



October 5, 2005

Safety Recall Notice #05V-432

Dear Big Dog Motorcycles' Dealer/Service Center:

This notice is sent to you regarding requirements set forth by the National Highway Traffic Safety Administration (NHTSA).

Big Dog Motorcycles, L.L.C. (Big Dog Motorcycles) has determined that a defect, which relates to motor vehicle safety, exists in the front and rear wheel hub bolts on 2005 model motorcycles produced by Big Dog Motorcycles, manufactured on or before June 1, 2005. The bolts attaching the hubs to the wheels can back out allowing the hub and brake rotor to detach from the wheel with an associated loss of stopping power. This condition could occur without any prior warning and could result in a crash. Big Dog Motorcycles has no reports of any accidents or injuries related to this condition.

A recall notice will be sent to the registered owners of these motorcycles. Instructions for the remedy for these motorcycles are also included with this notice. Some of the motorcycles affected by this recall are shown in your inventory. A list of these bikes is enclosed. **We ask that you immediately suspend all pending and future sales of motorcycles affected by this recall campaign until the remedy has been performed.** It is a violation of Federal law for a dealer to deliver a new vehicle covered by this notice under a sale or lease until the defect is remedied. Federal regulations require any lessor receiving this letter to forward it to the lessee within 10 days.

What You Should Do

Owners of the above-mentioned motorcycles will contact you to schedule this remedy. Enter a warranty claim through AWS using Labor Op R05V-432. Big Dog Motorcycles will pay 4.0 hours of labor for the removal, cleaning of the bolt threads and reattachment of the front and rear hub bolts of all members of the subject population at your posted hourly shop rate. Contact the Customer Service Department for any questions you may have on submitting claims.

We will inform the owners of these motorcycles of this remedy on or about October 15, 2005. You can advise them of the exact turnaround time based on scheduling and any other factors that may exist.

We appreciate your cooperation and prompt attention to this important matter. Big Dog Motorcycles apologizes for any inconvenience this may cause you, but assures you that we have taken this step as one that is important to our customer's personal safety.

Should you have any questions, contact Customer Service at 316-267-9121.

Sincerely,
BIG DOG MOTORCYCLES, L.L.C.



2005 WHEEL ASSEMBLIES REMEDY

Recall #05V-432

Identification:

All 2005 models built on or before June 1, 2005.

Procedure:

1. Remove front and rear wheel assemblies.

NOTE: When unbolting hubs from wheels, make an index mark with a grease pencil to clock all hubs and maintain factory radial run-out specifications. Disassemble the brake rotor, drive pulley and the wheel hubs on rear wheel. Disassemble brake rotor and wheel hubs on front wheel. This allows proper inspection and cleaning of hubs and wheel threads, bolts, and hub and center mating faces.

2. Inspect all mating surfaces of wheel hubs and wheel centers for scoring, galling, fretting or other damage due to loose or missing bolts.

3. Thoroughly clean the internal female threads of all hubs and wheel centers using a low-residue degreasing solvent such as brake cleaner, PJ1 Super Cleaner, or pure (99.9%) isopropyl alcohol, and a ½" diameter twisted wire brush [McMaster-Carr P/N 7353T811 (hand) or 4810A23 (power – recommended)], using a rotating motion or low rpm drill (300 rpm maximum) to completely remove all foreign matter and Loctite[®] residue. Final flush all threads with cleaning solvent and dry with compressed air.

4. Visually inspect all internal threads for foreign matter. If **any** foreign matter remains, repeat Step #3 until no foreign matter is present.

5. Thoroughly clean threads of all 7/16"-14 wheel hub and pulley bolts, and the 5/16"-18 brake rotor bolts using the same solvents in Step #3 and the wire brush to completely remove all Loctite residue and foreign matter from the bolt threads. Final flush all threads with cleaning solvent and dry with compressed air.

IMPORTANT: Apply several drops of Loctite 2760 to the end threads of all wheel hub bolts, and several drops to the wheel center threads, **starting at a point 4-5 threads deep**. If any bolt is damaged, replace with P/N BDM240-00312, 7/16"-14x1-1/4" SHCS, SS bolts.

6. Hand-tighten ALL wheel hub bolts before applying torque.

IMPORTANT: When reassembling wheels, install one hub on each wheel, **aligning the index marks made prior to removal** and tighten hub bolts in an alternating 5-point star pattern to an intermediate torque of 40 ft•lbs, and then to a final torque of 50 ft•lbs. Repeat final torque on all hub bolts. Slide hub sleeve into hub, put other hub on wheel, **aligning the index marks made prior to removal**, and tighten bolts with fingers **only**. Slide axle through hubs to align center sleeve, and torque second hub as indicated above.

7. **IMPORTANT:** Reassemble the drive pulley and brake rotor to the **rear** wheel hub using **Loctite 2440**. Reassemble the brake rotor to the front wheel hub using Loctite 2440. Apply several drops to the end threads of all bolts, and several drops to the internal hub threads both **front and rear** - **starting at a point 4-5 threads deep**.

8. Hand-tighten ALL pulley and rotor bolts **before** applying torque.

9. Tighten 5/16-18 brake rotor bolts in an alternating 5-point star pattern to a final torque of 16 ft•lbs (192 in•lbs) for both front and rear wheels. Repeat final torque on all rotor bolts.

10. Tighten 7/16-14 drive pulley bolts in an alternating 5-point star pattern to an intermediate torque of 40 ft•lbs, followed by a final torque of 50 ft•lbs. Repeat final torque on all pulley bolts.

Enter a Warranty Claim for this procedure through AWS using Labor Op **RO5V-432**. Big Dog Motorcycles will pay **4.0** hours for this procedure at your posted hourly rate.

If further assistance is necessary, contact Big Dog Motorcycles' Technical Support at 316-219-7000.