



Service Bulletin No. 339

MODEL D Series Coaches equipped w/ C13 engine & 50DN alternator	TYPE Field Change Program	SECTION/GROUP 7 – Electrical	DATE Nov. 19, 2009
SUBJECT 50DN ALTERNATOR CABLE CHAFING			
CONDITIONS			

Ref. NHTSA Recall No.: 09V–446

Ref. Transport Canada Recall No.: 09–331

Customer Complaint:

Customers may experience alternator cable damage or chafing.

Cause:

Contact with brackets and / or movement within the cable clamps

Corrective Action:

As a result, MCI advises that owners of D model coaches equipped with a C13 engine and a 50DN alternator between the range of, and including, unit numbers 56404–58879 should implement the specified steps in this procedure as soon as possible.

Parts

Qty.	New P/N	Description
1	07-14-4484	Kit, C13 Alternator Cable, Pre–2007 Engine <i>Kit Contents Are:</i>
1	07-03-1172	Support Bracket, Alternator Cable
1	07-09-1495	Cable
3	19-04-0419	Split clamp
6	19-1-376	Capscrew
2	19-2-37	Lockwasher
4	19-3-2	Locknut
1	19-4-46	Clamp, Line Support
1	07-03-1198	Bracket, Clamp
3	19-11-569	Tyrap
1	07-14-4485	Kit, C13 Alternator Cable, 2007 EPA Engine <i>Kit Contents Are:</i>
1	07-03-1172	Support Bracket, Alternator Cable
1	07-09-1495	Cable
3	19-04-0419	Split clamp
6	19-1-376	Capscrew
2	19-2-37	Lockwasher
4	19-3-2	Locknut
1	19-4-46	Clamp, Line Support

Service Procedure:

General notes

Read this entire procedure before beginning work.

Use Safe Shop Practices At All Times.

NOTICE

For coaches equipped with the Pre-2007 C13 engine configuration, upon completion of this retrofit, the alternator cable will now be routed from the alternator DC stud to the power terminal stud on the curbside engine rail.

1. Turn the main battery disconnect switch to the OFF position. Chock both sides of the tires.
2. Open the engine compartment and curbside, rear side service compartment doors.
3. Locate the 50DN alternator. Disconnect the alternator cable from the 50DN alternator.
4. Remove and discard the alternator cable support bracket. Retain the mounting bolts.
5. Locate the cable terminal stud on the forward wall of the curbside, rear side service compartment (refer to Figure 1 or Figure 2). Remove and retain the nut. Remove the alternator cable from the cable terminal stud.

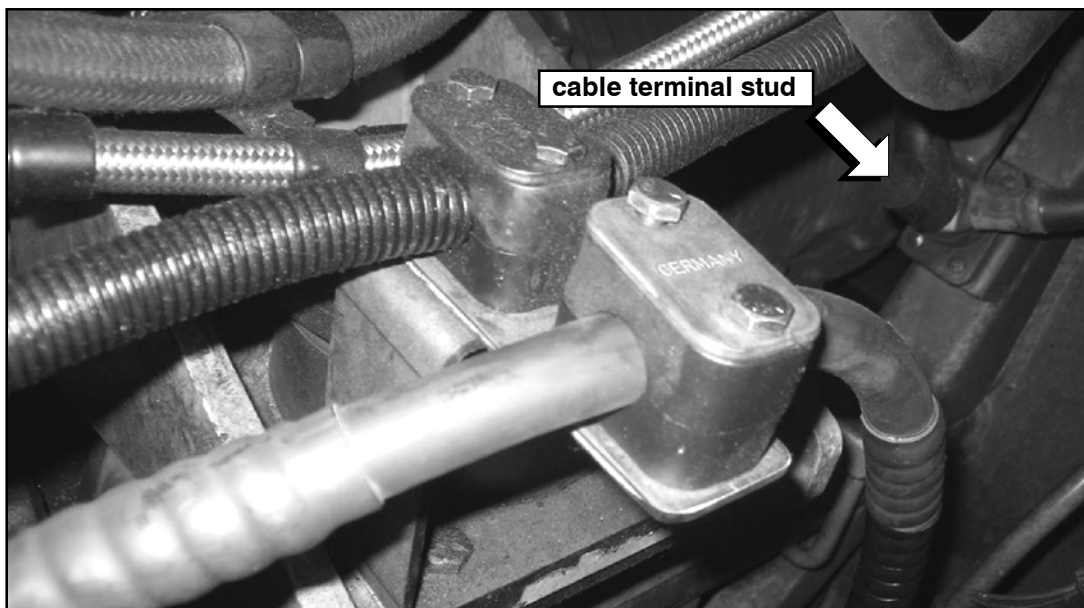


Figure 1. Pre-2007 C13 engine configuration.

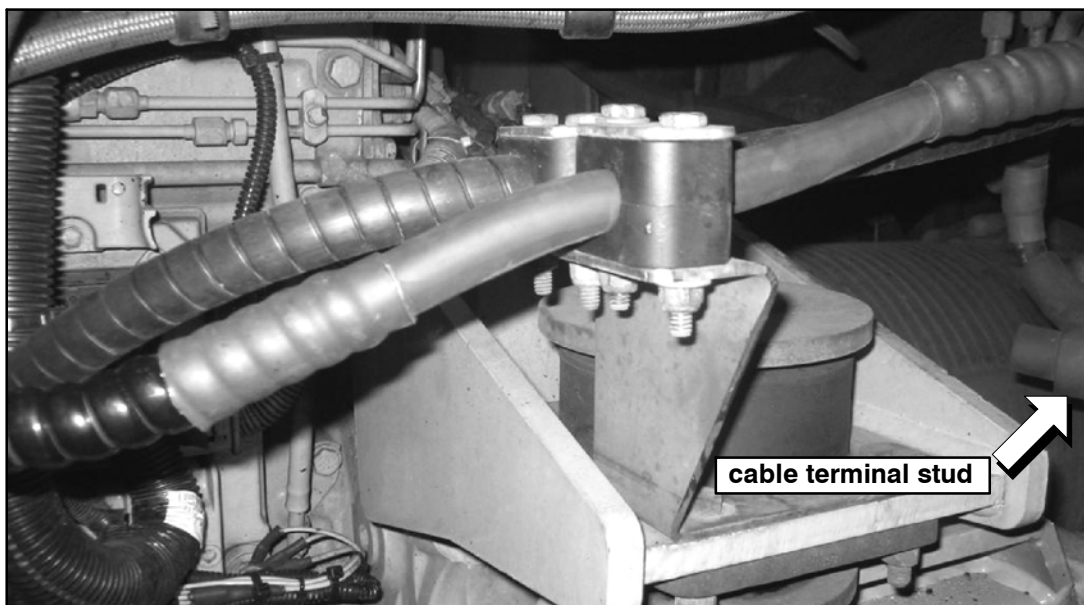


Figure 2. 2007 EPA C13 engine configuration.

6. Follow the routing of the alternator cable along the curbside of the C13 engine. Release alternator cable from existing split clamps (refer to Figure 3 or Figure 4). Remove and discard the alternator cable.

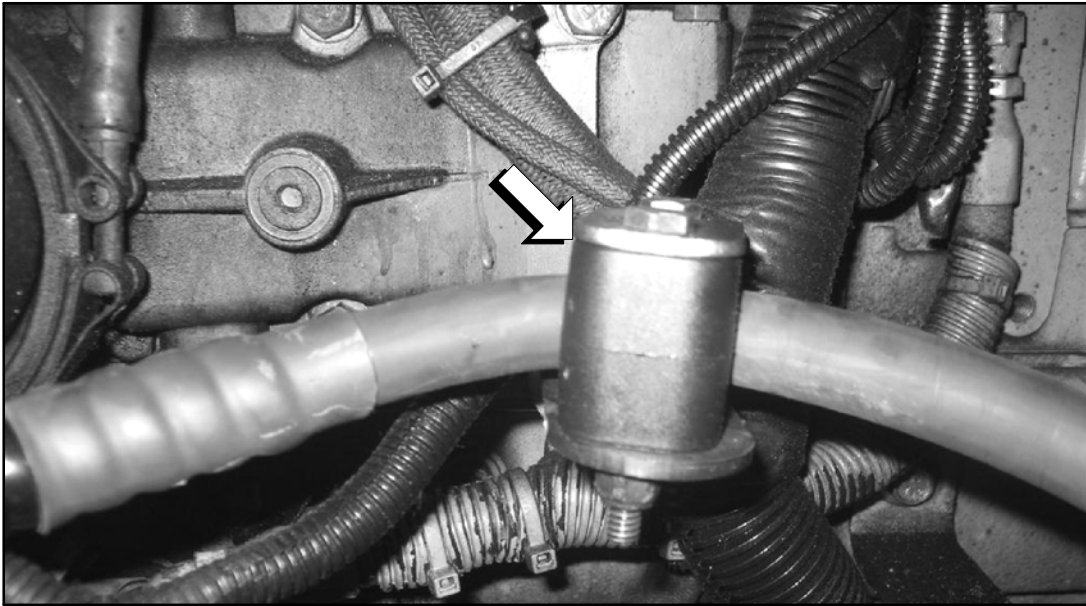


Figure 3. Pre-2007 C13 engine configuration.

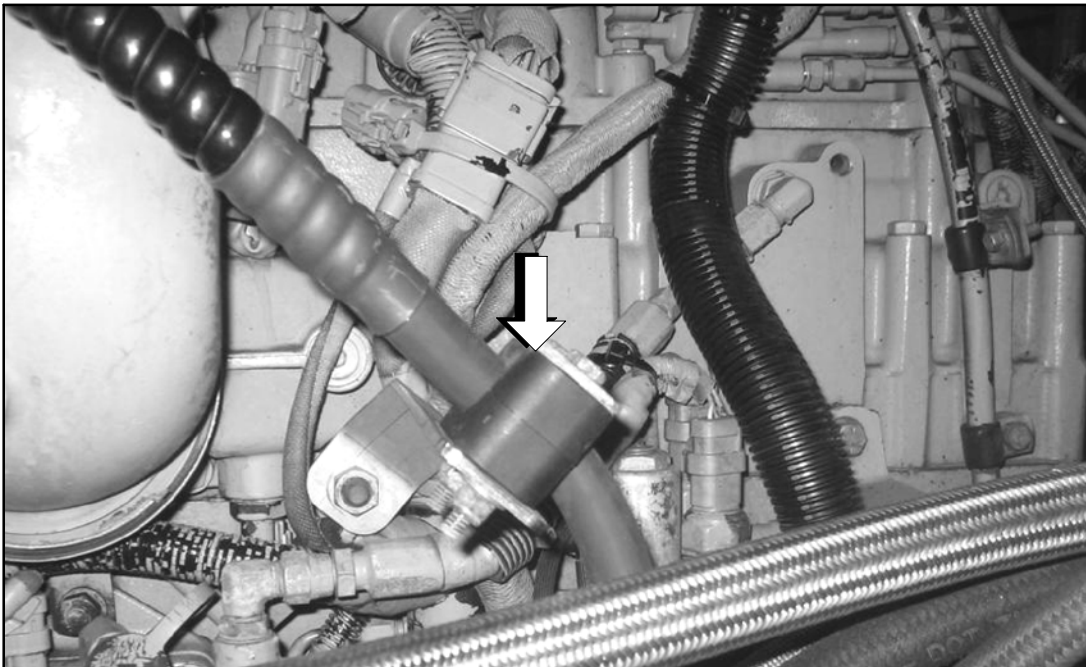


Figure 4. 2007 EPA C13 engine configuration.

- Using the mounting bolts removed in Step 4, install the new alternator cable support bracket, p/n 07-03-1172. Torque alternator bracket to 50 to 60 in.-lbs.
- Using capscrew, p/n 19-1-376, lock washer, p/n 19-2-37 and the existing plate at the top of the split clamp, secure the cable, p/n 07-09-1495, in the new split clamp, p/n 19-04-0419. Torque capscrews to 9 ft. lbs.

! WARNING

Torque alternator DC output stud nut to 30 – 35 ft. lbs.

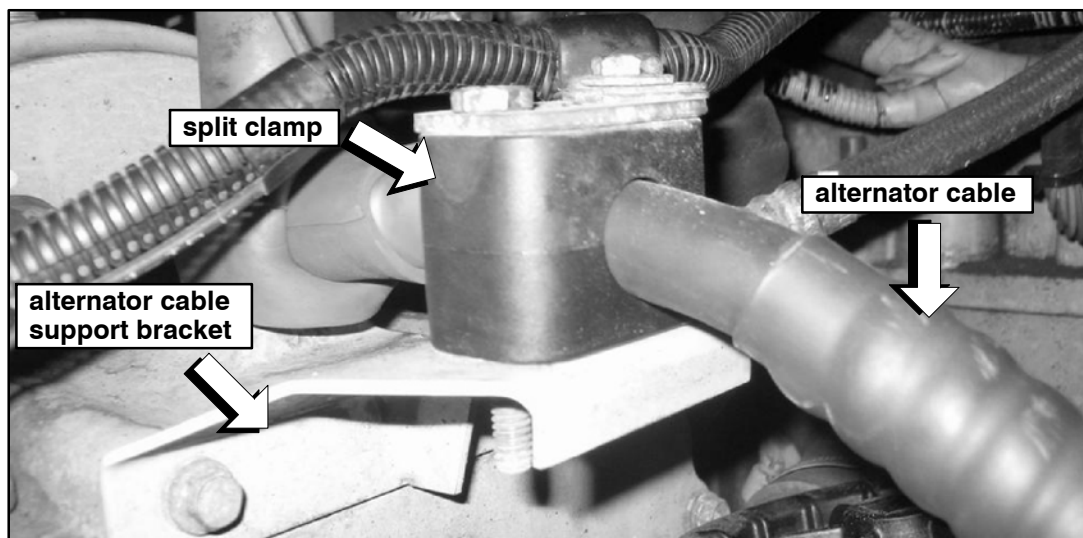


Figure 5. Reference photo.

! WARNING

Ensure alternator cable does not touch any stainless steel braided or fabric covered lines.

- Remove the existing split clamps with new split clamp, p/n 19-04-0419 (refer to Figure 3 or Figure 4). Use existing capscrew 19-1-376 and lock nut 19-3-2 to secure alternator cable. Torque to 9 ft. lbs.
- Remove and discard existing P clamp on alternator cable (refer to Figure 6). Use existing hardware, install new P clamp, p/n 19-4-26.

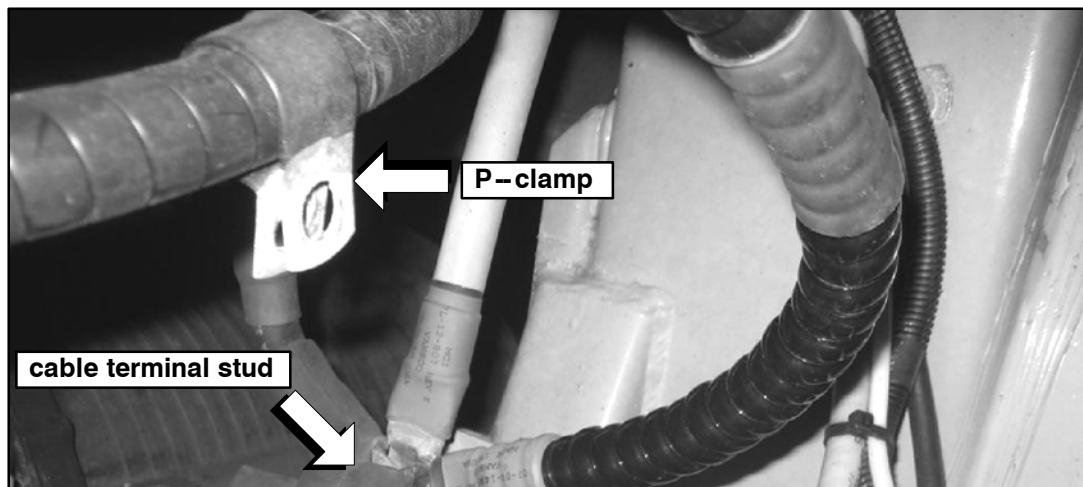


Figure 6.

! WARNING

Failure to return the starter and alternator cables on the cable terminal stud and properly torque the nut will result in arcing of the energized cables.

11. Place the alternator cable on the cable terminal stud. Secure on the cable terminal stud using nut removed in Step 5. Torque to 20 to 25 ft. lbs.

CAUTION

For coaches equipped with the Pre-2007 C13 engine configuration, use tyraps, p/n 19-11-569, to secure existing field wire split loom to the alternator cable (refer to Figure 7).

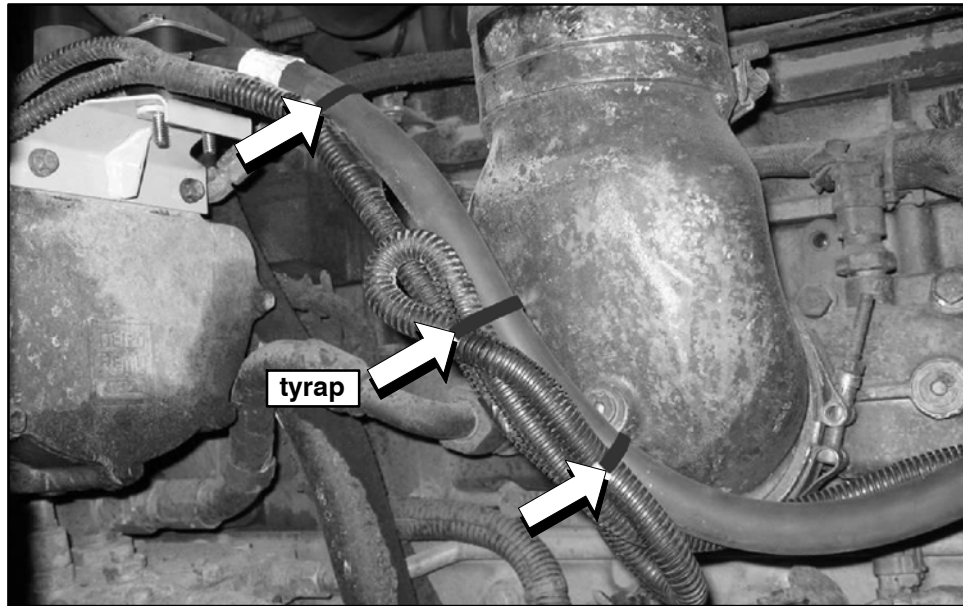


Figure 7. Pre-2007 C13 engine configuration.

12. Close the engine compartment and curbside, rear side service compartment doors
Procedure complete.

Mail or fax the completed warranty claim form to MCI's warranty department, or photocopy and mail it to:

MCI Fleet Support
Attn: Warranty Department
7001 Universal Coach Drive
Louisville, KY 40258
Fax Number 1-800-360-8886

to receive credit for the hours used to complete this task. Contact the MCI Fleet Support Technical Center at 1-800-241-2947 for any further information.

Field Change Program Conditions:

The parts required for this change will be supplied without charge.

A labor allowance of 0.8 hours will be granted, for the procedure of installing the specified part(s) in this bulletin on D model coaches equipped with a C13 engine and a 50DN alternator.

This labor allowance will be credited to your MCI Fleet Support Parts Account on receipt of a "Warranty Claim Form" as detailed in your Owner Warranty manual.

Motor Coach apologizes for any inconvenience resulting from this campaign, but urges you to implement this change as soon as possible.

Sincerely,

Motor Coach Industries
U.S. and Canadian Service Departments.