



Doosan Infracore
Portable Power

Service Letter

Field Modification

Safety Notice

SL: 30006
Date: 15 February 2012
Product: Generators
Subject: Main Power Cables Inspection (Y05A) / Repair (Y05B)

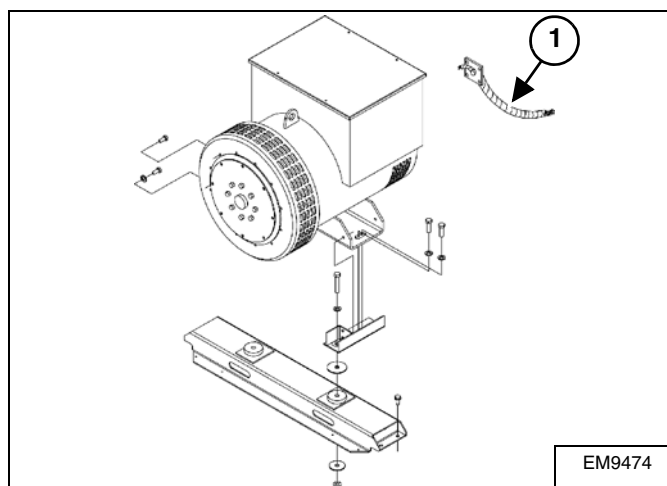
PROCEDURE & WARRANTY GUIDELINES	
Repair Priority	Mandatory - Class AA
Parts Required	No
Parts Return	No
Parts Credit	Yes - Locally sourced heat shrink isolation cost in case of cable damage found
Labor Credit	Y05A: Yes - Thirty (30) minutes Y05B: Yes - One (1) hour
Travel Credit	Yes - Two (2) hours for retailed machines
Causal Part Number	Alternator Wire Assembly
Warranty Code	Y05A / Y05B
DVP Application	Yes

MODEL	SERIAL NUMBER
G160	G1600116 G1600127 thru G1600128 G1600131 thru G1600204
G200	G2000115 thru G2000117 G2000120 thru G2000160
G250	G2500117 thru G2500119 G2500122 thru G2500123 G2500127 thru G2500177
G400	G4000111 G4000116 thru G4000119 G4000121 thru G4000136
G500	G5000122 G5000125 thru G5000144

Doosan Benelux SA asks its dealers to **immediately** contact all owners of affected machines and make arrangements for this modification and to correct all affected machines in your dealer inventory prior to delivery.

This letter provides details for removing the potential safety concern on the affected machines.

Figure 1



[Figure 1] Doosan Benelux SA has determined that the routing of the main power cables (Item 1) between the alternator box wiring terminals and the circuit breaker may not meet engineering specifications for the generators listed in this letter. Improperly routed main power cables may rub against metal side plates or sharp edges along the way to the main circuit breaker causing a wear of the external insulation layer.

Safety Concern

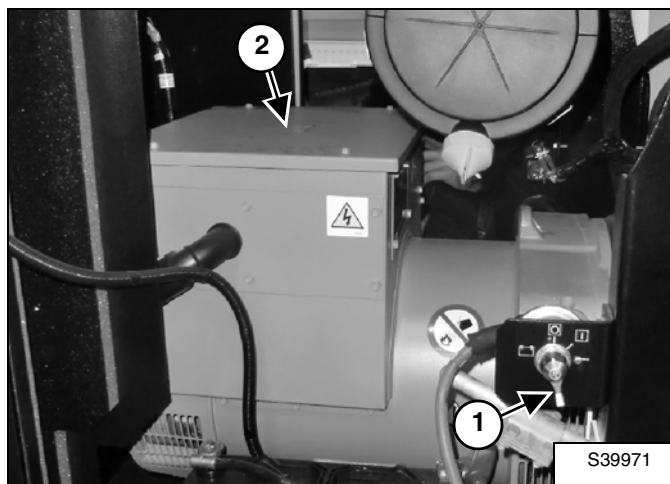
If the main power cable insulation becomes worn off and the exposed copper wire contacts a metal surface, an electrical short may occur. An electrical short may lead to an electric shock hazard and fire resulting in **serious injury or death or property damage.**

Doosan Benelux SA **has not** received any reports of operator or bystander injury or property damage by this potential condition. However, **Doosan Benelux SA asks that all affected generators not be operated, rented or demonstrated until inspected, and if necessary corrected.**

Procedure

Inspection (Y05A)

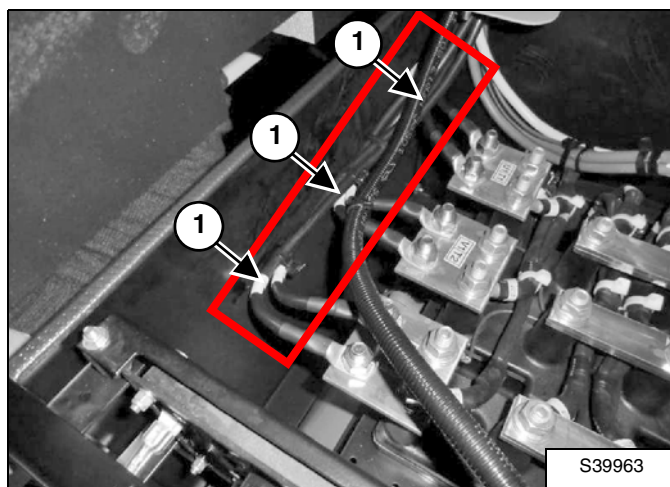
Figure 2



Before any intervention on the machine, stop the engine and place the battery switch (Item 1) [Figure 2] on position "0".

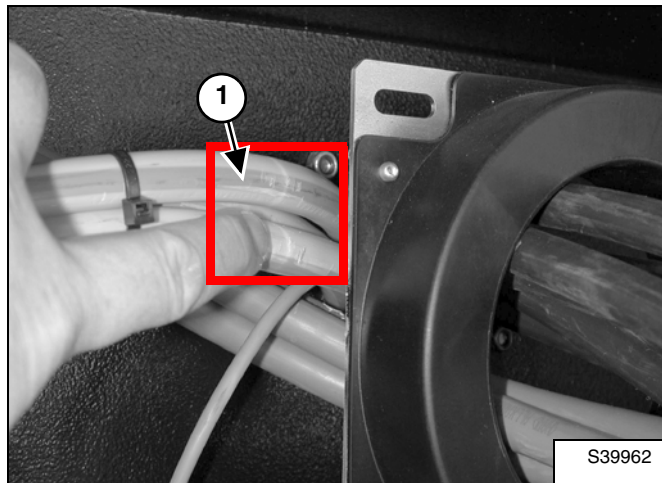
Open the alternator terminals box cover (Item 2) [Figure 2].

Figure 3



Check the routing of each main power cable (Item 1) [Figure 3] and [Figure 4] and ensure it cannot rub against the side plates, nor any metallic part or edge.

Figure 4



If the main power cables are not touching any metallic part or edge and do not show any sign of cable insulation damage: **no action required.**

Repair (Y05B)

There are two possible situations:

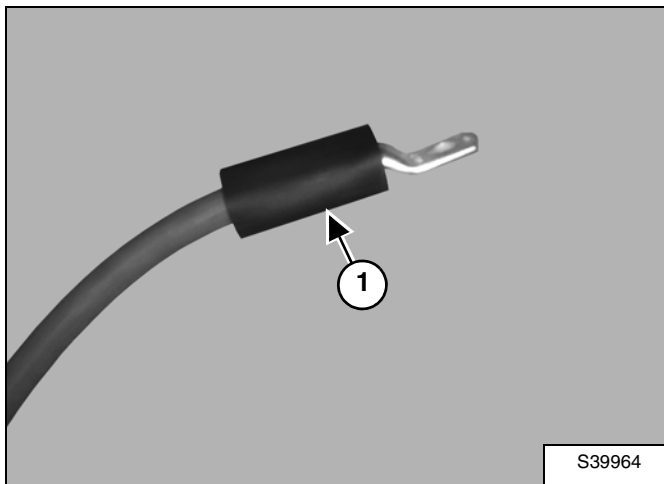
- If the main power cables are touching the terminals box sides or any metallic part or edge, but are not showing any sign of cable insulation damage: **ensure a proper cable routing to avoid any potential contact.**
- If the main power cables are showing any sign of cable insulation damage: **install heat shrink isolation around the affected cable (see repair procedure below). Then re-install the cables ensuring a proper cable routing to avoid any potential contact.**

In case of a damaged cable insulation is found, please inform the Service Department at Waterloo (service.waterloo@doosan.com or fax +32 2 371 69 15) about the affected machine serial number, including a picture of the damaged area.

Repair Procedure

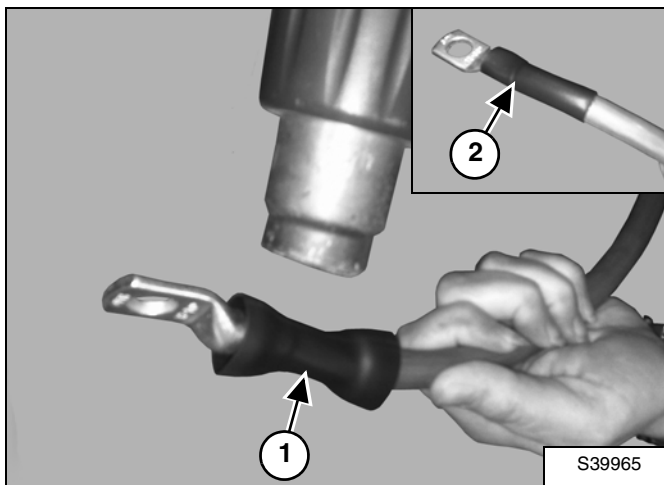
Obtain locally heat shrink isolation with glue inside for the quantity of affected alternator main power cables. It is recommended that the size of the heat shrink isolation is three times bigger diameter than the main power cable diameter.

Figure 5



Install the heat shrink isolation with glue inside (Item 1) [Figure 5] around the damaged cable.

Figure 6



Heat the isolation (Item 1) to shrink it. Make sure the isolation is fitted tightly (Item 2) [Figure 6] around the cable.

A copy of this letter will be sent again to all affected dealers along with a second service letter providing details about the final repair, ***when Doosan Benelux SA has adequate supply of final repair kits for all customers.***