

# TT 200

July 5, 2005

## **2006 VRSCR Service Manual Correction**

The torque value for the pinch bolts listed in procedure #3 of the installation process has been corrected. The correct torque is 44 Nm (32.5 ft- lbs.) Please print and insert page 2 of this document in your 2006 VRSCR Service Manual page 2-74.

## GENERAL

The fork caps are designed to help keep dirt and debris from building up in the recessed areas in the upper triple tree. These caps are equipped with a spring device to help hold them in place when installed.

See Figure 2-83. to see bottom of fork cap showing spring. Note that fork caps are unidirectional and have a letter F and an arrow identifiers to indicate front of motorcycle.

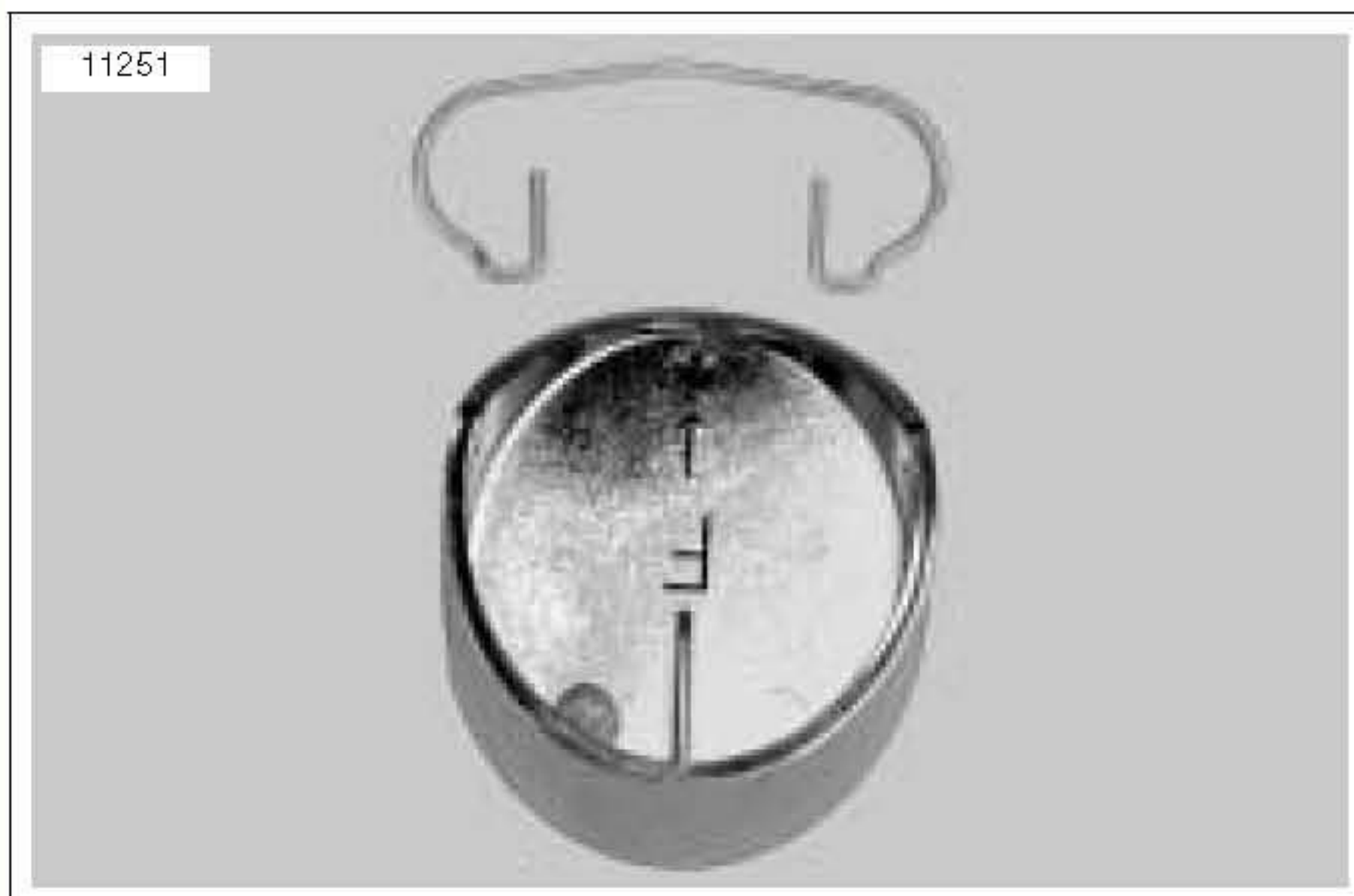


Figure 2-83. Fork Cap Inverted With Spring Removed

## REMOVAL

### WARNING

Completely clean excess lock patch from pinch bolt threads. Tap bolt holes and blow bolt hole threads clean with compressed air. Failure to properly clean these threads will cause improper torque readings upon assembly and can result in loss of vehicle control, death or serious injury.

### NOTE

Upper triple tree pinch bolts must be removed to perform this procedure.

1. Remove upper fork pinch bolt from upper triple tree.



Figure 2-84. Insert Wrench

2. See Figure 2-84. Insert an 1/8 inch allen wrench between gap at rear of upper triple tree while angling wrench upward until it touches fork cap.

3. Push wrench in completely until wrench bottoms.
4. Release upward pressure on wrench and allow wrench to rest on top on spring.
5. Apply a small amount of downward pressure and slowly pull wrench out from fully inserted position until wrench stops making contact with spring.

### NOTE

Repeat step 5 a few times until familiar with approximate location of spring in cap.

6. At point where wrench losing contact with spring, stop and regain contact of spring with tip of allen wrench.
7. Push against spring while gently prying cap upward from fork with fingernails.

## INSTALLATION

See Figure 2-93 Note location of notch. There is one notch per side of upper triple tree.



Figure 2-85. Notch In Upper Triple Tree



Figure 2-86. Install Fork Cap

1. See Figure 2-86. Set cap on top of triple tree and while applying downward pressure with fingers, push spring in with allen wrench.
2. With first side of cap installed, gently press spring in on opposite side of cap and cap will sit flush in triple tree.
3. Install lock patch on triple tree pinch bolts and install. Tighten pinch bolts to 44 Nm ~~933 ft-lbs~~ (32.5 ft-lbs).

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## **ECM Running Change**

In the interest of continuous improvement the current ECM (p/n 32534-05) will supersede to a new version (p/n 32534-05A). The new ECM has internal changes to support the 2006 model year product and will retrofit. However, your current inventory of ECMs will not work on 2006 models.

This change was timed to coincide with 2006 model year launch, but has launched early. The last 300 V-Rod models built this model year have the 32534-05A version ECM. As soon as the current inventory of 32534-05 ECMs is depleted the "A" version will start shipping as the service replacement ECM.

### **Service Implications:**

1. The current released version of Digital Tech software (15.08) will read data stream information and assist in diagnostics of vehicles equipped with the 32534-05A ECM, BUT Reflash and Password Learn functions are currently unavailable for any calibration. The OE and street legal performance calibrations for this ECM will be supported with version 16.04 Digital Technician software, which is due to release at the time of Summer Dealer Show (July 23, 2005).
2. For racing applications: P&A calibrations on cartridges, EFI Race Tuner Kits, and EFI Race Fuelers will not be available until after the Summer Dealer Show. None of your current inventory can be used on this ECM. Use your existing cartridge and EFI Race Tuner inventory on those models and ECMs specified in "Calibrations Information" listings on h-dnet.com.
3. The new P&A cartridges will only work with the 32534-05A ECM so the current cartridge part numbers will remain active. As the new part numbers become available they will be posted to the calibration matrixes on the Service page of h-dnet.com.
4. 2005 and earlier vehicles that have a suspected ECM failure and need to be replaced may require some additional resourcefulness.
  - Verify the failure by temporarily installing a known good ECM.
  - Attempt a dealer locator search on h-dnet for an appropriate ECM, many of the early parts are out there in dealer inventory and are perfectly fine to use.
    - 32784-01 ECMs for '02 to '04 V-Rod models
    - 32772-01 ECMs for '01 to '04 Twin Cam models
    - 32534-05 ECMs for All fuel injected '01 to '05 models
  - If you are unsuccessful in locating an ECM from another dealer, contact Technical Service for assistance.
5. In the interim, if you have a new vehicle with a 32534-05A ECM and your customer wishes to install street legal accessories that require a calibration reflash you will need to schedule that for a later service when you have the appropriate calibrations and parts in stock.
  - Those parts may still be registered on the SWR per the May 16, 2005 Dealer Communication on Promotion 113: Custom Coverage™ (see Sales Programs & Promotions on h-dnet.com's Sales page for more details)

### **Remember**

Always check the VIN, ECM part number using the "Calibration and Systems Info" screen on Digital Technician, and the vehicle for modifications before reflashing a calibration. This information must match the P&A Catalog recommendations and the "Calibration Information" on h-dnet.com.