

BAKER DRIVETRAIN 2007-2009 SPEEDOMETER RECALIBRATION UNIT INSTRUCTIONS



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RECALIBRATION BOX INSTRUCTIONS

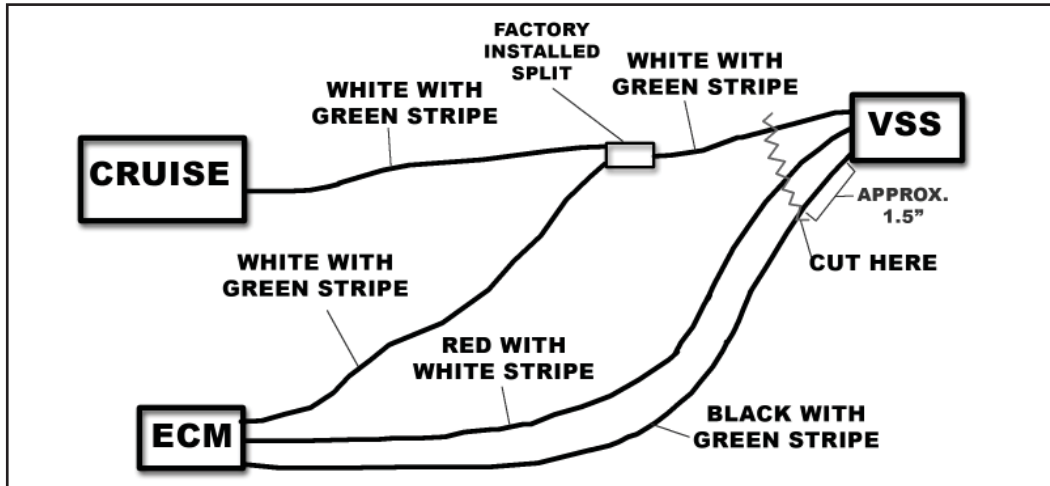
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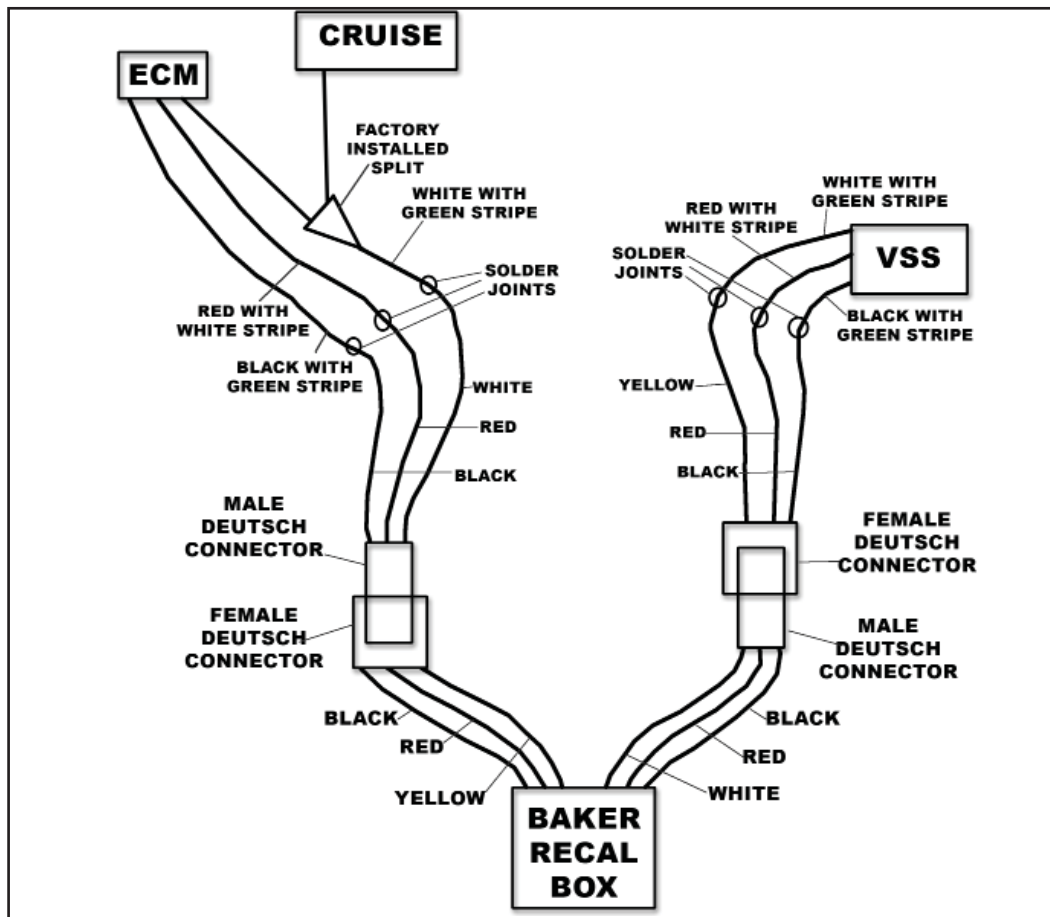
RECALIBRATION BOX INSTRUCTIONS

FOR 2006-2009 DYNA, 2007-2009 SOFTAIL, 2007 TOURING

BEFORE



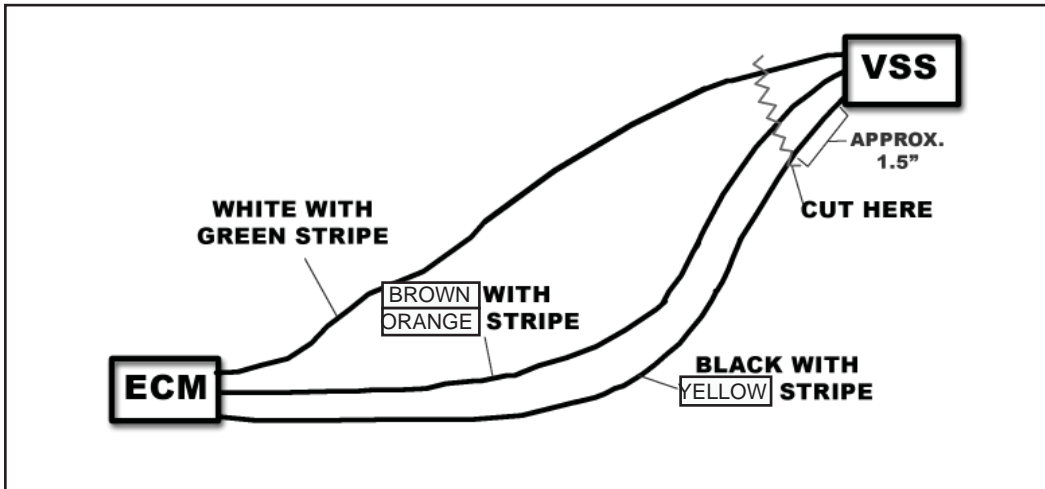
AFTER INSTALLING THE BAKER RECAL BOX ACCORDING TO SUPPLIED INSTRUCTIONS



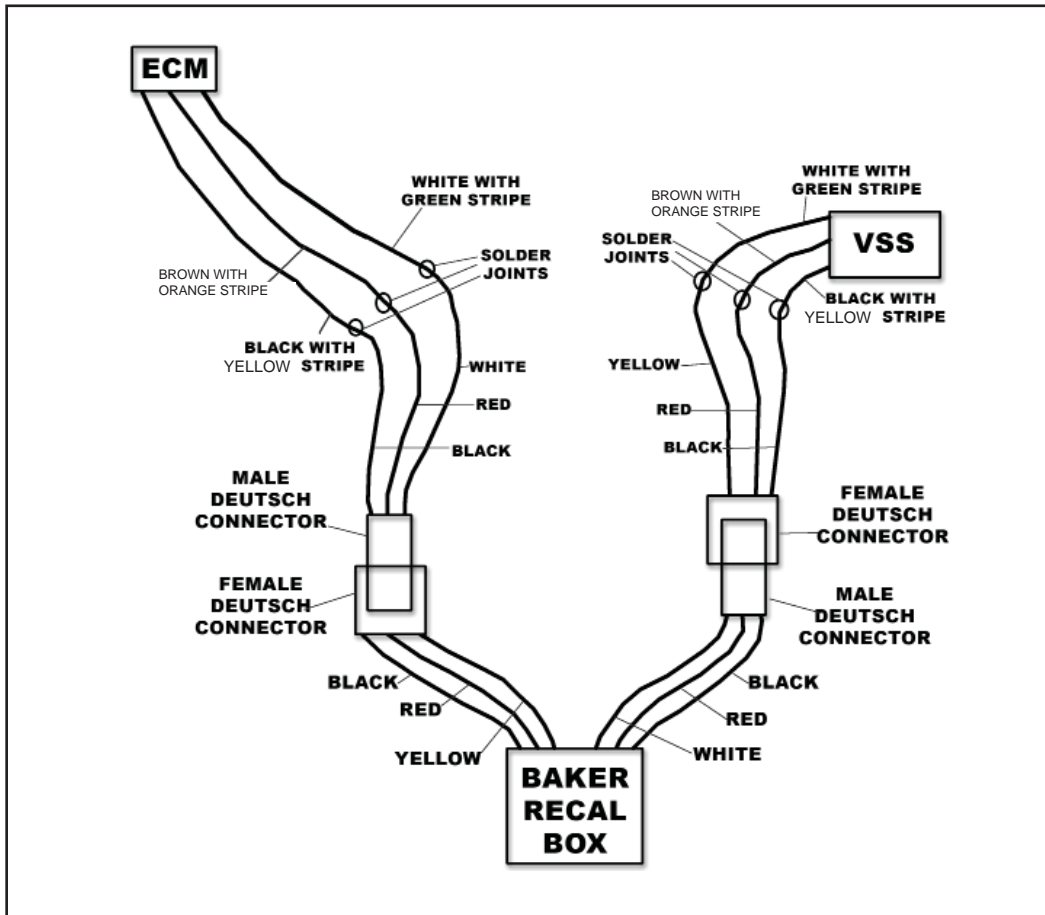
RECALIBRATION BOX INSTRUCTIONS

FOR 2008-2009 TOURING

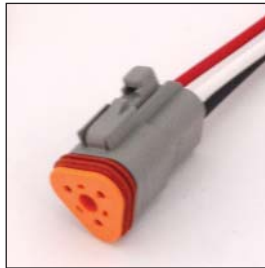
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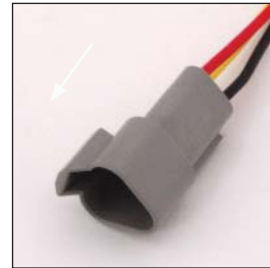
**AFTER INSTALLING THE BAKER RECAL BOX
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RECALIBRATION BOX INSTRUCTIONS




SPEEDOMETER SIDE



VSS SIDE

1) You will need to disconnect the wiring harness from the VSS (Vehicle Speed Sensor) and Neutral Switch on the transmission case and pull the wire harness back into the battery box. You need to do this in order to gain room to work. Cut the factory installed sheath off of the VSS wires back to union with the starter and Neutral switch wires. About 7" total and set aside. You then will measure back 1.5" back from the VSS plug and cut the wires.

2) Cut the white with green wire on the Factory harness before it splits into 2 wires. Using the provided 1" shrink wrap lengths, slide them on to the 3 wires of the provided Male and Female Deutsch Connector leads in preparation for soldering those leads into the factory harness. Once you have soldered in the provided leads and have gotten the Female Deutsch Connector on the VSS side of the harness, and the Male on the Speedometer side your wiring should be as listed out as denoted on the wiring diagram for your model of bike.

 PATIENCE AND CARE NEED TO BE TAKEN TO ENSURE THAT THE SOLDERING OF THE WIRES IS DONE CORRECTLY AND THAT YOU HAVE A GOOD CONTACT OF THE WIRES AT THE JOINTS. ADDITIONALLY THAT THE LAYOUT OF THE WIRES FOLLOWS THE PROCEDURE LAID PREVIOUSLY IN THIS DOCUMENT. FAILURE TO DO SO CORRECTLY WILL NOT BE KNOWN UNTIL THE BIKE IS ALL PUT TOGETHER AND THE SPEEDOMETER DOES NOT MOVE WHEN YOU GO TO LEAVE THE SHOP FOR THE MAIDEN VOYAGE.

3) Using the removed sheath from the factory wires, cut to length and wrap around the wires of the VSS sensor, from the factory plug back to the joint you just created with the Female Deutsch Connector leads. Reinstalling the factory sheath helps protect those wires that lay directly between the starter and transmission case from the heat of that environment.

4) Wrap the rest of the wires that you installed with electrical tape to keep them bunched nicely out of harm's way and for the abrasion resistance that it offers. You are now ready to feed the wiring harness back through the battery box to the transmission area. You need to feed the VSS plug back to the VSS sensor, the neutral plugs back into place and the starter feed down to the transmission in preparation for starter re-install, whilst leaving the male and female Deutsch Connectors available to be plugged into the BAKER ReCal Box. You then are ready to place the ReCal box hanging over the side of the frame, under the seat, in preparation for the maiden voyage and Calibration Process. Lay the ReCal Box in such a manner that when the bike is back together, you can safely access it while riding down the road.

5) Through our development of the installation procedure and assessment of the function characteristics of the BAKER ReCal Boxes on the new Cruise Drive Transmissions, we have learned that due to variations in Dynometer calibrations, the speedometer & ECM calibration and algorithm settings from the factory, and the Throttle By Wire system that the Speedometer may need to read up to 4 mph faster at 60 mph than a Dyno or GPS unit reads. Cases where the 6th gear light fails to light up or issues are being experienced in achieving proper cruise function, can be attributed to one, or a combination of these factors. Having the speedometer read faster will usually cure both of these issues. If you experience trouble in getting the recal box to function correctly give our tech line a call and we will get you taken care of. We always do.

TERMS & CONDITIONS

ORDERS

Orders can be pre-paid using VISA, MasterCard, American Express, and Discover or via wire transfer (\$30 wire transfer fee applies). All orders not pre-paid will be sent C.O.D. certified check or money order only unless pre-approved for company check acceptance. Any orders from outside the USA must be pre-paid in US funds via wire transfer (\$30 transfer fee applies). Prices shown are F.O.B. Haslett, MI. BAKER™ ships via UPS Ground or USPS Parcel Post for all orders. UPS air shipment or USPS Priority/ Express services are available upon request. Customer is responsible for all shipping charges unless otherwise arranged at the time of sale.

CUSTOMER SUPPORT

For any installation or service questions, please contact our BAKER technical department: 1-517-339-3835.

LIMITED WARRANTY

NOTE: Warranty card must be returned within 45 days of purchase for your warranty to be valid.

BAKER™ transmission assemblies and transmission builder 's kits, are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of 5 years from the date of purchase or up to 50,000 miles, whichever occurs first. All other BAKER products are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of 2 years from the date of purchase or up to 24,000 miles, whichever occurs first, except for the following; Warranty does not cover clutch plate wear, throw out bearing failures or mainshaft breakage due to improper clutch nut installation.

Electrical components carry a 30-day warranty; cosmetic finishes (chrome plating, hard anodizing, powder coating) are covered for 60 days. Certain promotional products may carry a shorter warranty as specified at the time of purchase. If the product is found by BAKER to be defective, such products will, at the option of BAKER, be replaced or repaired at cost to BAKER.

In the event warranty service is required, the original purchaser must call or write BAKER immediately with a description of the problem. If it is deemed necessary for BAKER to make an evaluation to determine whether the transmission assembly or transmission kit or accessory is defective, the entire transmission assembly, whether originally purchased as an assembly or kit, must be properly packaged and returned prepaid to BAKER with a copy of the original purchase invoice. If after evaluation by BAKER a defect in materials and/or workmanship is found, BAKER will, at their option, repair or replace the defective part of the assembly.

RETURNS AND EXCHANGES

Any merchandise returned for any reason (exchange, credit or modification) must be accompanied by a Return Goods Authorization (RGA) number or it will be refused. Call BAKER to obtain this number prior to returning goods for any reason. There is a 15% re-stocking fee for all returned items.

BAKER is not liable for any shipping.

ADDITIONAL WARRANTY PROVISIONS

NOTE: Limited warranty does not cover labor or other costs or expenses incidental to the repair and or replacement of BAKER products.

This warranty does not apply if one or more of the following situations is judged by BAKER to be relevant: BAKER OEM transmissions ; (these are subject to the OEM manufacturers warranty only), Improper installation , accident, modification (including but not limited to use of unauthorized parts, transmission oils or lubricants), racing, high performance application, mishandling, misapplication, neglect (including but not limited to improper maintenance), or improper repair.

BAKER shall not be liable for any consequential or incidental damages arising out of or in connection with a BAKER transmission assembly, transmission kit, component or part. Consequential damages shall include without limitation, loss of use, income or profit, or losses sustained as the result of injury (including death) to any person or loss of or damage to property.

BAKER transmissions, transmission kits and accessories are designed exclusively for use in American V-Twin motorcycles. BAKER shall have no warranty or liability obligation if BAKER parts are used in any other application.

If it is determined that a BAKER product has been disassembled during the warranty period for any reason, this limited warranty will no longer apply unless you were instructed to do so by a BAKER Drivetrain technician for diagnostic purposes.

RECALIBRATION BOX INSTRUCTIONS

The words Harleys, Harley, and H-D are registered trademarks and are for reference only. Use of H-D model designations and part numbers are for reference only. BAKER Drivetrain has no association with, and makes no claim against, these words, trademark, trademarks, or companies.

It is the sole responsibility of the user to determine the suitability of this product for his or her use, and the user shall assume all legal, personal injury risk and liability and as well as all other obligations, duties and risks associated therewith.