

## INSTALLATION INSTRUCTIONS

Original Issue Date: 11/16

Model: 14RESA/RESAL, 20RESC/RESCL, and 20RESD

Market: Residential/Commercial

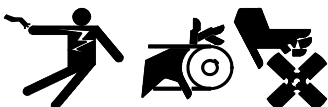
Subject: Alternator Weather Cover GM101615-KP1

### Introduction


The alternator weather cover is used to prevent frost and snow build up on the alternator brushes.


### Safety Precautions

Observe the following safety precautions while installing the kit.

<b>⚠ WARNING</b>

<p><b>Accidental starting.</b> Can cause severe injury or death.</p> <p>Disconnect the battery cables before working on the generator set. Remove the negative (-) lead first when disconnecting the battery. Reconnect the negative (-) lead last when reconnecting the battery.</p>

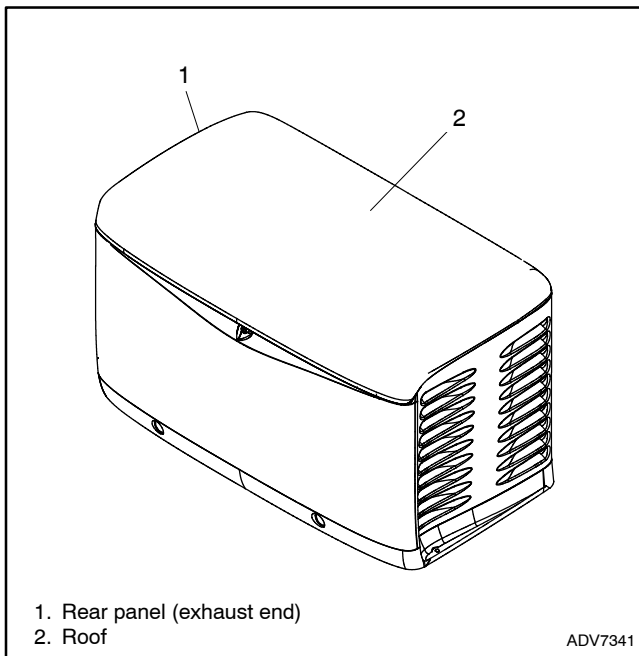
**Disabling the generator set. Accidental starting can cause severe injury or death.** Before working on the generator set or equipment connected to the set, disable the generator set as follows: (1) Press the generator set off/reset button to shut down the generator set. (2) Disconnect the power to the battery charger, if equipped. (3) Remove the battery cables, negative (-) lead first. Reconnect the negative (-) lead last when reconnecting the battery. Follow these precautions to prevent the starting of the generator set by the remote start/stop switch.

<b>⚠ DANGER</b>

<p><b>Hazardous voltage.</b> Will cause severe injury or death.</p> <p>Disconnect all power sources before opening the enclosure.</p>

<b>⚠ WARNING</b>

<p><b>Hot engine and exhaust system.</b> Can cause severe injury or death.</p> <p>Do not work on the generator set until it cools.</p>

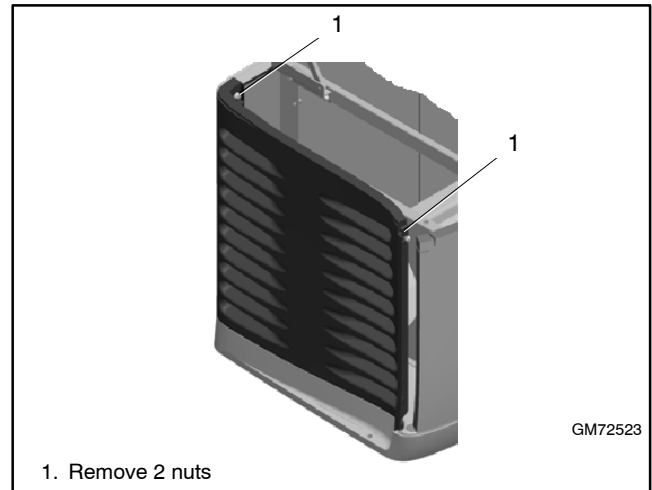
## Installation Procedure, 14/20RESA(L) and 20RESC(L)

1. Disconnect AC power to the generator set by opening the upstream circuit breaker. (AC power is connected to the generator set for battery charging and AC-powered accessories.)
2. Allow the generator set and engine to cool.
3. Open the enclosure roof. See Figure 1.
4. Press the OFF button on the controller.
5. Disconnect the generator set engine starting battery(ies), negative (-) lead first.



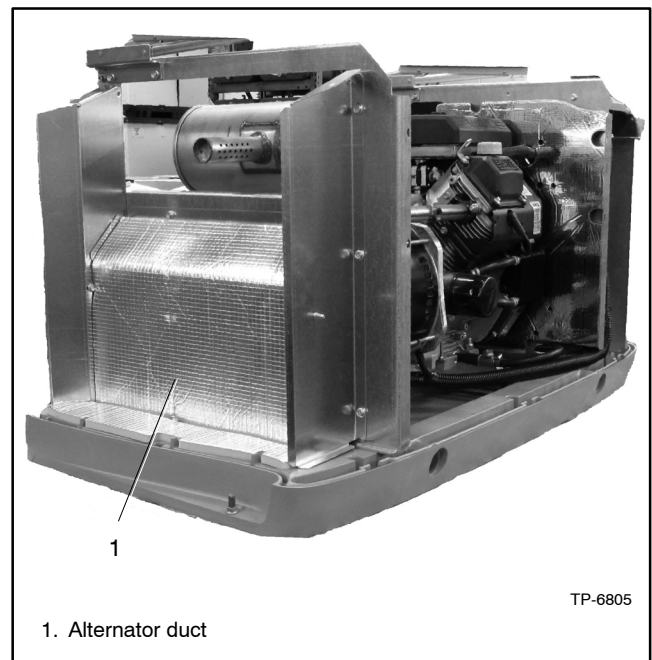
**Figure 1** Enclosure Parts

6. Remove two nuts and lift off the exhaust end panel. Save the mounting hardware. See Figure 2.



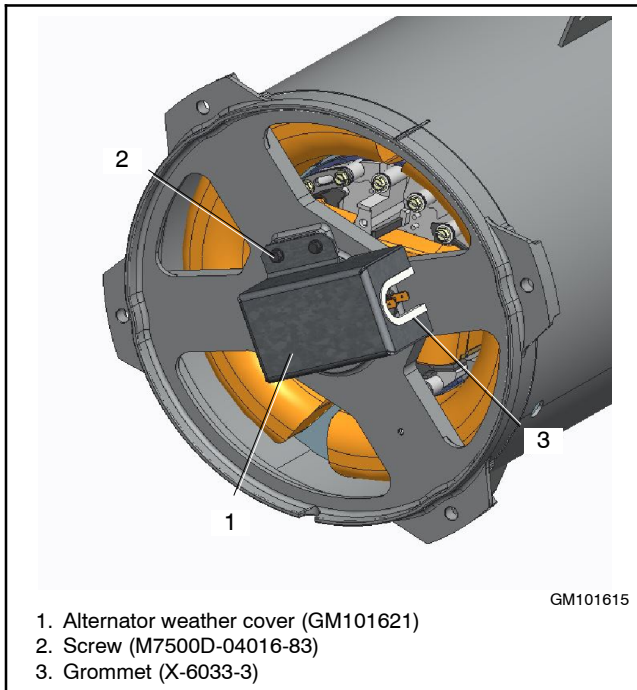
**Figure 2** Rear Panel (exhaust end panel)

7. Remove five screws and remove the alternator air inlet duct. Save the mounting hardware. See Figure 3.



**Figure 3** Alternator Duct

8. Install the grommet (X-6033-3) on the alternator weather cover (GM101621).
9. Install the alternator weather cover onto the alternator end bracket using two screws (M7500D-04016-83). See Figure 4.

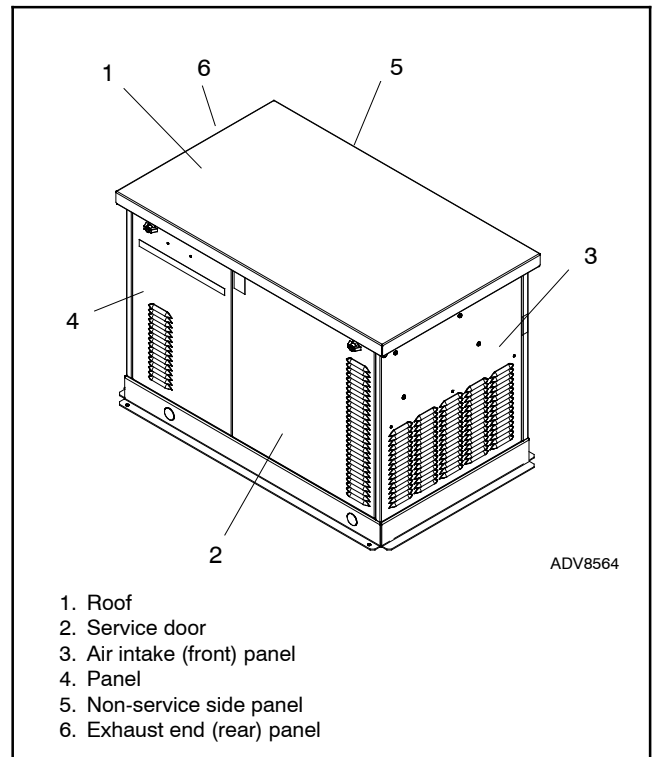


**Figure 4** Alternator Weather Cover Installation

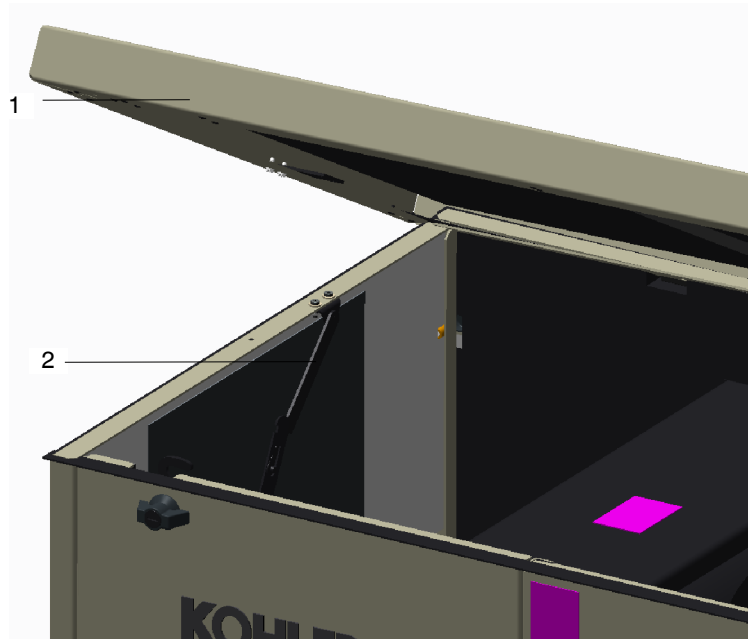
10. Install the alternator air inlet duct re-using the five screws that were removed in step 7.
11. Install the exhaust end panel.
12. Reconnect the generator set engine starting battery(ies), negative (-) lead first.
13. Re-apply the 120VAC power supply to the generator set by closing the upstream circuit breaker.
14. Reset the time, date, and exercise (if applicable) on the controller.
15. Press AUTO if an automatic transfer switch or remote start/stop switch is used.
16. Lower and secure the roof.

## Installation Procedure, 20RESD

1. Read and follow the safety precautions on page 1 of this document .
2. Disconnect AC power to the generator set by opening the upstream circuit breaker. (AC power is connected to the generator set for battery charging and AC-powered accessories.)
3. Allow the generator set and engine to cool.
4. Open the enclosure roof. See Figure 5.
5. Press the OFF button on the controller.
6. Disconnect the generator set engine starting battery(ies), negative (-) lead first.
7. Remove the screws on one end of the roof stay to disconnect the roof stay. Save the mounting hardware. See Figure 6.



**Figure 5** Enclosure Parts

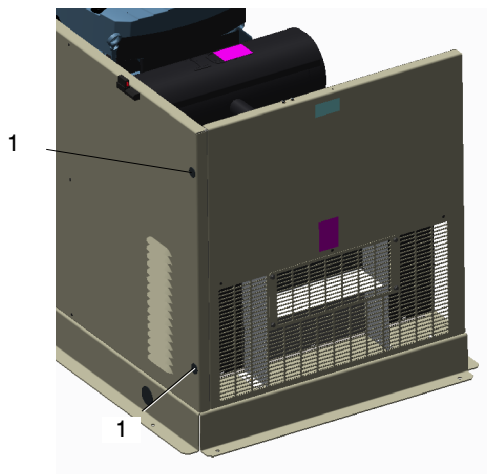


- 1. Roof
- 2. Roof stay (GM51973)

**Figure 6** Roof Stay

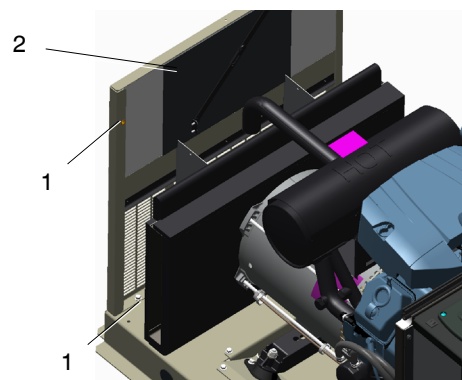
8. To remove the exhaust end panel, remove the plug and two panel screws. Save the mounting hardware. See Figure 7.

9. From the inside of the enclosure, remove the screws to remove the exhaust end (rear) panel. Save the mounting hardware. See Figure 8.



- 1. Plugs

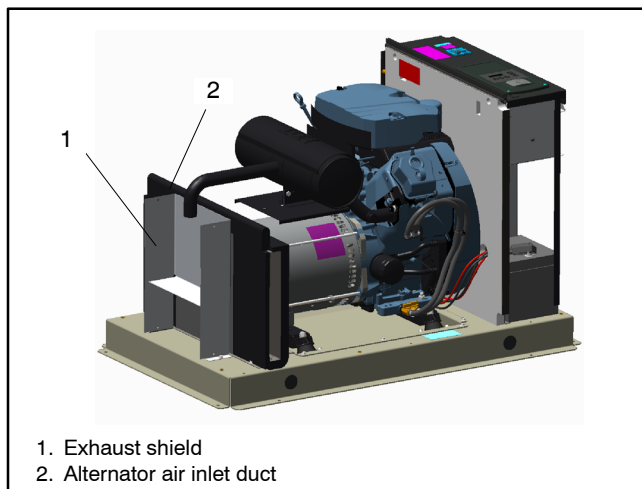
**Figure 7** Plugs, Exhaust End Panel



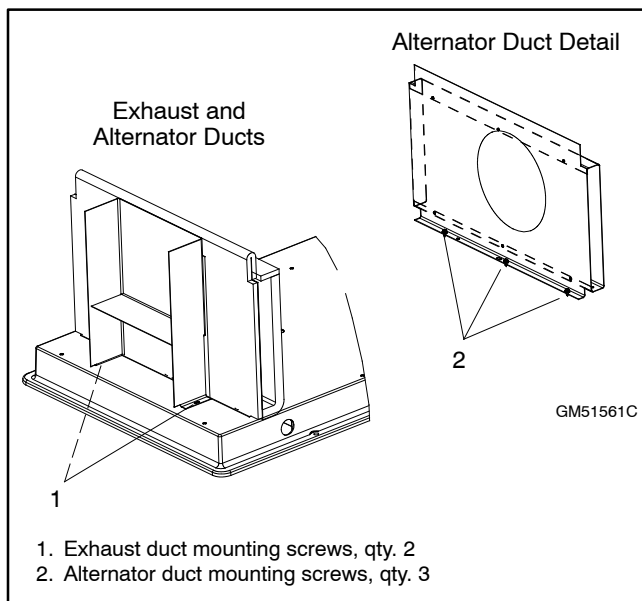
- 1. Screw
- 2. Rear Panel

**Figure 8** Exhaust End (rear) Panel

10. Remove the exhaust shield and alternator air inlet duct. See Figure 9.
  - a. Remove two bolts securing the exhaust shield at the exhaust end and remove the shield. Save the mounting hardware. See Figure 10.
  - b. Remove three bolts securing the alternator air inlet duct to the base and remove the duct. Save the mounting hardware. See Figure 10.

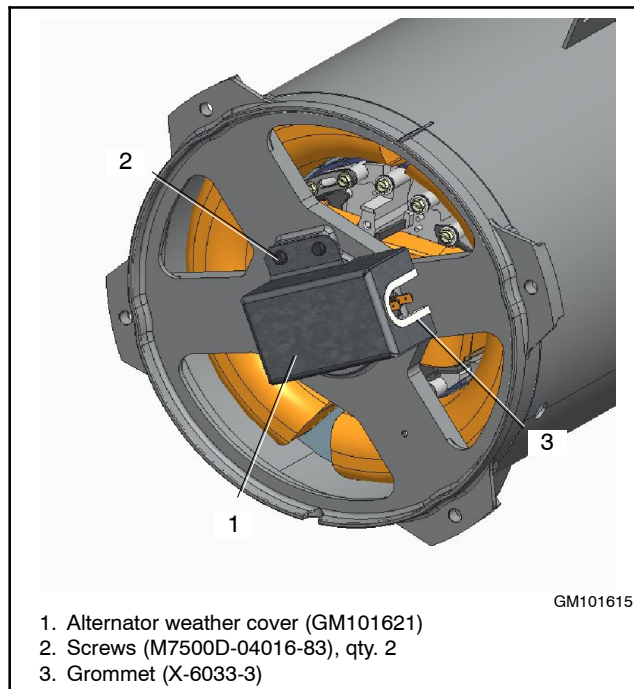


**Figure 9** Shield and Alternator Air Inlet Duct



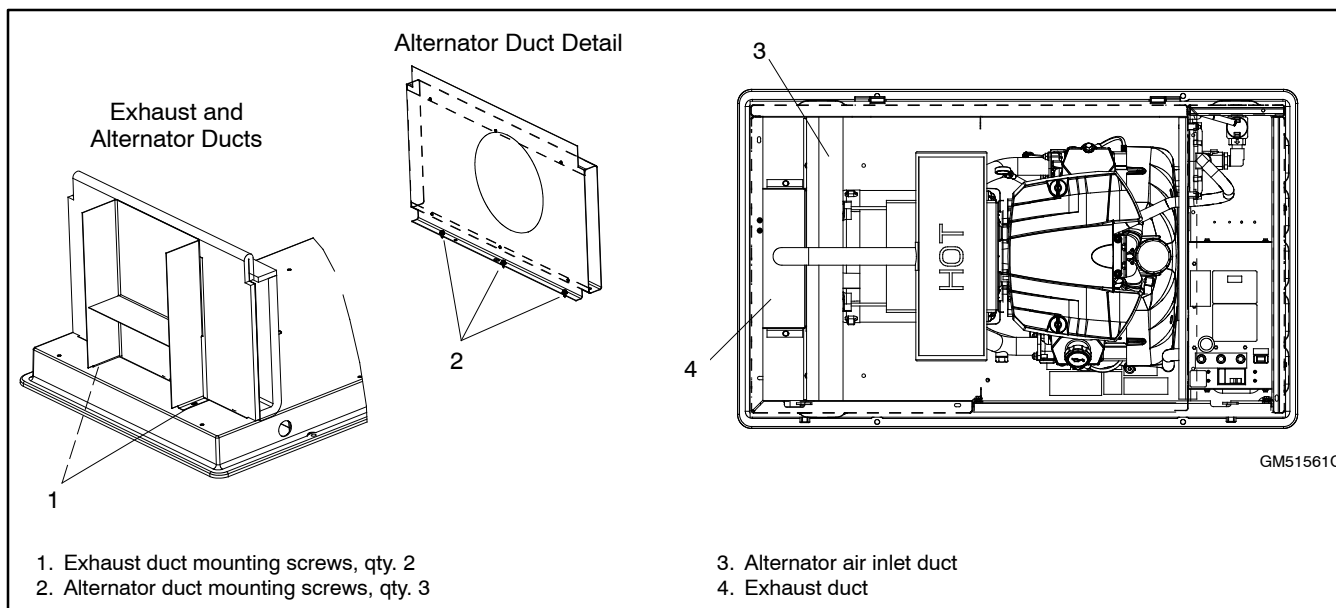
**Figure 10** Exhaust and Alternator Ducts

11. Install the grommet (X-6033-3) onto the alternator weather cover (GM101621). See Figure 11.
12. Install the alternator weather cover onto the alternator end bracket using two screws (M7500D-04016-83). See Figure 11.



**Figure 11** Alternator Weather Cover Installation

13. Reinstall the alternator air inlet duct. Orient the duct as shown in Figure 12.
14. Install the exhaust duct. See Figure 12.
15. Install the exhaust end housing panel.
16. Reconnect the roof stay.
17. Reconnect the generator set engine starting battery(ies), negative (-) lead first.
18. Re-apply the 120VAC power supply to the generator set by closing the upstream circuit breaker.
19. Reset the time, date, and exercise (if applicable) on the controller.
20. Press AUTO if an automatic transfer switch or remote start/stop switch is used.
21. Lower and secure the roof.



**Figure 12** Alternator Air Inlet Duct, 20RESB and 20RESD

## Notes

## Parts List

### Alternator Weather Cover

Kit: GM101615-KP1		
Qty.	Description	Part Number
1	Cover, Alternator Weather	GM101621
2	Screw, Metric Thread Forming 16mm	M7500D-04016-83
1	Installation Instructions	TT-1708
1	Grommet, u-channel	X-6033-3

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