

2007 Model Year Information

The following information is intended to give you a quick overview of the 2007 Model Year changes; it will not cover all the information on these topics. Please refer to the Service, Electrical and Owners Manuals along with the 2007 Model Year Technical Forum, which can be found on the Service page of h-dnet, for more in depth information on these topics.

1. Initial Care Programs

- 2007 XL Sportster Initial Care Service Bulletin M-1189
- 2007 Twin Cam Powertrain Initial Care Service Bulletin M-1193

2. Harley-Davidson Smart Security System (H-DSSS)

- The Security System now uses a new Hands-Free Security Module (HFSM) that will automatically arm when the fob is not present. When the fob is present and the ignition is turned on it will automatically disarm.
- To remove the power from a motorcycle with this system installed you will need to turn on the ignition to disarm the system, then turn off the ignition and remove the maxi-fuse within 5 seconds of key off.

3. 6th Gear Indicator on Touring Models

- This function is controlled by vehicle speed and engine rpm, it is **not** controlled by a switch; therefore the 6th gear indicator will **not** be on at all times while in 6th gear.

4. 2007 Touring Model Idle Temperature Management Download Option

- This was considered EFI Heat Management Strategy in previous model years.
- 2007 Touring Models will not have this installed but it can be installed by the dealer using Digital Technician. It may be installed and removed **one** time under warranty.
- The download will cut combustion to the rear cylinder only at a certain engine temperature when the bike is not moving and is at idle.

5. O2 Sensors

- O2 sensor diagnostic codes may be seen during the vehicle break-in period. The O2 sensor diagnostic codes will not illuminate the check engine lamp for current or historic codes and will only be indicated by Digital Technician or speedometer self diagnostics. If the diagnostic codes are reported during the break-in period, clear or ignore the codes until the break-in period is completed.

6. 6 Speed Transmissions

- All Big Twin Models have a 6-speed transmission in 2007. You will notice a sound difference in 5th gear that is normal and due to the different cuts on the gears. 1st and 5th gears are spur cut gears whereas 2nd, 3rd, 4th and 6th gears are helical cut gears.

7. Molex Connectors

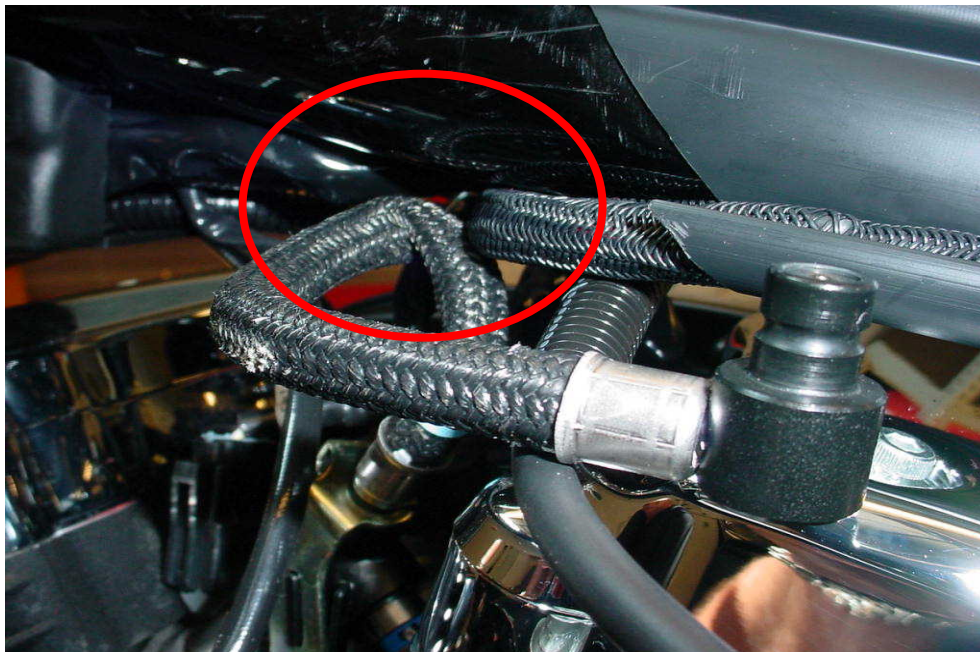
- All models (except Buell) will have Molex connectors in 2007.
- They require a special tool to service and are serviced from the mating side.

8. Modifications to the 2007 Models

- **Do Not** modify any motorcycle until you have **all** of the parts you will need. This includes calibrations!
- All cartridges will be obsolete.
- For 2007 Models all Street Legal calibrations will be available on Digital Technician and all Race calibrations will require the use of the Screamin' Eagle EFI Race Tuner.
- For 2006 Models all Street Legal and Race calibrations will be on Digital Technician.
- For 1995 – 2005 Models all Street Legal calibrations will be on Digital Technician. **NOTE:** Race calibrations for these years will not be available on Digital Technician until a later date.
- If you call Technical Service because the bike is being modified and you need a part, you will be instructed to return the bike to stock configuration which will cost the dealership valuable time and money.

9. XL Fuel Lines

- The XL fuel line will appear to have a kink in it when the motorcycle is not running. This is normal as the line will open up when fuel pressure is applied. The picture below will show this.



10. XL Press-in-place Rocker Box Gaskets

- When installing these gaskets do not press them into the lower rocker box with your hands, this may distort the gasket. You want to set the gasket in the groove and then use the top rocker cover to press the gasket in place.

11. 2007 Big Twin Torque Values (similar to the 2006 Dyna)

- These are some torque values that you may need for accessory part installations
- Primary chain tensioner fasteners: 21-24 ft-lbs
- Primary cover fasteners: 108-120 in-lbs
- Primary chaincase sealing fasteners (inner primary): 26-28 ft-lbs
- Starter fasteners: 13-20 ft-lbs
- Compensating sprocket bolt: 155-165 ft-lbs
- Clutch hub nut: 70-80 ft-lbs
- Breather bolts: 22-24 ft-lbs
- Air filter bracket screws: 40-60 in-lbs