

INSTALLATION INSTRUCTIONS

Original Issue Date: 11/16

Model: 14RESA/RESAL

Market: Residential/Commercial

Subject: Breather Tube and Spacer Kit GM102228-S

Introduction

Breather Tube and Spacer Kit GM102228-S is required when the carburetor heater is removed from Model 14RESA(L) generator sets. If your Model 14RESA(L) generator set has a carburetor heater, it must be removed before you can install the breather tube heater that is included in the following kits:


- GM101603-KP1-QS, Cold Weather Package, 120V
- GM101603-KP2-QS, Cold Weather Package, 240V
- GM102231-KP1-QS, Breather Tube and Oil Heaters, 120V
- GM102231-KP1-QS, Breather Tube and Oil Heaters, 240V

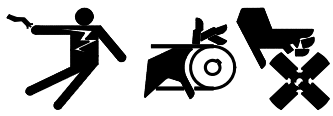
When the carburetor heater was installed on the model 14RESA(L) generator, the breather tube was shortened and the spacer was replaced by the carburetor heater. Use service kit GM102228-S to install a new air cleaner spacer, gaskets, screws, and breather tube after removing the carburetor heater.

Read the entire installation procedure and compare the kit parts with the parts list at the end of this publication before beginning installation. Perform the steps in the order shown.


Safety Precautions

Observe the following safety precautions while installing the kit.

⚠ DANGER

Hazardous voltage. Will cause severe injury or death. Disconnect all power sources before opening the enclosure.

⚠ WARNING

Accidental starting. Can cause severe injury or death. 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.

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.

⚠ CAUTION

Hot surfaces.

Servicing the engine heater. Hot parts can cause minor personal injury or property damage. Install the heater before connecting it to power. Operating the heater before installation can cause burns and component damage. Disconnect power to the heater and allow it to cool before servicing the heater or nearby parts.

Installation Instructions

Please follow the steps below to remove the carburetor heater kit and replace the breather tube, spacer, and gaskets.

1. Turn off the generator set by pressing the OFF button on the generator set controller.
2. Disconnect the AC power to the generator set by opening the circuit breaker in the distribution panel.
3. Disconnect the generator set engine starting battery(ies), negative (-) lead first.
4. Lift up the thermal cover.
5. Disconnect the carburetor heater's power cord from the receptacle provided inside the engine compartment.

Note: If 3-way extension cord GM95628 is used, disconnect the power cord from the extension.

6. Remove the air cleaner assembly to gain access to the carburetor heater. Save the air cleaner parts for reinstallation later, except as noted.
 - a. Loosen the cover retaining knob and remove the air cleaner cover. See Figure 1.
 - b. Remove the wing nut and the element cover.
 - c. Remove the air cleaner element and foam precleaner, if equipped.
 - d. Remove the screws that attach the air cleaner bracket and base to the carburetor assembly. The four screws will not be reused. Remove the bracket and base. See Figure 2.

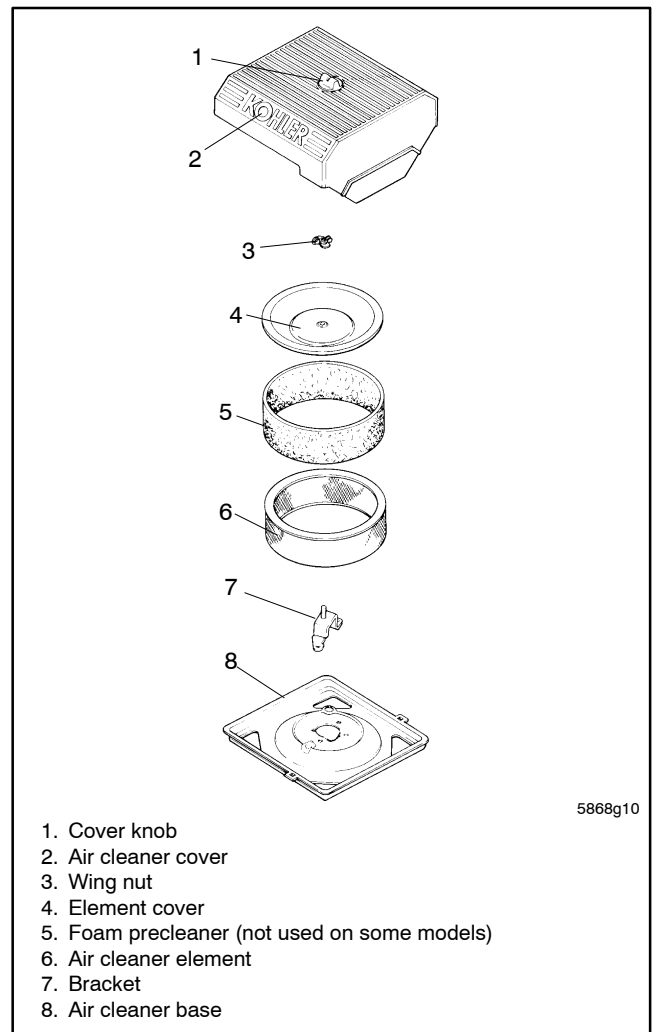


Figure 1 Air Cleaner Components

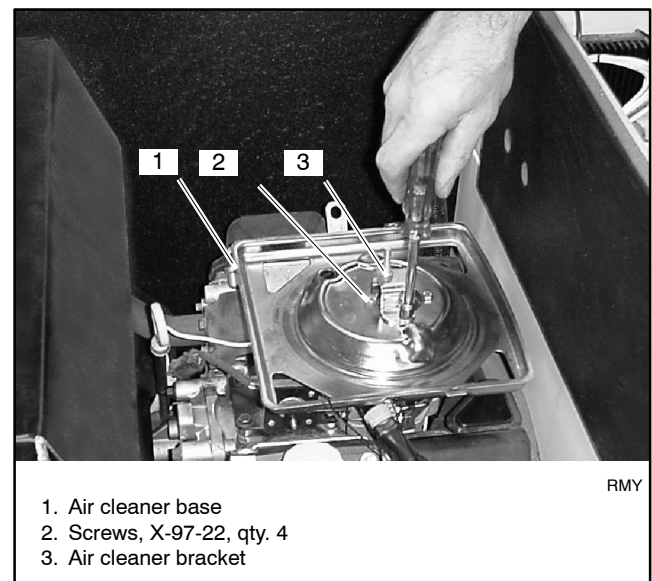


Figure 2 Air Cleaner Bracket and Screws

7. Remove the carburetor heater with insulated breather tube from the carburetor assembly. Discard the two gaskets.
8. Loosen the spring clip and remove the shortened breather hose. Save the spring clip to secure the new breather hose.
9. Remove the plug from the opening in the air cleaner base. See item 11 in Figure 3.

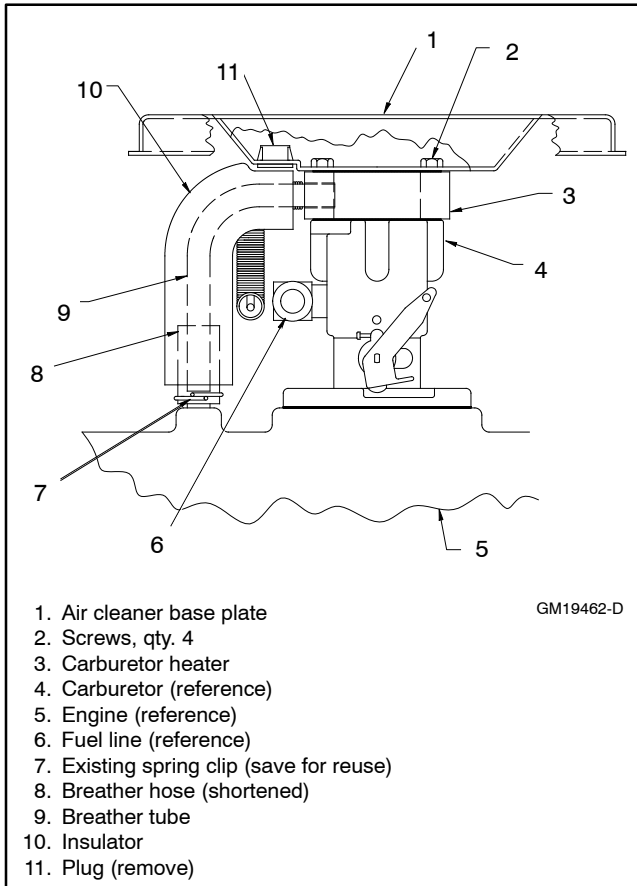


Figure 3 Carburetor Heater (if equipped), Models 14RESA(L)

10. Install the new breather hose (24 326 89-S) and secure it to the engine with the spring clip that was removed in step 8.
11. Follow the instructions provided with the breather tube heater kit to install the breather tube heater.
12. Install the spacer (52 112 12-S) and two gaskets (277093-S) on the carburetor assembly, lining up the holes with the threaded openings in the carburetor. See Figure 4.

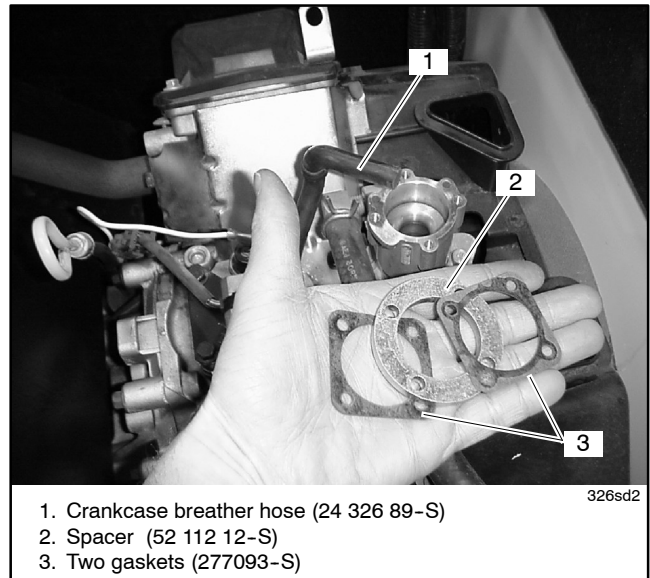


Figure 4 Crankcase Breather Hose, Air Cleaner Spacer, and Gaskets

13. Insert the end of the breather tube into the (formerly plugged) opening in the air cleaner base.
14. Install the air cleaner base using the 4 screws provided with the service kit (25 086 48-S).
15. Reinstall the air cleaner element and covers.

Parts List

Breather Tube and Spacer Kit

Kit: GM102228-S		
Qty.	Description	Part Number
1	Breather tube	24 326 89-S
1	Spacer	52 112 12-S
2	Gasket	277093-S
4	Screws	25 086 48-S
1	Installation Instructions	TT-1718

Availability is subject to change without notice. Kohler Co. reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local Kohler® generator set distributor for availability.

© 2016 by Kohler Co. All rights reserved.