



Product Recall

To: ALL DEALERS

From: TRACY SAUERBREY – WARRANTY/RECALL DEPARTMENT

Subject: RECALL 08V-356 – Power Cable Routing

Date: February 20, 2009

Enclosed are copies of the customer notification letter and the repair procedure for Recall 08V-356. This recall involves certain MVP-ER model school buses manufactured between June 8, 1995 and February 16, 2001. The defect involves un-fused power cables. These cables were tie-wrapped to a wire-braid engine fuel return hose. Over time these cables may chafe, wearing through the wire loom and eventually through the cable insulation and fuel line covering in an area not easily detectable during normal maintenance without removing tie wraps and opening the wire loom. Un-fused un-switched power cables which wear through and contact the fuel line wire-braid may short circuit. In the event of a short circuit there is a potential for a vehicle fire.

This is a universal notification sent to all dealers. You may or may not have customers in your area affected by this recall. If owners in your area are subject to this recall, we have enclosed a printout listing those customers' names and addresses. If there is not a printout enclosed according to our records there are no units in your area involved. **If you have a printout and any of the units on it are still in your possession it is your responsibility to ensure the recall is performed before the unit is delivered to the customer.**

The remedy will consist of inspection of the cables and repair. The labor allowance is .5 hour for inspection (SRT code 90- 84) and 1 hour for repair. (SRT code 90-85). You will need to order your parts from the Parts Distribution Center. (Kit number 85490099).

Thomas Built Buses has elected to notify all customers directly. Your customers will be contacting you to schedule an appointment for repairs. Reimbursement for parts and labor, (if requested) may be obtained by filing a warranty claim.

If you know of any customers who own or operate a Thomas bus in this recall, whose name and address is NOT listed or is INCORRECTLY listed on the enclosed printout, please promptly notify Thomas Built Buses of that additional information in writing. Thank you for your cooperation and assistance.

Tracy

Enclosures: Customer Letter Repair Procedure Printout (if applicable)



February 27, 2009

Recall 08V-356

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Thomas Built Buses, Inc. has decided that a defect which relates to motor vehicle safety exists on certain MVP-ER model school buses manufactured between June 8, 1995 and February 16, 2001. These units are identified on the enclosed postcard (Form PSD 304).

The defect involves un-fused power cables. These cables were tie-wrapped to a wire-braid engine fuel return hose. Over time these cables may chafe, wearing through the wire loom and eventually through the cable insulation and fuel line covering in an area not easily detectable during normal maintenance without removing tie wraps and opening the wire loom. Un-fused un-switched power cables which wear through and contact the fuel line wire-braid may short circuit. In the event of a short circuit there is a potential for a vehicle fire.

You should immediately contact your Thomas Built Buses dealer for an appointment to have your vehicle modified. Thomas will remedy this defect without charge. The remedy will consist of inspection of the cables and repair. It will take approximately .5 hours for inspection and 1 hour for repair. To arrange for repairs, contact your local Thomas Built Buses dealer. After the repair is made, please complete each postage paid card separately and return it to Thomas Built Buses to verify completion.

In addition to being used to verify repair completion, the postcard must be completed and returned if the vehicle does not need repair, if you no longer own the vehicle, or the vehicle identified on the postcard has been exported, stolen, or destroyed/totaled. Federal law requires that any vehicle lessor receiving the recall notice must forward a copy of this notice to the lessee within 10 days.

If you have had your vehicle repaired due to this defect prior to receipt of this notice and you have incurred any costs, you may be eligible for reimbursement. For further information, please contact the Customer Support office at (336) 889-4871, 8 a.m. to 5 p.m. eastern standard time Monday through Friday. To find a dealer in your area please go to www.thomasbus.com.

If the defect is not remedied without charge and within a reasonable time, which is not longer than 60 days after you tender the vehicle for repair, also please contact the Customer Support Office at (336)-889-4871. You may also submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, S.E., Washington, DC 20590, or phone the Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153) or go to <http://www.safercar.gov>. If your vehicle is involved in the Canadian portion, you may notify the Manager, Recall and Public Compliance, Road and Motor Vehicle Traffic Safety Branch, Transport Canada, Ottawa, Ontario or phone (613)-993-9851.

Sincerely,

Tracy Sauerbrey
Warranty/Recall Department

Enclosure



RECALL #08V-356
INSTRUCTION SHEET #TBB 85490100

Repair Procedure

MODEL: MVP-ER, w/ CAT 3116 & 3126 ENGINES

SUBJECT: POWER CABLE ROUTING

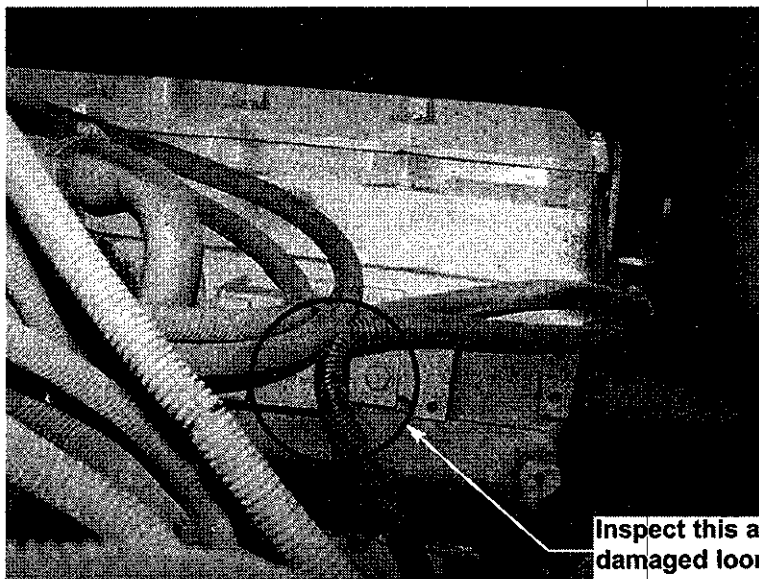
PAGE: 1 OF 4

IMPORTANT: READ ENTIRE PROCEDURE BEFORE BEGINNING.

The affected units have the following options:

| <u>3116</u> | <u>3126</u> |
|-------------|-------------|
| C235502185 | C236003190 |
| C235505215 | C236003210 |
| C235507215 | C236003230 |
| C235504250 | C236003250 |
| C236001190 | C236001190 |
| C236001210 | C236001210 |
| C236001230 | C236001230 |
| C236001250 | CC23601250 |

1. Disconnect battery cables from batteries.
2. To inspect wiring, cut any existing zip ties from electrical box on right side of engine compartment to the alternator, and the relay for intake heater. These are two red 2ga. wires.
3. Inspect wire loom for damage in these areas. **Figure 1**



Inspect this area for damaged loom.

Figure 1

- 3.1 If damage to the wire loom exists, continue to step 4.
- 3.2 If no damage to wire loom exists, skip to step 8.
4. Partially remove existing wire loom at area of contact with fuel line.
5. Inspect wiring to determine extent of damage.
6. If copper wire strands are exposed, clean area using electrical cleaner and a small wire brush. **DO NOT USE BATTERY CLEANERS.**
7. If damage to the copper strands exists, the cable will need to be replaced. Replace the cable, the cable entry seal (#TBB 61200163), and the loom. Refer to materials list (page 4) for cable part number.
8. If no damaged to the copper strands is found, install Dual Tie Wrap, #TBB 61371394 to secure cable and fuel line. **MAKE SURE THEY DO NOT TOUCH. Figure 2**
9. Locate and clean the two M8 bolt holes on the top right side of the valve cover as shown in **Figure 3**. Using brake cleaner and a screwdriver, clean the bolt holes thoroughly of all debris before proceeding.

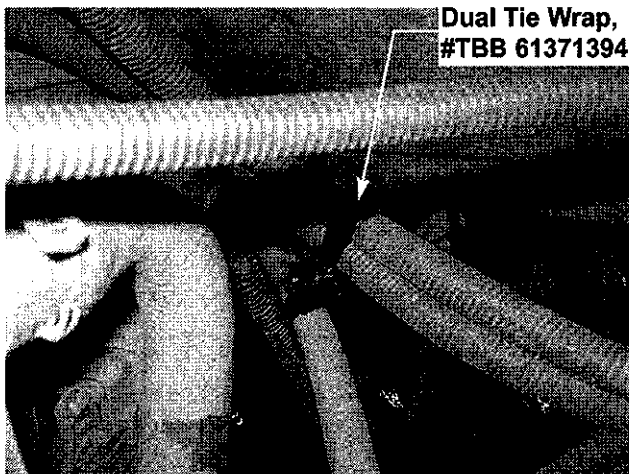


Figure 2

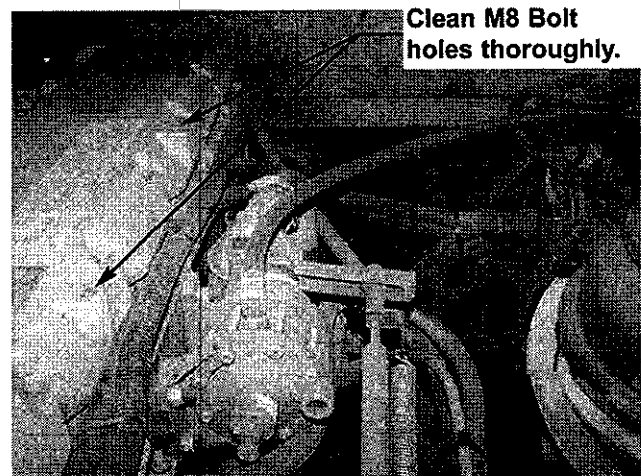


Figure 3

10. Install the two Dual Tie Wraps, #TBB 61371394 and the Stand Off Bracket, #TBB 62360291 with 1/4 Hex Bolt, #TBB 61370805, two Flatwashers, #TBB 61370348, and Locknuts, #TBB 61370078 over both 1ga. wires at area of bolt holes on the top right valve cover and affix clamps to the valve cover using two M8 Bolts, #TBB 61370883 and Lockwashers, #TBB 61370263. **Figures 4, 5, & 6.**
11. If needed for rigidity, install Dual Tie Wraps, #TBB 61371394 at any point where the wires span is greater than 6".
12. Inspect fuel line for damage.
13. Replace fuel line if insulation is worn to the point of exposing the braided metal mesh. Refer to BOM for part number.
14. Reinstall battery cables.

NOTE: ALL PHOTOS ARE FROM THE 3116 ENGINE CONFIGURATION. THE SAME PROCEDURE AND INSPECTION IS NEEDED FOR 3126 ENGINES; HOWEVER, THE PRE-HEATER CIRCUIT, STOPS ON THE RIGHT SIDE OF THE ENGINE, AND, ALSO, MAY NEED TO BE REROUTED TO BE PROPERLY SECURED.

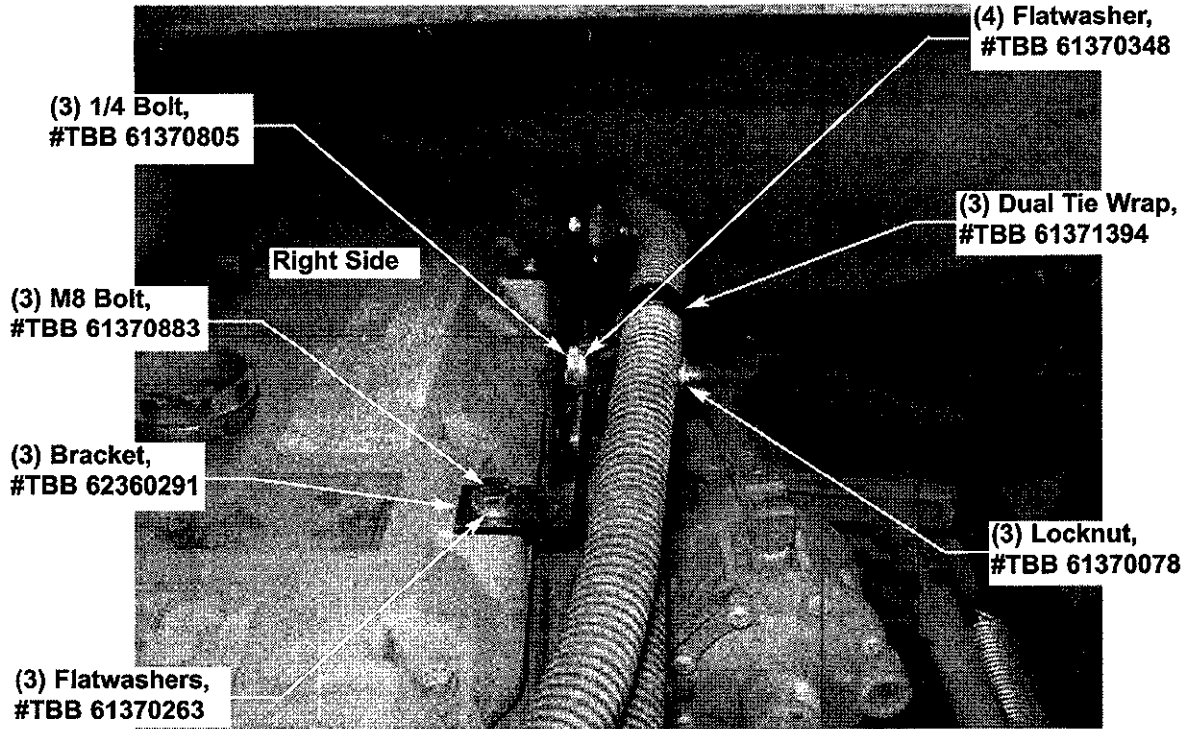


Figure 4

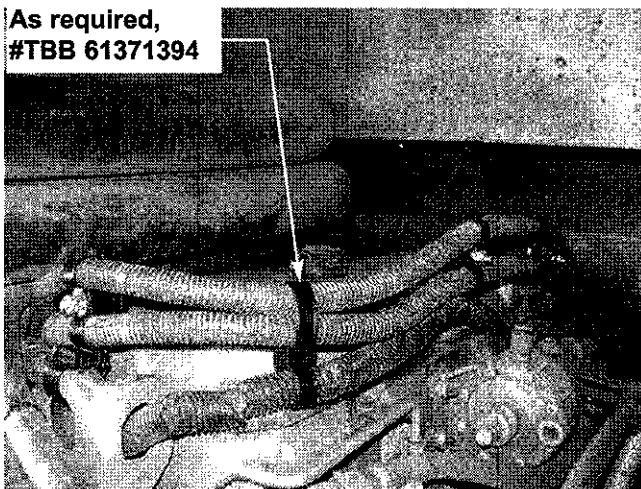


Figure 5

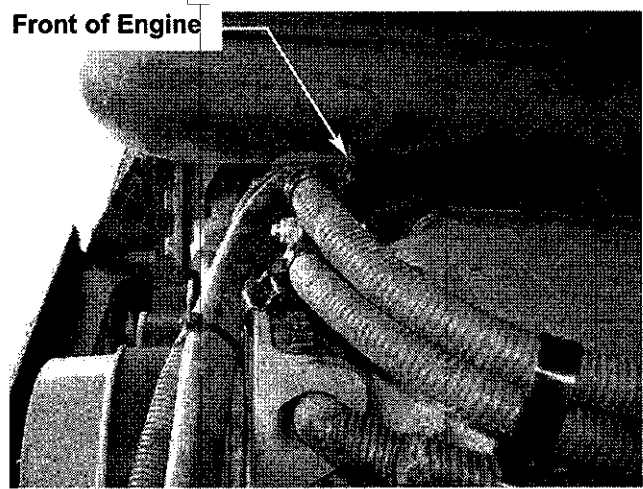


Figure 6

MATERIALS REQUIRED:

Kit #TBB 85490099 for Recall 08V-356, Power Cable Routing

CONSISTING OF:

| <u>PART NUMBER</u> | <u>QTY.</u> | <u>DESCRIPTION</u> |
|---------------------------|--------------------|--|
| TBB 85490100 | 1 | REPAIR PROCEDURE, RECALL #08V-356, POWER CABLE ROUTING |
| TBB 61371394 | 3 | DUAL TIE WRAP |
| TBB 62360291 | 3 | STAND OFF BRACKET |
| TBB 61370883 | 3 | BOLT-HEX HEAD, M8 |
| TBB 61370348 | 6 | FLATWASHER |
| TBB 61370078 | 3 | 1/4 LOCKNUT |
| TBB 61370263 | 3 | LOCKWASHER |
| TBB 61370805 | 3 | BOLT - HEX, 1/4 -20x 1.5 |
| TBB 61200453 | 1 | HEAT SHRINK TUBING |

**THE FOLLOWING POWER CABLES ARE ENGINE SPECIFIC AND MUST BE ORDERED IN ADDITION TO THE KITTED PARTS.
IF THE REPAIRS CANNOT BE PERFORMED, PHOTOS MUST BE PROVIDED FOR WARRANTY PAYMENT.**

ORDER THE FOLLOWING POWER CABLES FOR 3116

| | | |
|------------|---|--|
| TBB 151293 | 1 | POWER CABLE, ALTERNATOR, TO CIRCUIT BREAKER #1 (75) 3116 |
| TBB 151294 | 1 | POWER CABLE, MOD. BOX HOT PWR. STUD #1 TO STARTER POSITIVE (76) 3116 |
| TBB 151295 | 1 | POWER CABLE, INLET AIR HEATER CIRCUIT BREAKER TO INLET AIR HEATER CONTACTOR (248) 3116 |

ORDER THE FOLLOWING POWER CABLES FOR 3126

| | | |
|--------------|---|--|
| TBB 62201881 | 1 | POWER CABLE ALTERNATOR 3126 |
| TBB 62201804 | 1 | POWER CABLE PRE-HEATER 3126 DELCO STARTER |
| TBB 62201708 | 1 | POWER CABLE PRE-HEATER 3126 STANDARD STARTER |