



NHTSA SAFETY RECALL

August 21, 2007

Safety Recall Notice #07V-355 Tachometer Board Update Remedy

Dear Big Dog Motorcycles' Dealer/Service Center:

Big Dog Motorcycles, L.L.C. (Big Dog Motorcycles) has determined that there is a safety defect in the tachometer board on certain 2007 Bulldog model motorcycles. A short circuit could develop in the tachometer board of these motorcycles that could cause the motorcycle to shut down. This is the same issue that was addressed in Red Service Bulletin 1093, dated May 25, 2007. Big Dog Motorcycles previously believed that this condition would only prevent the motorcycle from being re-started. Based on subsequent internal testing, Big Dog Motorcycles now believes the condition can also cause the motorcycle to shut down during operation. This condition could occur without prior warning and could result in a crash. Accordingly, Big Dog Motorcycles has decided that Red Service Bulletin 1093 should be elevated to a voluntary safety recall. There are no reports of any accidents or injuries caused by this condition.

A recall notice will be sent to all registered owners of 2007 Bulldog motorcycles within the affected population.

What You Should Do

Isolate the tachometer board from the housing on all motorcycles within the subject population in accordance with the enclosed instructions. This is the same remedy set forth in SB-1093. **You do not need to perform this remedy for a motorcycle that has already had SB-1093 performed.** 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 motorcycle 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.

Owners of the above-mentioned motorcycles will contact you to schedule a time for you to perform the remedy. At the time of repair, enter a warranty claim for this recall through AWS using Labor Op R07V-355. Follow this tachometer board update procedure for any recalled motorcycles in your current inventory. Big Dog Motorcycles will pay .5 hour of labor to perform this remedy at your posted hourly shop rate. Contact the Customer Service Department for any questions you may have on submitting claims for this recall.

We will inform the owners of these motorcycles of this safety recall on or about August 24, 2007. 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 customers' personal safety.

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

Sincerely,

BIG DOG MOTORCYCLES, L.L.C.



NHTSA SAFETY RECALL

BULLDOG TACHOMETER CIRCUIT BOARD IMPROVEMENT INSTRUCTIONS Recall # 07V-355

IDENTIFICATION: All 2007 Bulldog models that have not had SB-1093 performed.

ACTION: Modify the tachometer circuit board using the following procedures.

*NOTE: Before performing **any** of the following procedures, disconnect the battery, ground cable first.*

WARNING! TO PREVENT SPARKING, ALWAYS DISCONNECT GROUND CABLE FIRST AND RECONNECT LAST. SPARKS MAY CAUSE FLAMMABLE SUBSTANCES TO IGNITE OR EXPLODE.

1. Remove the two speedometer housing mounting bracket screws.



Typical. Remove screws from these two locations (1).

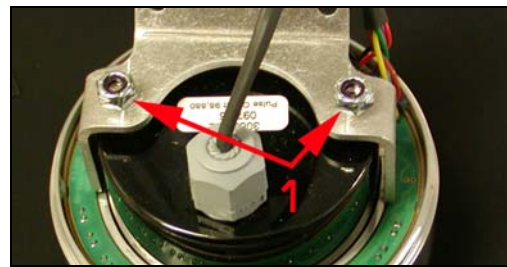
2. Remove the single Allen screw on the bottom of the speedometer housing.



Typical. Remove this screw (1).

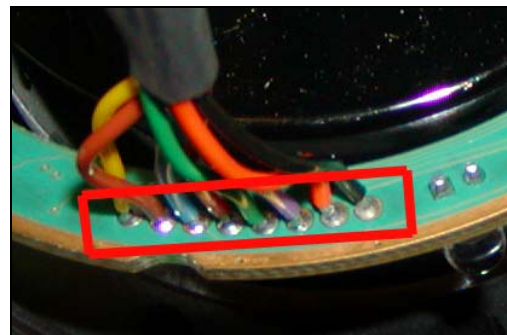
3. Carefully twist the face of the speedometer mounting bezel and pull the assembly from the housing.
4. Disconnect the harness connectors inside the housing.

5. Remove the two speedometer bracket nylock nuts and bracket.



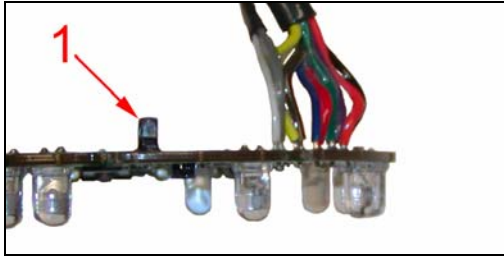
Typical. Remove these nuts (1).

6. The tachometer circuit board is retained with a snap ring. Remove the snap ring from beneath the retaining tabs.
7. Lift tachometer circuit board from bezel.
8. Apply a liquid-type electrical tape to the tachometer harness wires where they are soldered to the circuit board in area shown below.

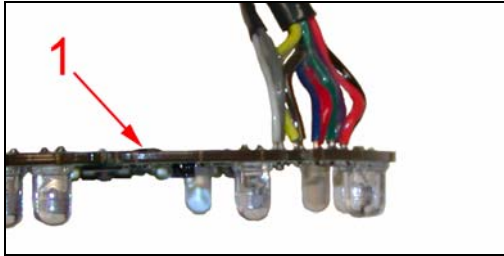


Apply a liquid-type electrical tape in area shown.

9. Use **only** a "flush-cut" style cutter to remove the data port connector from the tachometer circuit board shown in the next images. The cut wire leads **must not** contact each other.

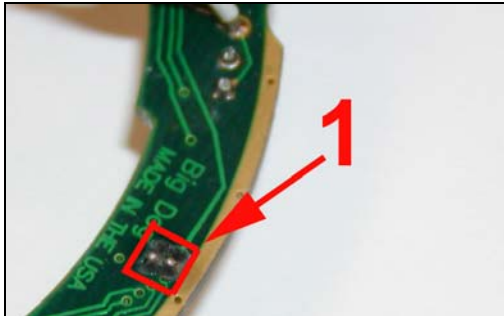


1. Remove data port connection.



1. Data port connection removed.

10. Once data port connection has been removed, cover exposed area with a liquid-type electrical tape.



1. Data port connection removed. Apply liquid-type electrical tape.

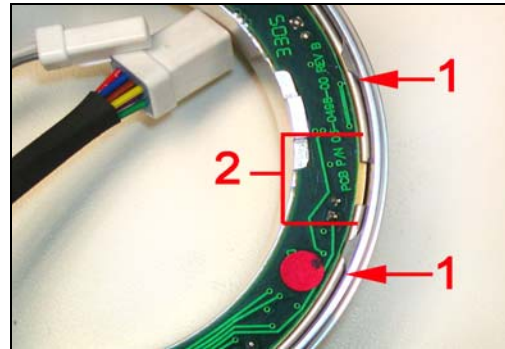
11. Insert Mylar tabs (170-000075-00) between foam ring and aluminum bezel where shown.



1. Mylar tabs.

12. Installation is reverse of removal. Carefully install the tachometer circuit board and adjust wiring to prevent breaking any wires.

13. Install the snap ring and position ends of ring in area shown in next image. Ensure snap ring is seated firmly under all retaining tabs.



1. Snap ring under retaining tabs.

2. Position ring ends in this area.

14. Install speedometer bracket and tighten nylock nuts to 6 in•lbs. **Do not over tighten.**

15. Connect harness connectors in housing.

16. Align housing to bezel and tighten Allen screw.

17. Thoroughly clean threads of the speedometer mount screws prior to assembly. Thoroughly clean internal threads at screw locations. Apply Loctite 2440 to screw threads and tighten.

18. Reconnect the battery, positive cable first, negative cable last.

CAUTION: AFTER CONNECTING THE BATTERY ON AN EFI-EQUIPPED MOTORCYCLE, YOU **MUST** TURN THE KEY ON, PRESS RUN, AND THEN TURN THE KEY TO THE OFF POSITION FOR **AT LEAST 15 SECONDS** TO RESET THE ECU SENSORS.

Enter a Warranty Claim for this procedure through AWS. Use Labor Op R07V-355.

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