



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR JIMS No. 2051, 2052, 2053, & 2054 DAMAGE CONTROL KITS

JIMS Damage Control Kits are designed to give the rider an early warning of the accumulation of ferrous debris in an engine. The early warning is an indicator that something within the engine is starting to fail. Even small amounts of ferrous debris can damage every bearing surface, requiring a complete engine teardown, flush, and rebuild.

NOTE: PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE PERFORMING ANY WORK. IF YOU DO NOT KNOW WHAT YOU ARE DOING, DO NOT DO IT! TAKE YOUR BIKE TO A QUALIFIED HARLEY SPECIALIST. ALWAYS WEAR SAFETY GLASSES OR OTHER FACE AND EYE PROTECTION SUCH AS A FULL FACE SHIELD. JIMS IS NOT RESPONSIBLE FOR THE QUALITY AND SAFETY OF YOUR WORK. Make sure your work area is clean and well lit. Always follow safe shop practices. Wipe up any spilled fluids immediately. Wear protective clothing and use caution and common sense around bikes, bike lifts, and compressed air. Have a fire extinguisher accessible in your garage.

Additional / Optional Items

- H-D No. 69200722 Electrical Connection Update Kit for 2014 to present FLH models.
- H-D No. 72673-11 Electrical Connection Update Kit for 2012 to present Dyna models.
- H-D No. 70264-94A Accessory Plug Adapter. Allows 2 Accessories to share 1994-2013 FLH ACC plug.

Recommended Tools and Supplies

- 5/8" deep socket and ratchet
- Torque wrench(es) measuring foot pounds and inch pounds
- Oil drain pan
- 3 - 5 quarts of 20W/50 Motor Oil depending on model
- 3/32" Allen hex driver
- Zip ties and diagonal pliers
- H-D Service Manual for year and model bike you are working on



1. Run engine until warm. Remove drain plug and let oil drain into catch pan.
2. Disconnect battery ground cable.
3. After oil has drained install JIMS Damage Control Drain Plug Sensor No. 2059, using care as you insert into the oil pan, and torque to 14-21 ft/lbs using a deep 5/8" socket. Be careful not to disturb the sensor wire near the magnet. Check the magnet of the drain plug sensor to verify that it is clean of metal debris.

Caution: Use care when installing the sensor plug into the oil pan, do not bump sensor on the oil pan or drop the drain plug. There needs to be a .05" gap between the sensor wire and the magnet to work properly.

4. Remove fuel tank following service manual for year and model bike you are working on.
5. Test LED light strip by touching the red positive wire to 12 volts and grounding the black wire.



CAUTION: WEAR SAFETY GLASSES OVER YOUR EYES.
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Performance Parts For Harley-Davidson Motorcycles

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6. Install the handlebar warning light assembly onto the left side of handlebars and run the wires down handlebars and backbone of the frame toward the battery and accessory connector plug. It is your call as to whether stick the LED strip to the handlebars by peeling the adhesive strip off of the back. It is not necessary as the housing will capture the LED strip and hold it in place. Be sure the 3 LED lights line up with the holes in the handlebar clamp.

Note: Do not bend the primary wire harness at the junction of the LED light strip.

Tighten the four screws to 7 in/lbs making sure the gap is equal on both sides. Zip tie wire loom to handlebars in at least two locations or run internal if desired. Test LED lights after installation by applying 12 volts to red positive wire and grounding the black wire.

7. On 2007 and later FLH models run the primary wiring loom inside the wiring trough. On other models, zip tie the loom to the backbone of the frame.
8. Plug the secondary wiring loom onto the connector post of the sensor drain plug. Run the secondary loom up toward the battery/accessory connector. Plug the Deutsch connector from primary wiring loom into the accessory plug on the bike's main wiring harness.

Note: Certain models need an H-D electrical connection update kit. See additional / optional items above.

9. Connect the bullet connector to the main wiring loom. Make sure all wires are run cleanly and zip tied so the wiring harness is secure. Be sure wires avoid drive belt, exhaust pipe, or anything that could damage the wire loom.
10. Tie up excess wiring under seat.

Note: The primary wire loom is intentionally made long to allow for tall handlebars. Tie up excess wiring into a loop and locate it under the seat near battery for a clean installation.

11. Install fuel tank following H-D Service Manual.
12. Connect battery ground cable.
13. **Refill oil tank** with proper type and amount of engine oil. **Do not overfill.** Check oil level with engine at operating temperature and fill to the "full hot" mark on dipstick. Follow H-D Service Manual for year and model bike you are working on.
14. On future oil changes, use care when removing and installing the sensor plug. Gently wipe any metallic debris from magnet on Damage Control Sensor. Replace the drain plug O-ring with JIMS No. 2059-6 or H-D No. 11105 as needed.

Note: If LED light give a false warning, remove the drain plug/sensor and clean the magnet and sensor wire with contact cleaner. Wipe any metal particles away with a clean, lint free cloth. Clean the connector post and mating plug with contact cleaner. Make sure the connector is pressed on snug and that the rubber boot seals up tightly to the drain plug/sensor.

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