

ADDRESSEES	: Owners and operators ABC Customer Care and Parts Source
VEHICLE MODEL	: CX45 and TX45 with DD13 EPA16 engine
MANUAL SECTION	: 14.10 Electricity – wiring
BULLETIN TYPE	: Field Change Program
DATE	: February 18th, 2019
SUBJECT	: To change and reroute alternator ground cables
TERMS & CONDITIONS	: Refer to the warranty section further in this Bulletin.

APPLICATION:

The Field Change Program, subject of this bulletin, is applicable to vehicles of the below mentioned models:

CX45 with DD13 EPA16 engine
TX45 with DD13 EPA16 engine

DESCRIPTION:

It has been reported that the ground cables of both Prestolite AC172 alternators are too close to the exhaust pipe and turbocharger (refer to 1-Figure 1). The ground cables insulation might suffer damage due to excessive heat.

This Service Bulletin gives step-by-step instructions to change the alternator ground cables and reroute them under the crankcase breather unit (refer to routing 2-Figure 1).

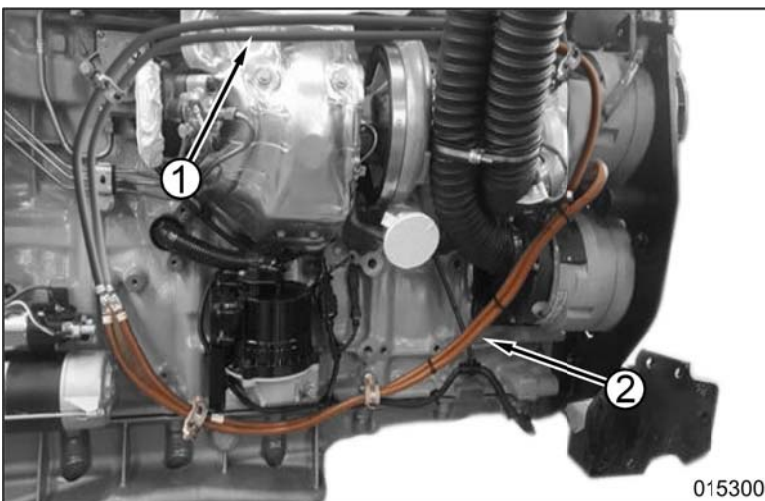
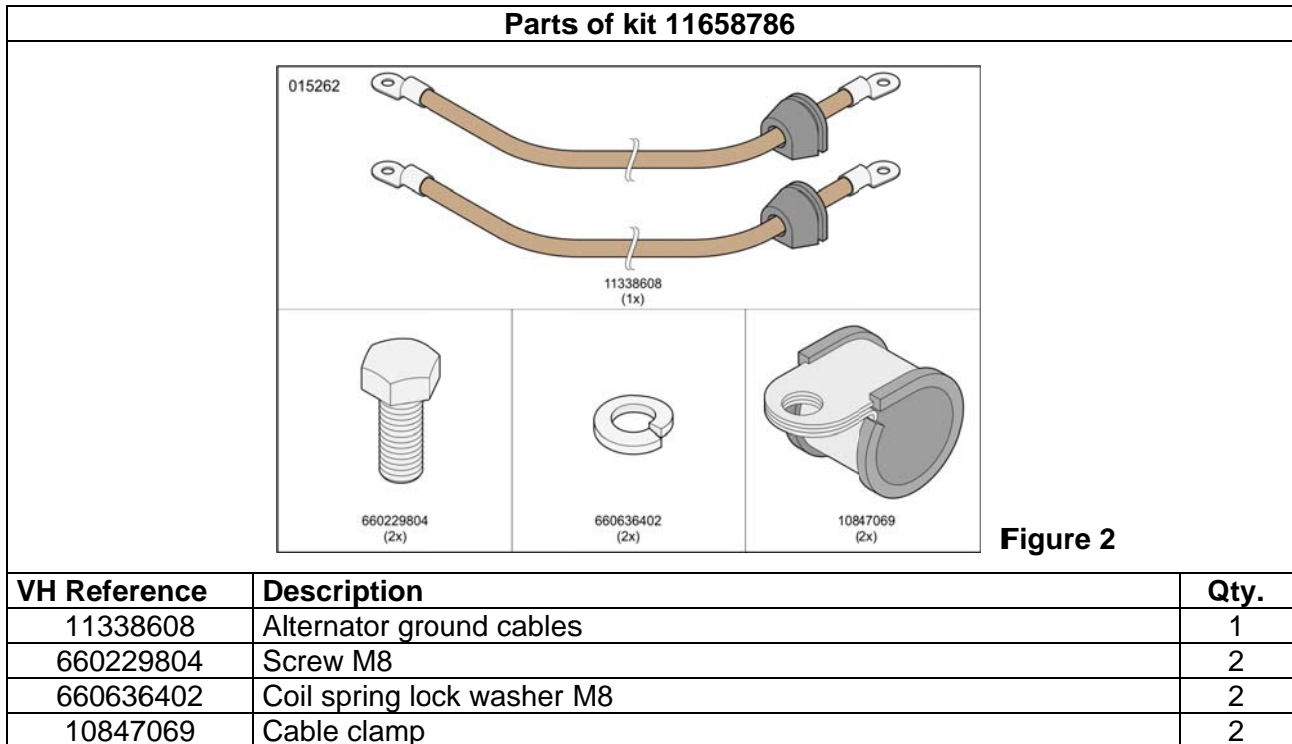


Figure 1: Routing of alternator ground cables

- 1. Previous routing (= not OK)
- 2. New routing (=OK)

Continued on next page.

COMPONENTS AND PRODUCTS:



JOB REQUIREMENTS:

Job technician’s qualifications/experience: electricity.

SPECIAL TOOLS, EQUIPMENT OR SERVICES:

No special tools or equipment or services required.

PREPARATIONS:

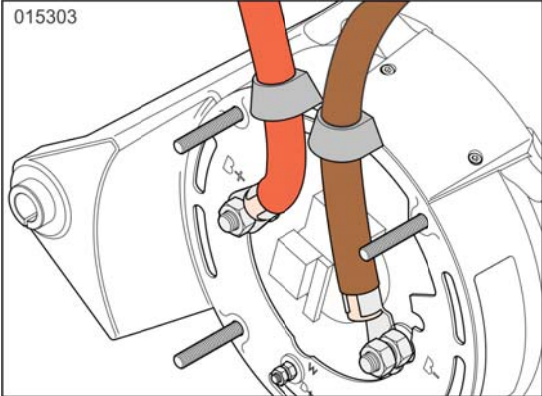
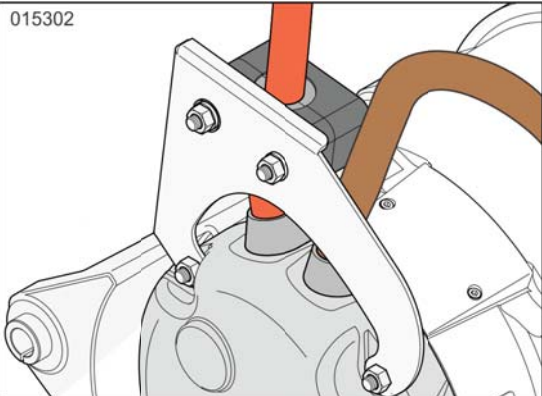
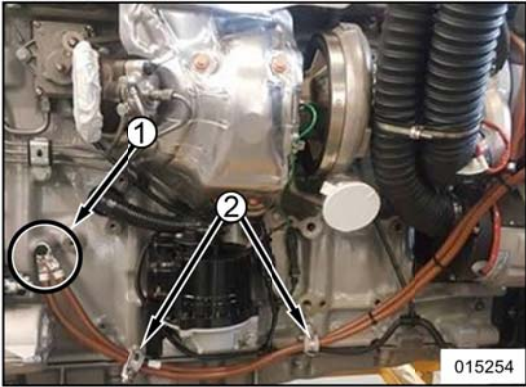
- Park the coach on a level-surfaced service pit.
- Apply the parking brake and shut down the engine.
- Switch off all systems and turn off the battery master switch.
- Turn off the mechanical battery switch.
- Put a “DO NOT OPERATE” tag on the instrument panel.
- **Read the entire procedure before beginning to work.**




WARNING!

Observe safe shop practices at all times.

Continued on next page.

<p>4</p>	<p>Change the ground cables of both alternators. Route the new ground cables so that they will pass afterwards through the hole of the protective cover. Re-tighten the terminal nut of the ground cables to a torque of 6.6 to 9.6 ft.lbf (9 to 13 Nm) (figure 7 shows upper alternator).</p>  <p style="text-align: right;">Figure 7</p>
<p>5</p>	<p>Re-install the protective cover of the lower alternator. Verify that the rubber grommets for the cables are in place. Secure the nuts.</p>
<p>6</p>	<p>Re-install the protective cover of the upper alternator. Verify that the rubber grommets for the cables are in place. Install the positive cable bracket and secure the cable clamp to the bracket. Secure the nuts.</p>  <p style="text-align: right;">Figure 8</p>
<p>7</p>	<p>Reconnect the air hose at the rear of both alternators.</p>
<p>8</p>	<p>Reroute both new alternator ground cables under the crankcase breather unit and secure them twice by using the screws, coil spring lock washers and cable clamps from the kit (refer to 2, figure 9). Secure the ground cable of both alternators to the engine block (1, figure 9). Tightening torque of ground cable screw: 16 ft.lbf (21 Nm).</p>  <p style="text-align: right;">Figure 9</p>

Continued on next page.

<p>9</p>	<p>Re-install the rubber elbow at the turbocharger ad follows:</p> <p>a. Degrease the contact surfaces at both sides of the rubber elbow, the turbocharger inlet and air-intake pipe with Loctite 7063 or similar product.</p> <div style="text-align: center;">  <p>CAUTION!</p> <p>Do not use any lubricant to ease installation!</p> </div> <p>b. Push the rubber elbow with a hose clamp installed but not tightened onto the air-intake piping. Push the other side of the elbow with the other hose installed but not tightened onto the turbocharger inlet. Check for a minimum clearance of 1 cm (0.4 inch) between air intake piping and other components of the engine compartment. If necessary, rotate the rubber elbow. Tighten the clamps to a torque of 5 ± 0.5 Nm (3.7 ± 0.4 ft.lbf) by using a torque wrench.</p>
<p>10</p>	<p>Re-install the side access panel.</p>
<p>11</p>	<p>Retighten the hose clamps of the rubber elbow after 2,500 km (1,600 miles) by using a torque wrench.</p>
<p>12</p>	<p>Notify ABC Companies by mail. Write the text "SB1577 executed for VIN....." in the mail and send the mail to warranty@abc-companies.com.</p>
<p>13</p>	<p>For ABC Companies only: register through the registration button located behind the Service Bulletin on the Van Hool customer portal. Write the text "SB1577 executed" in the field "Remark". Labor allowance will only be awarded after Van Hool has received the registration.</p>

End of procedure

WARRANTY:

1. Conditions

Van Hool accepts claims for this conversion as follows:

- **Compensation for labor hours:** 4 hours
- **Campaign target date:** Service Bulletin issue date + 0,5 year

2. Claim references:

- **Job code:** O61577V
- **Causal part:** 11338608
- **Claim submission:** Contact ABC Customer Care Warranty Department for guidance.
- **Monitoring and performance:** The claim records pertaining to this Bulletin will be used to determine that the remedy has been executed in accordance with the manufacturer's instructions and to evaluate the status of this Field Change Program.

Continued on next page.

DISCLAIMER:

The procedures contained herein are not exclusive. Van Hool cannot possibly know, evaluate, or advise the transportation industry of all conceivable ways in which a procedure may be undertaken or of the possible consequences of each such procedure. Other procedures may be as good, or better, depending upon the particular circumstances involved. Each carrier who uses the procedures herein must first satisfy itself thoroughly that neither the safety of its employees or agents, nor the safety or usefulness of any products, will be jeopardized by any procedure selected.

INFORMATION HANDLING:

Important additions and modifications regarding technical information not yet included in the manual will be communicated through Service Bulletin.

VAN HOOL CUSTOMER PORTAL:

Consult the customer portal regularly for the latest service documentation. Beside the maintenance manual, you will also find the operating manual and the spare parts catalogue of your vehicle on the customer portal. The customer portal is accessible through www.vanhool.be, and only with a code (password) from Van Hool. If you do not have a password yet, request it by using the link on the Van Hool website.