

TT233 - February 13, 2006

## **2006 Dyna Service Manual**

Please make these corrections in your 2006 Dyna Service Manual:

1. Page 7-3, in the second paragraph under the heading of 1<sup>st</sup> gear. The book refers to "countershaft 5<sup>th</sup>" in two sentences. In both cases it should read "countershaft 6<sup>th</sup>".
2. Page 2-62; make the corrections shown on page 2 of this document.

11. See [Figure 2-89](#). Install stopper ring (26) into groove in top of oil seal.
12. Push dust shield (25) against oil seal and stopper ring.
13. Rotate slider cover to match any removal burrs to notch in slider and snap slider cover (24) into place.
14. Move slider through its full range of travel several times to verify alignment. Then, pulling down on slide to apply downward force on rebound spring (2), tighten seat pipe screw to 106-159 **in-lbs** (12-18 Nm).
15. Re-position fork tube in FORK TUBE HOLDER (HD-41177) vertically. With slider tube compressed, fill the fork with Harley-Davidson TYPE E FORK OIL (Part No. HD-99884-80) until it is approximately the applicable following distance from top of fork tube:
  - a. FXDWG- 4.4 in (112 mm), approximately ~~26.6 oz (787 cc)~~ **29.6 oz (875 cc)**
  - b. All other Dyna models- 4.3 in (110 mm), approximately ~~29.6 oz (875 cc)~~ **26.6 oz (787 cc)**
16. Slowly pump slider 8 to 10 times to exhaust air from assembly. Fully compress slider to determine oil level.

**NOTE**

*Fork oil level is measured from top of fork tube, with spacer and spring removed and fork fully compressed.*

17. Using the PRO-LEVEL OIL GAUGE (HD-59000A), adjust the oil level to distances specified in step 16 a and b.
18. Pull out the slider (32) and install the spring (4) in the fork tube with the tightly wound end at the bottom.
19. Install the washer (5) and spring collar (23).

 **WARNING**

**Wear safety glasses or goggles when servicing fork assembly. Do not remove slider tube caps without relieving spring preload or caps and springs can fly out, which could result in death or serious injury. (00297a)**

20. With a **new** o-ring, install and tighten fork tube caps to 16-43 ft-lbs (22-58 Nm).

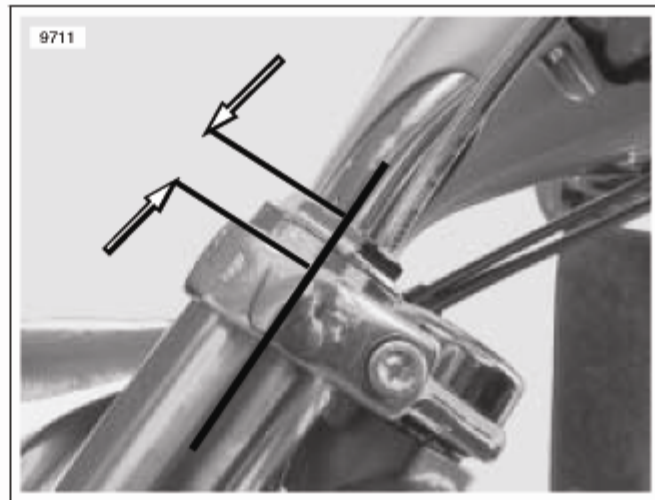
**NOTE**

*To prevent cross threading fork tube caps, use caution when threading in the caps with the spring compressed.*

21. Repeat for opposite fork tube and slider assembly.

## INSTALLATION

1. See [Figure 2-92](#). Insert fork tube and slider assemblies through lower triple clamp and upper triple clamp. Fork tubes should project above upper triple clamp 0.450-0.500 in. (11.4-12.7 mm). Measurement must be taken at midpoint of fork tube between top surface of triple clamp to top of fork cap. Tighten pinch bolts to 30-35 ft-lbs (41-48 Nm).
2. Install front fender and bracket. See [2.26 FRONT FENDER](#)
3. Install front brake caliper hydraulic lines and install front brake calipers. See [2.4 FRONT WHEEL](#). Install front wheel and align the wheel to the forks.



**Figure 2-92. Fork Tube Projection: Typical**