TT244 – June 2, 2006

Heated seats

This Tech Tip is intended to provide information on servicing Harley-Davidson's new heated seats. These seats are a standard feature on the '06 FLHTCUSE, with a P&A version sold for use on FL model motorcycles.

When evaluating the operation of a heated seat, bear in mind that for safety reasons there is some 'warm-up' time involved after the seat is turned on. A minimum time of 8-10 minutes is normal before noticing warmth in the seat. The heat has to permeate a layer of foam padding, so you will not notice a change by simply running your hand over the surface of the seat—you need to depress the seat material.

To check for proper operation, turn the seat control to 'high' and allow the proper warm-up time. If the temperature hasn't changed after the 8-10 minute warm up, test the seat as follows using a multi-meter and HD Harness Test Kit PN HD-41404-A. (NOTE: use the highest rated--at least 10A--max fused terminal on the meter, with the selector switch set to read DC amps. If during the tests the meter shows 0 amps, verify that the meter fuse is good and that the meter leads are located in the proper meter terminals.)

FLHTCUSE CVO's:

1. Check the battery voltage at the dedicated seat connector (plug 191A). With the switch on, the battery voltage should be at least 12.0 volts.
2. Check the current draw of the seat when the heating coils are activated. **NOTE: Before performing the current draw test, make sure the seat has been off for at least 10 minutes and is cool. A hot seat will give you false readings.** Remove the 15 Amp P&A Fuse from the fuse block and install a multi-meter (calibrated to read amps) in series into the circuit by inserting the gray pin probes into the fuse block connectors. (See Photo)

3. With the key in the “ON” position, note the current draw on the multi-meter
    a. Toggle the rider seat heating switch to the ‘high’ heat position. If the heating circuit is functioning, the current draw should increase by 1.50- 3.00 amps.
    b. Next, test the pillion heater. Turn off the rider seat, and toggle the passenger pillion’s switch to the “ON” position. If this circuit is working, the current draw should increase by 0.75-2.00 amps.

P&A “Sun Ray” Heated Seats

1. Check the battery voltage at the Accessory connector (plug 4A). With the ignition and the accessory switches on, the battery voltage should be at least 12.0 volts.
2. Check the current draw of the seat when the heating coils are activated. Remove the fuse located in the wiring harness of the seat and install a multi-meter (calibrated to read amps) in series into the circuit by inserting the pink probes into the fuse block connections. (See Photo)

3. With the ignition switch and the accessory switch in the “ON” positions, turn on the seat. If the circuit is working, the current draw should read 2.50-3.50 amps.

If any of the heated seats fail to draw current when activated, they may be returned under warranty.