 | Terminal |
| 8 in. | No. 3 (MIL-I-71444) | Vinyl Tubing |
| 1 ea. | Service Letter No. SL-AG-74A | Instructions |

SPECIAL TOOLS: None

ACCOMPLISHMENT INSTRUCTIONS:

1. Assure that battery switch is OFF.
2. Remove right fuselage skin below cockpit to gain access to battery.
3. Disconnect battery.
4. Remove and discard wire No. 90176-29, and existing diode from master relay (see Figure 1.).
5. Install S-3A2 diode (2 places), MS25036-103 terminal (2 places), MS 25036-105 terminal (2 places), and No. 3 vinyl tubing (see Figures 1. And 2.).
6. Reconnect battery.
7. Reinstall fuselage skin.

ELECTRICAL LOAD: No Change

WEIGHT AND BALANCE: No Change

PUBLICATIONS AFFECTED: The Illustrated Parts Catalog changes required by this document will be incorporated at the next scheduled change/revision.

RECORD COMPLIANCE: Make appropriate entry in airplane maintenance records as follows:

Service Letter NO. SL-AG-74A dated October 24, 1975, entitled "Master Relay Control Circuit", accomplished (date)_____.

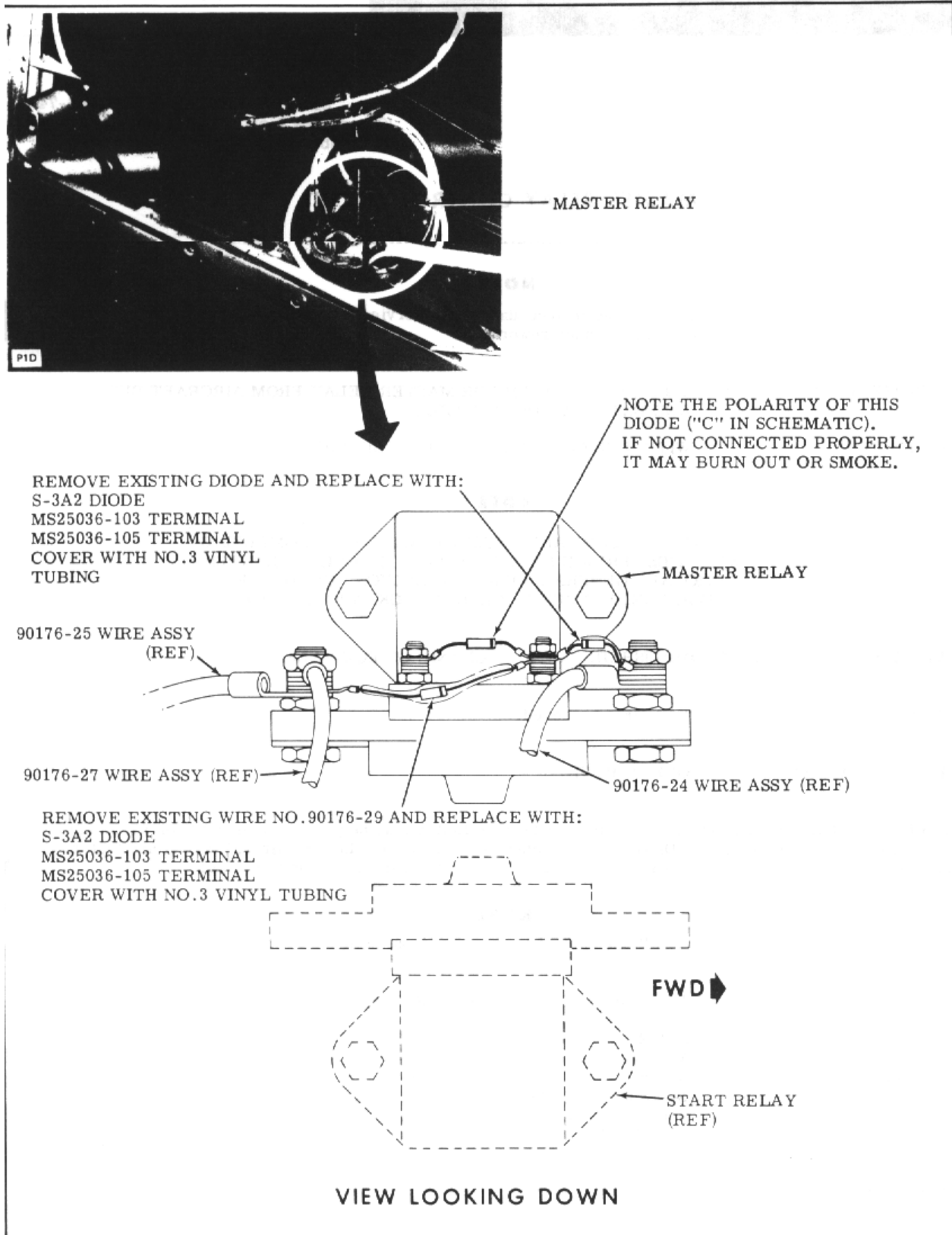


Figure 1.

1. In case of conflict between illustration and installation shown in Figure 1., and this schematic, follow the schematic.
2. Wire numbers shown are for guidance only and may vary in different airplanes.
3. In all cases follow the schematic to check the connections from positive of battery to relay contact terminal (large stud) and External Power connection to relay contact terminal (large stud). Other side of relay contact (large stud) is output of Battery Power and External Power. Coil terminal of the relay which accepts positive voltage from Battery and/or External Power. Coil terminal of relay which is connected to Battery switch.
4. Delete diode "B" from airplane.
5. Install new S-3A2 diodes "B" and "A" as shown in schematic (read step 3. above).
6. Diode "C" may or may not be installed in the airplane. This diode may be installed if required to suppress minor noise or voltage spikes.

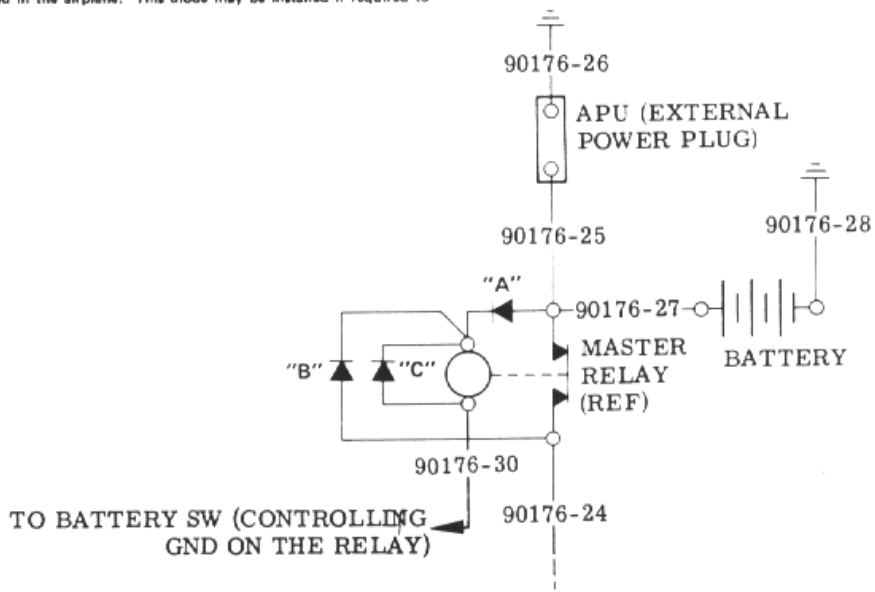


Figure 2.