



Service Bulletin #72 Drive Cutout Relay Rewire

December 22, 1999

Product Affected: SJB-46TK, SJB-66TK and SJKB-40 Engine Powered Booms

SJB-46TK

94129 and below.

SJB-66TK

93272 and below.

SJKB-40

95088 and below (Except for machine 95058).

Introduction:

We have found it necessary to rewire the drive cutout relay on the TK Series and to relocate the drive cutout relay on SJKB Series for the above listed machines. Please follow the appropriate instructions included to complete this relay installation.

Tools Required:

- Large blade screwdriver
- Small blade screwdriver
- Crimping tool
- Wire strippers
- Needle-nose pliers
- Wire cutters

Procedure:

**For: SJKB-46TK Serial Number 94129 and below
SJKB-66TK Serial Number 93272 and below**

Before starting, disconnect batteries and insure that no power is being supplied to the machine.

Refer to the relay diagram for installation instructions.

1. Open lower control console. Remove wire track cover.
2. Remove wire 61A off of 08CR3 and 51CR. Discard wire assembly.



3. Remove wire 61 from 08CR3 and connect to terminal 30 on 51CR.
4. Disconnect wire 09 from terminal 1 on the EDA board. Re-route this wire through the wire track to terminal 30 on 08CR3.
5. Connect the supplied 09 wire to terminal 87 on 08CR3. Route the other end through wire track down to terminal 1 on EDA board. Connect supplied spade connector to wire, crimp spade connector. Attach to terminal 1 on EDA board.
6. Re-install wire track covers.
7. Test Functions.

For: SJKB-40 Serial Number 95088 and below

Before starting, disconnect batteries and insure that no power is being supplied to the machine.

Refer to the relay diagram for installation instructions.

Upper control box instructions

1. Open upper control console. Remove wire track cover.
2. Remove wire 62C off of 08CR2 on terminal 87 of the relay. Also disconnect that same wire off of terminal block. Discard wire assembly.
3. Disconnect wire 62B off of 08CR2 on terminal 30 of the relay. Cut wire at spade connector, re-route the cut end of wire 62B into the location where wire 62C was removed from the terminal block.
4. Disconnect wires 08 and 02 from relay 08CR2. (wires will remain disconnected in control box)
5. Remove relay 08CR2 out of the upper control box. (do not discard relay, it will be used later)
6. Wire tie any loose wires.
7. Re-install wire track covers.

Lower control box instructions

1. Open lower control console. Locate relay 30ACR on the swing out door in the lower control box. Install the 08CR2 relay (that was removed from the upper control box) below the 30ACR relay. The terminals should be facing down.
2. Remove wire track covers.
3. Locate wire 09 on terminal 1 of the EDA board. There will be two 09 wires located on the EDA board. One of the 09 wires is jumped from the EDA board to the MDSD board; the other goes into the cable track. We want the one that goes into the cable track.
4. Trace the 09 wire back to the main terminal block. Cut wire ties while tracing the 09 wire. Disconnect the 09 wire at the main terminal block.
5. Re-route the 09 wire from the EDA board down through the wire tracks to the 08CR2 relay.
6. Cut the 09 wire to length. (Approximately 8 inches from the wire track) Attach the supplied blue spade connector to the 09 wire. Connect the 09 wire to terminal 87 on 08CR2 relay. This wire is now 09A off of the relay to the EDA card.



7. Connect the supplied 09 (yellow) wire assembly to terminal 30 on the 08CR2 relay. Route this wire through the cable track to the main terminal block and connect into the previous wire 09 location.
8. Connect the supplied 08 (purple/white) wire assembly to terminal 85 on the 08CR2 relay. Route the wire through the cable track to 08CR3 relay located on the main relay board.
9. Disconnect wire 08 off of terminal 85 of the 08CR3 relay. Cut the spade connector off of wire 08. Insert the 08 wire from the 08CR2 relay with the 08 wire from 08CR3 relay into the supplied yellow spade connector. Crimp spade connector. Connect new spade connector onto terminal 85 of 08CR3 relay.
10. Connect the spade connector of the supplied 02 (white) wire to terminal 86 of the 08CR2 relay, then connect the ring terminal of the supplied wire to the bottom center terminal of the voltmeter.
11. Wire tie any loose wires within the lower control console.
12. Re-install wire track covers.
13. Test functions.

Parts and Warranty Policy:

Upon completion, send in a warranty claim form, for each machine, stating Service Bulletin #72 has been completed.

Skyjack will pay 1 hour of labor per machine plus travel time, up to 4 hours, for this bulletin.

Ownership of Machines:

If you have sold or transferred SJB-46TK, SJB-66TK or SJKB40 machine(s) with the serial numbers listed above, it is your responsibility to forward this service bulletin to the current owner and to notify Skyjack Inc.

Contact Information:

We regret the inconvenience and appreciate your cooperation. If you have any questions please call Skyjack Service at **800-275-9522** or **630-262-0005**. You can e-mail any questions to service@skyjackinc.com