



Portable Power

Service Letter

Field Modification

Safety Notice

SL: 30010
Date: 7 January 2013
Product: Generators
Subject: Lifting Bail Inspection (Y09A) / Replacement (Y09B)

PROCEDURE & WARRANTY GUIDELINES	
Repair Priority	Y09A: Mandatory - Class AA Y09B: Optional - Class B
Parts Required	Y09A: No Y09B: Yes - order parts through DoosanShop
Parts Return	Y09A: No Y09B: Yes - please return replaced part to Puurs through "Warranty Parts Return Form"
Parts Credit	Y09A: No Y09B: Yes
Labor Credit	Y09A: Yes - Thirty (30) minutes Y09B: Yes - Four (4) hours
Travel Credit	Y09A & Y09B: Yes - Two (2) hours for retailed machines
Causal Part Number	333009A / 333009B
Warranty Code	Y09A / Y09B
DVP Application	Y09A: Yes Y09B: No

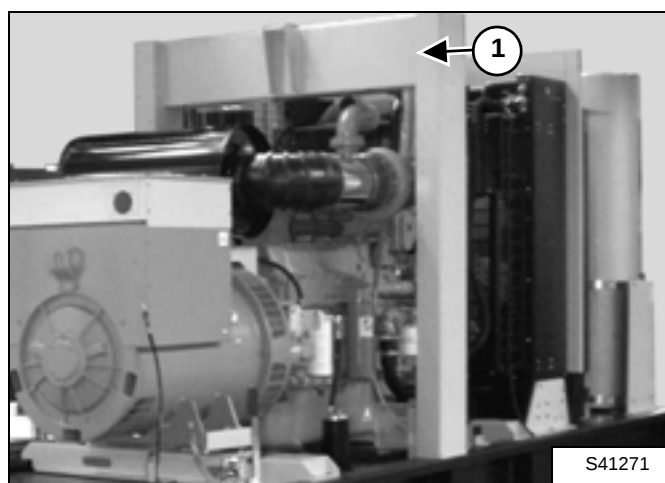
MODEL	SERIAL NUMBER
G250, G400, G500	See page 6.

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

This letter provides details for a proper inspection of the potential safety concern on the affected machines.

[Figure 1] Doosan Benelux SA has determined that the welds on the lifting bail (Item 1) of the generators listed in this letter may not meet engineering specifications, possibly resulting in a partial weld fracture and allowing corrosion to cause further damage.

Figure 1



Safety Concern

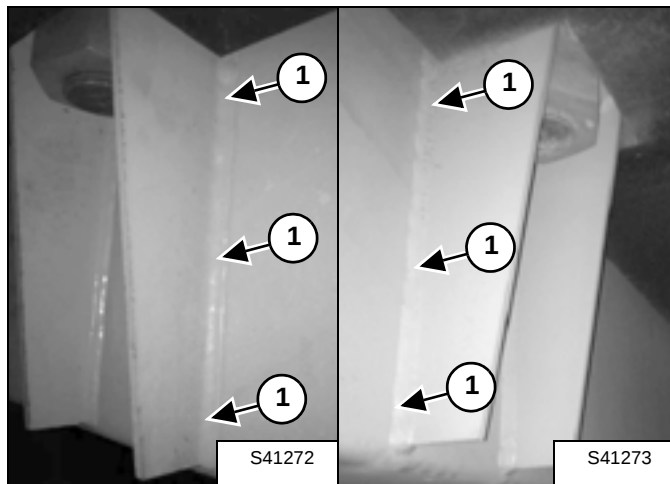
This condition could cause the generator to detach from a lifting device when being lifted by the lifting bail, potentially resulting in **serious injury or death or property damage.**

Doosan Benelux SA **has not** received any reports of operator or bystander injury or property damage by this potential condition. If the generator absolutely needs to be lifted prior to correction, make sure all bystanders are kept away from the area around the lifted machine. Do not lift the generator higher than absolutely necessary for loading / unloading purpose. Do not position the generator over any structure or person while lifting. Lift the generator as gently as possible to avoid increased stress on the lifting bail.

Y09A: Lifting Bail Inspection

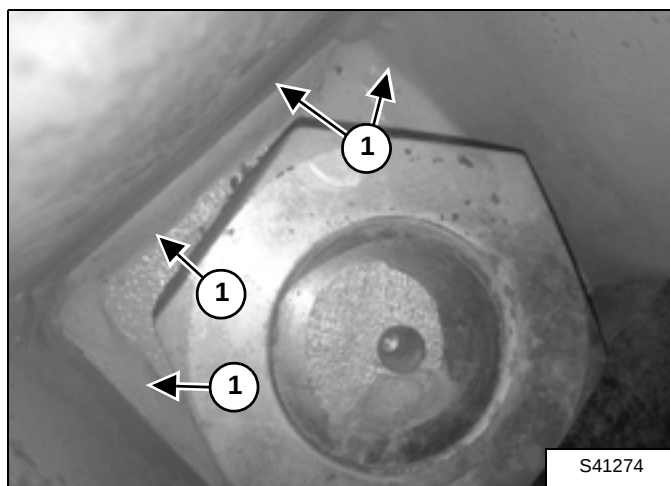
Procedure

Figure 2



Inspect the lifting bail from the inside of the machine using a flashlight. Inspect the outside as well as the inside welds (Item 1) [Figure 2].

Figure 3



Inspect the welds (Item 1) [Figure 3] around the lifting eye nut.

Clearly identify the welds state:

- No surface rust
- Penetrative rust (penetration of the parent material)
- Cracks around the weld

Take pictures of all above mentioned weld positions in high quality (minimum 5 mega pixels) with sufficient lighting.

Also photograph the serial number of the generator and attach all pictures in your report back to Doosan Benelux SA, to attention of the service department:

E-mail: service.waterloo@doosan.com

Fax: +32 2 371 69 15

In case the lifting bail shows any of the following signs, perform "Y09B: Lifting Bail Replacement" on page 2 to replace the lifting bail:

- Penetrative rust (penetration of the parent material)
- Cracks around the weld
- Permanent deformation of any part of the lifting bail

Y09B: Lifting Bail Replacement

Parts

QTY	P/N	DESCRIPTION
1	333009A	Lifting Bail Kit G250
1	333009B	Lifting Bail Kit G400-G500

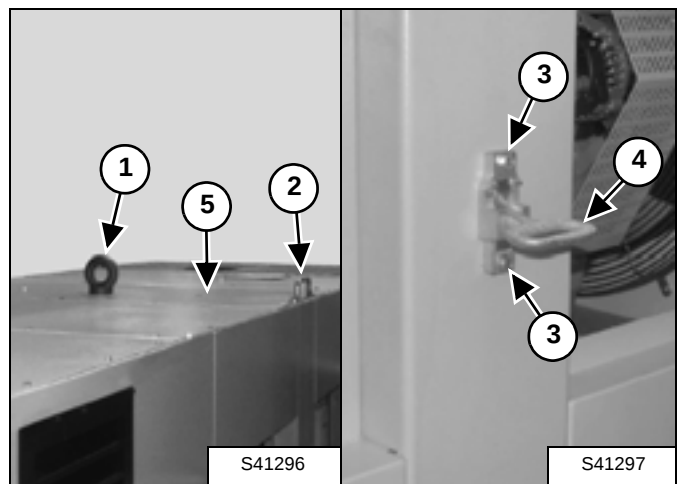
The above parts need to be ordered through DoosanShop.

Procedure

For Model G250 Generators

Open all canopy doors.

Figure 4



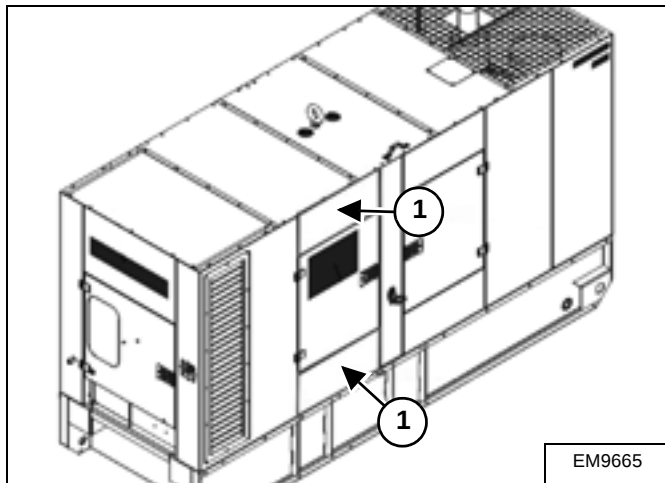
Remove the nut (inside the canopy) and remove the lifting eye (Item 1) [Figure 4].

Remove the bolts and nuts and remove the roof handle (Item 2) [Figure 4].

Remove the two bolts (Item 3) and remove the side step (Item 4) [Figure 4].

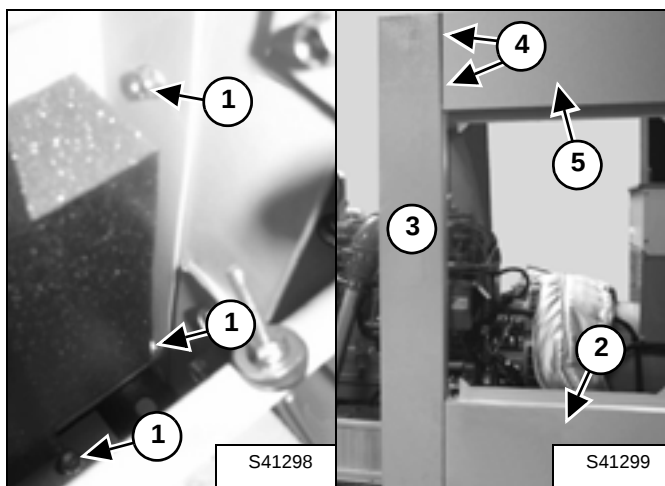
Remove the bolts and remove the middle roof panel (Item 5) [Figure 4].

Figure 5



Remove the upper and lower panels (Item 1) **[Figure 5]** (both sides) on the power pedestal side of the lifting bail.

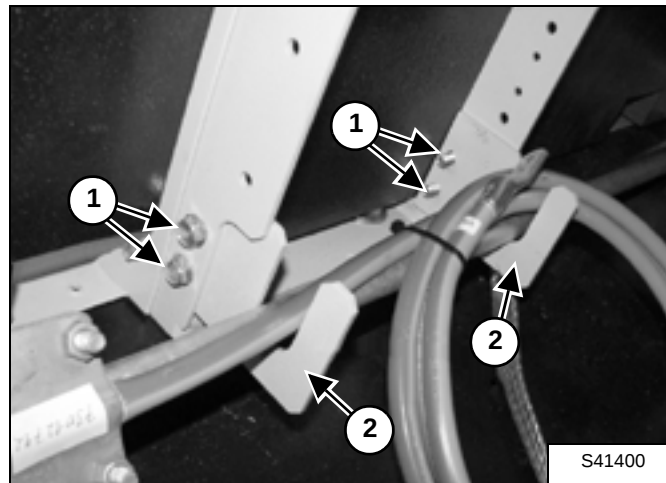
Figure 6



Remove the bolts (Item 1) to detach the lower panel (Item 2) (both sides) from the lifting bail (Item 3) **[Figure 6]**.

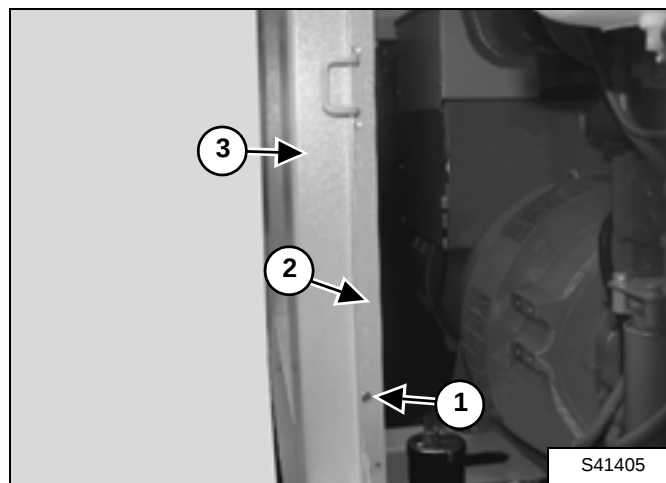
Remove the two bolts on the position (Item 4) to detach the upper panel (Item 5) (both sides) from the lifting bail (Item 3) **[Figure 6]**.

Figure 7



Remove the four bolts (Item 1) and remove the earth rod supports (Item 2) **[Figure 7]**.

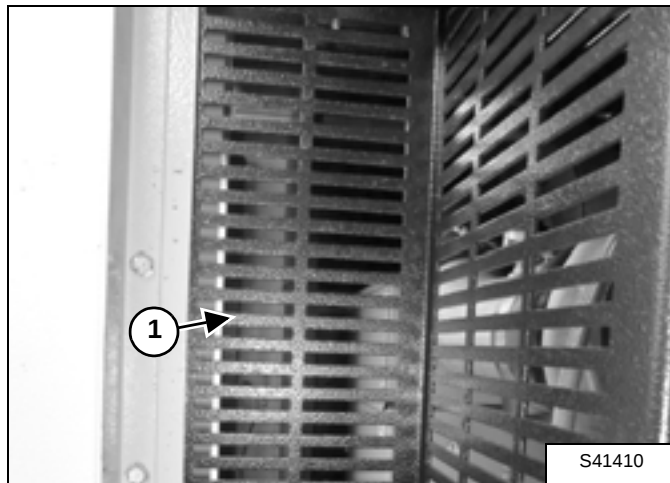
Figure 8



Remove the bolts (Item 1) and remove the door side angles (Item 2) (both sides) from the lifting bail (Item 3) **[Figure 8]**.

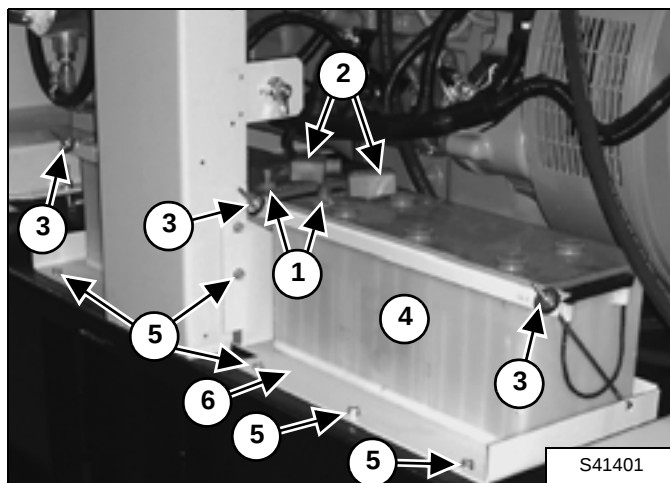
Repeat this step for the other side of the generator.

Figure 9



On the turbocharger side, also remove the protection grill **[Figure 9]**.

Figure 10



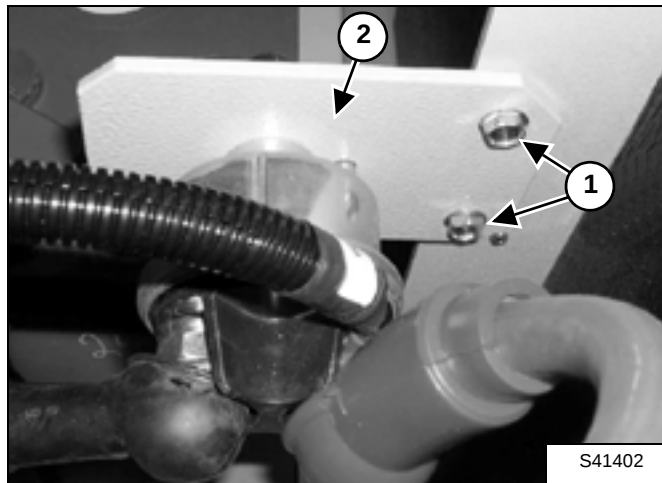
Disconnect the negative (-) cables from the battery (Item 1) **[Figure 10]**.

Disconnect the positive (+) cables from the battery (Item 2) **[Figure 10]**.

Loosen the nuts (Item 3) and remove the two batteries (Item 4) **[Figure 10]**.

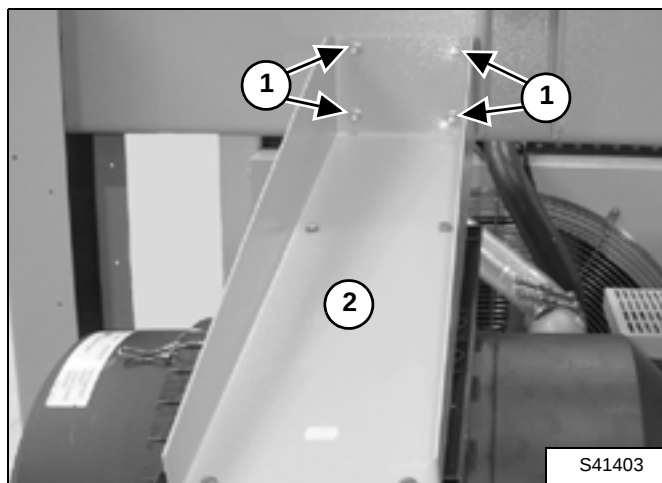
Remove the bolts (Item 5) and remove the battery support (Item 6) **[Figure 10]**.

Figure 11



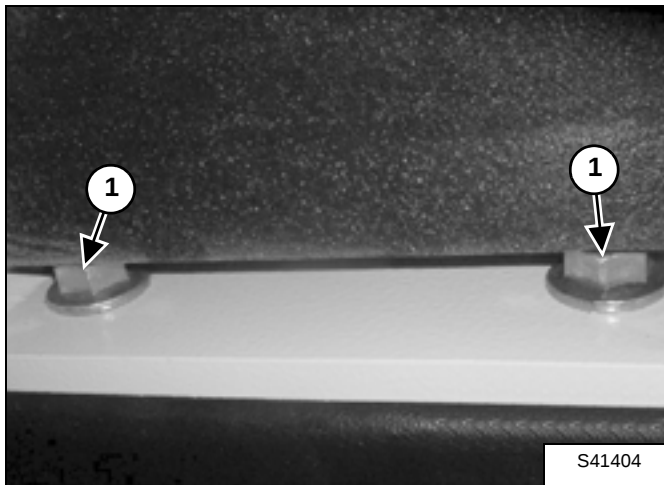
Remove the bolts (Item 1) and remove the battery switch bracket (Item 2) **[Figure 11]** from the lifting bail.

Figure 12



Remove the four bolts (Item 1) and detach the air filter bracket (Item 2) **[Figure 12]** from the lifting bail.

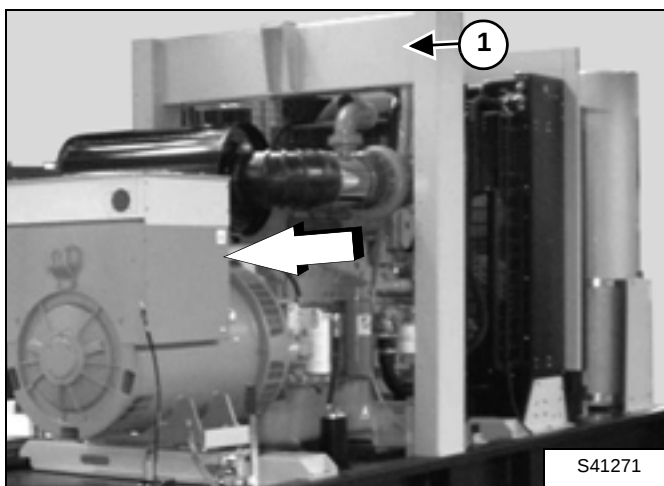
Figure 13



Cut the silicone all around the lifting bail. Remove the two bolts (Item 1) **[Figure 13]** (both sides).

Installation: Apply Loctite® 243 to the threads of the bolts (Item 1) **[Figure 13]** and tighten to 210 N•m (154.89 ft-lb) torque.

Figure 14



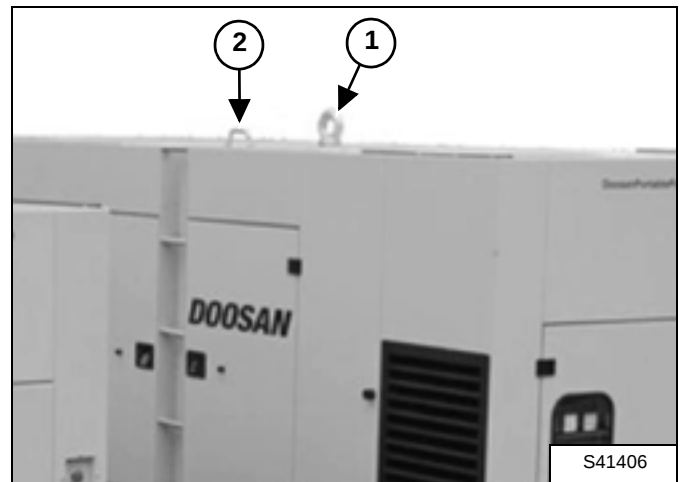
Push the lifting bail (Item 1) **[Figure 14]** approximately 50 mm (1.97 in) towards the power pedestal side and lift it to remove the lifting bail.

Install the new lifting bail and completely re-assemble the generator.

For Models G400 And G500 Generators

Open all canopy doors.

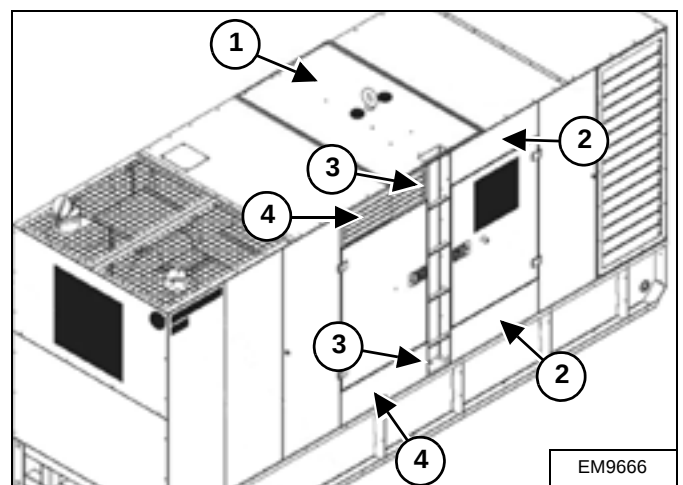
Figure 15



Remove the nut (inside the canopy) and remove the lifting eye (Item 1) **[Figure 15]**.

Remove the bolts and nuts and remove the roof handle (Item 2) **[Figure 15]**.

Figure 16

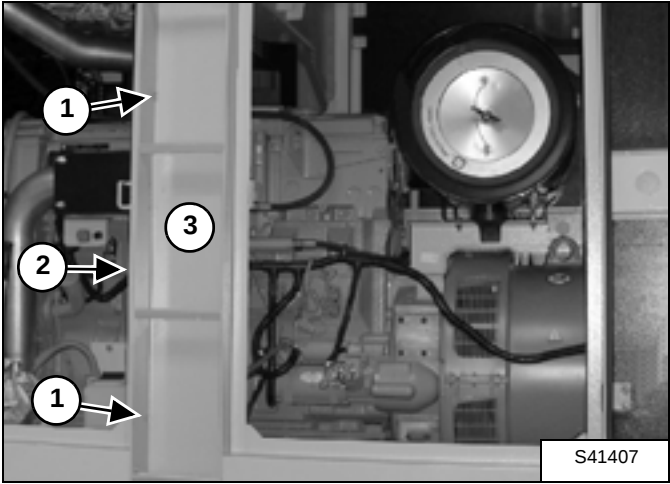


Remove the bolts and remove the middle roof panel (Item 1) **[Figure 16]**.

Remove the upper and lower panels (Item 2) **[Figure 16]** (both sides) on the power pedestal side of the lifting bail.

Remove the bolts on the positions (Item 3) to detach the lower and upper panels (Item 4) **[Figure 6]** (both sides) from the lifting bail.

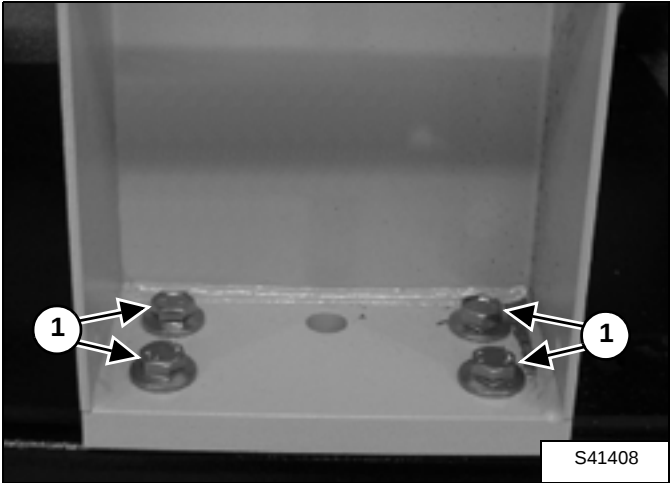
Figure 17



Remove the six bolts (Item 1) and remove the door side angles (Item 2) (both sides) from the lifting bail (Item 3) [Figure 17].

Repeat this step for the other side of the generator.

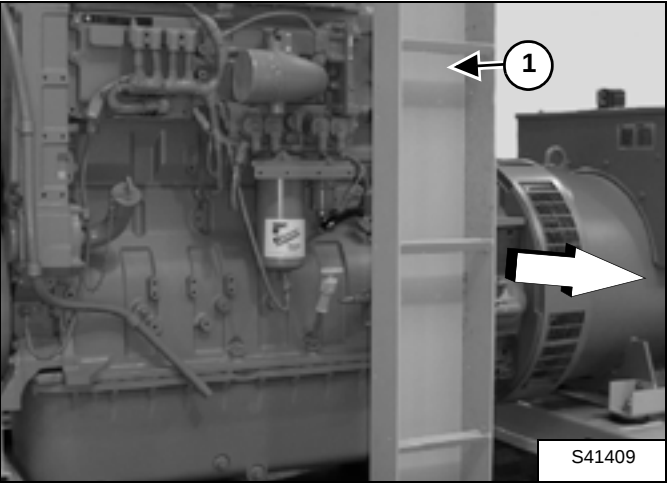
Figure 18



Cut the silicone all around the lifting bail. Remove the four bolts (Item 1) [Figure 18] (both sides).

Installation: Apply Loctite® 243 to the threads of the bolts (Item 1) [Figure 18] and tighten to 210 N•m (154.89 ft-lb) torque.

Figure 19



Push the lifting bail (Item 1) [Figure 19] approximately 50 mm (1.97 in) towards the power pedestal side and lift it to remove the lifting bail.

Install the new lifting bail and completely re-assemble the generator.

MODEL	SERIAL NUMBER
G250	07G2500002 thru 07G2500015 07G2500017 07G2500021 08G2500016 08G2500018 thru 08G2500020 08G2500022 thru 08G2500023 08G2500028 thru 08G2500029 08G2500033 thru 08G2500034 08G2500036 thru 08G2500048 G2500101 thru G2500184
G400	07G4000003 thru 07G4000016 08G4000017 thru 08G4000030 08G4000032 thru 08G4000036 G4000101 G4000103 thru G4000136
G500	07G5000002 thru 07G5000007 07G5000009 thru 07G5000012 07G5000027 thru 07G5000029 08G5000013 thru 08G5000022 08G5000025 thru 08G5000026 08G5000030 thru 08G5000036 G5000101 thru G5000149