



Service Kit 759-04237

Date: December 2, 2009
Subject: Hood Brace Kit
Models Affected: GT 2542 (14A-2D2G710)
GT 2544 (14A-2C7L710)
GT 2550 (14A-2E7P710)
GT 2554 (14A-2A7K710)
Serial No. Range: See Note Below

PURPOSE: Service Kit 759-04237 is to be used on hoods that already incorporate the use of the 710-1242 Hi-Lo Screws, See Figure 1 below. These four (4) screws are used to mount the hood to the hood pivot bracket. This Service Kit will enhance the strength and durability of the existing hood by using longer Hi-Lo screws and a center hood brace.

NOTE: *If the unit being repaired, still has the style of hood with the brass inserts, (see Figure 2 below) that use a 1/4-20 hex head bolt to mount the hood to the pivot bracket. Order and install one of the updated hood Service Kits listed below, (depending on serial number of the unit and requirement). These Service Kits will include the items contained in this Service Kit (759-04237).*

759-04136B is used for 2500 Series Tractors built Prior to January 13, 2006.

759-04137B is used for 2500 Series Tractors built January 13, 2006 through October 31, 2006.

759-04209A is used for 2500 Series Tractors built November 1, 2006 and After.



Hi-Lo Screw
710-1242

FIGURE 1

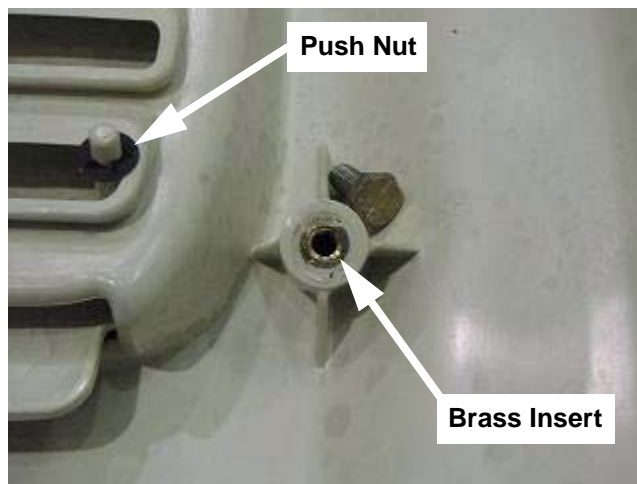


FIGURE 2

NOTE: *These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.*

NOTE: *Save this Instruction Sheet. Refer to it when ordering replacement parts. Service Kit contents are listed on page 2 of these instructions.*

INSTALLATION INSTRUCTIONS:

1. Park unit on a flat level surface. Set parking brake.
2. Lift the hood and disconnect the negative battery cable from the negative battery terminal.
3. Disconnect the headlight wire harness from the main wire harness.
4. Remove the headlight lamps and set off to the side so no damage occurs to them.
5. Remove the four (4) hi-lo screws that secure the hood to the hood pivot bracket & remove the hood. See Figure 3. **NOTE: Have someone help support the hood during removal.**

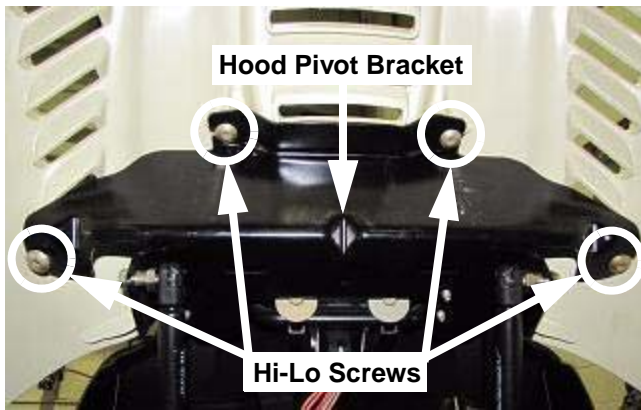


FIGURE 3

6. Remove the hood cover. Use a pair of side cutters to cut the push nuts securing the hood cover to the hood, Figure 2. Set the hood cover to the side. Use Caution.

7. Set the hood upside down to access the four (4) hood mounting bosses. See Figure 4.

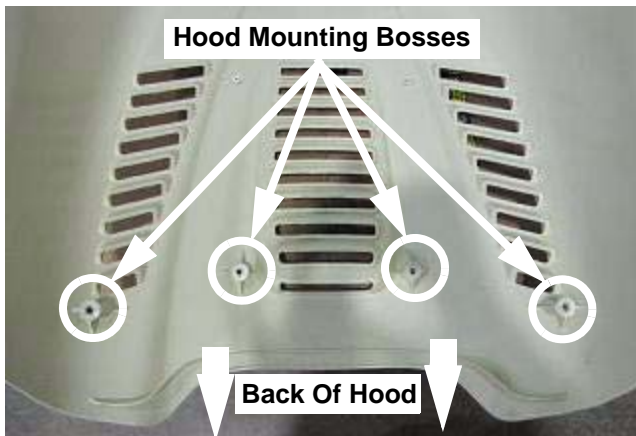


FIGURE 4

8. Enlarge the four (4) holes using a 17/64" fractional drill bit. Using a piece of masking tape as a guide, mark off the drill bit to only drill 1.0" deep in each of the four (4) holes. See Figure 5.

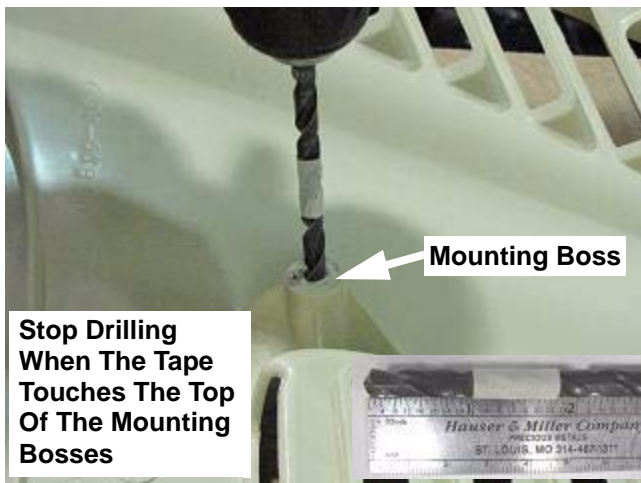
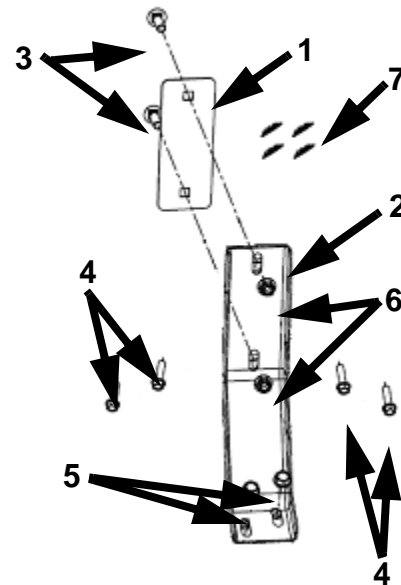


FIGURE 5



759-04237 Service Kit Contents

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	703-07751	1	Hood Brace Plate
2	703-07752	1	Hood Brace
3	710-0276	2	5/16-18 x 1.0" Carriage Bolt
4	710-05109	4	5/16-14 x 1.0" Hi-Lo Screw
5	710-0604A	2	5/16-18 x .625" Taptite
6	712-04063	2	5/16-18 Flange Nylon Lk Nut
7	726-0233	4	Push Nut .25 ID x .50 OD

Instruction sheet included with kit.

FIGURE 6

NOTE: Use Figure 6 above when referring to Ref.#/ Item No. callouts

9. The four (4) mounting holes in the hood pivot bracket may need to be enlarged to accept the new hi-lo screws Ref.# 4 (710-05109). Enlarge the holes if needed using an 11/32 fractional drill bit. See Figure 7. **NOTE: Make sure the hi-lo screws pass through the enlarged hole easily and clean any burrs left from the drilling process with a round file.**



FIGURE 7

10. **NOTE: Have someone help support the hood during installation.**

Place the hood in place on the hood pivot bracket and secure with the four (4) hi-lo screws Ref.# 4 (710-05109). Torque to 50-65 in. lbs.

NOTE: The use of the hood brace as a template can be used as outlined in the following steps 11 - 20 for the location of the two (2) holes to be drilled in the hood pivot bracket. A new hood pivot bracket (783-05029C-0637) can be ordered and installed as an option.

11. Place the hood brace plate Ref.# 1 (703-07751) with the 5/16-18 x 1.0" carriage bolts Ref.# 3 (710-0276) inserted through the third slot from the back and fourth slot from the front as shown in Figure 8.

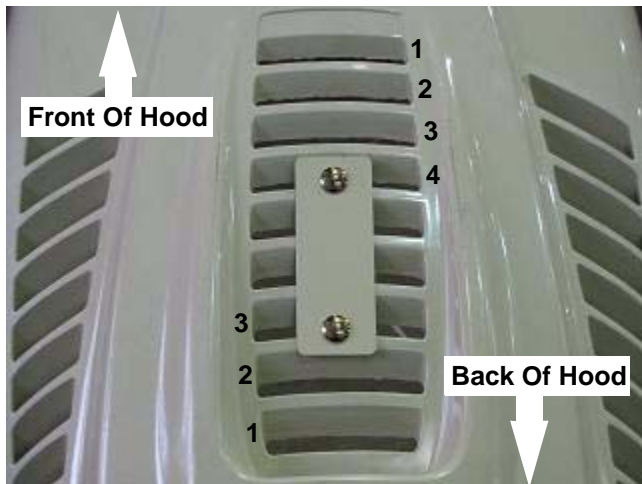


FIGURE 8

12. Place the hood brace Ref.# 2 (703-07752) on the inside of the hood with the carriage bolts inserted through the slots in the longer section of the hood brace and the short section towards the hood pivot bracket.

13. Using a flat washer and non locking 5/16-18 nut (**Not Included**), secure the front carriage bolt. Do Not tighten, leave loose enough for adjustment.

14. Secure the rear carriage bolt in the same manner. See Figure 9. Do Not tighten leave loose enough for adjustment.



FIGURE 9

15. Make sure the short section is flat against the hood pivot bracket. Tighten or loosen the nuts on the carriage bolts as needed or move the assembly back and fourth to get the short section to sit flat. See Figure 10.

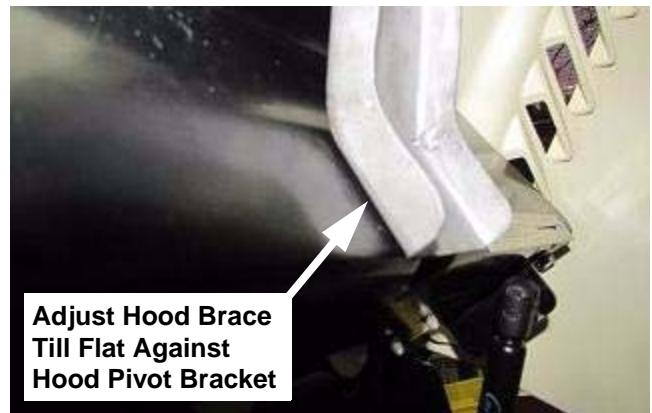


FIGURE 10

16. Measure from the out side of the hood brace to the center of the out side dimple of the hood pivot bracket. Adjust the hood brace location until a measurement of (5 7/8") is obtained, or equal distance on the left and right side of the hood brace to the center of the dimples. See Figure 11A, 11B & 11C.



FIGURE 11A

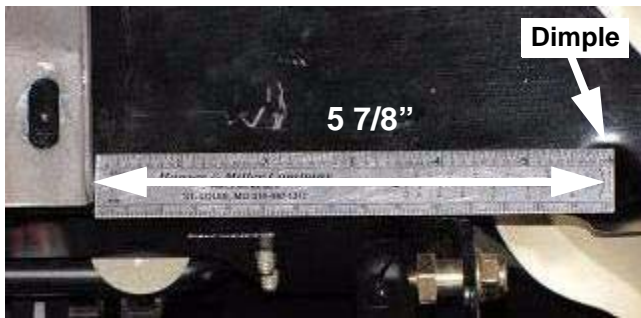


FIGURE 11B

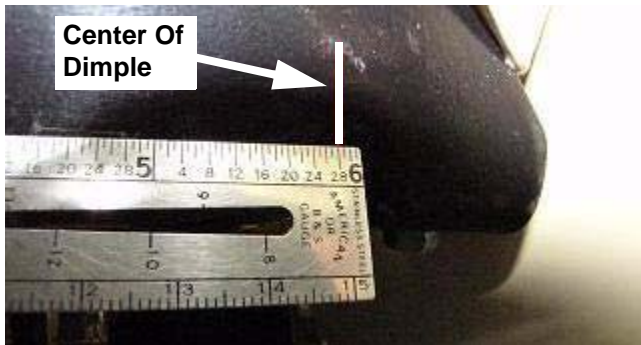


FIGURE 11C

NOTE: The center of the hood brace should be aligned with the center of the middle triangular dimple of the hood pivot bracket.

17. Use a center punch to place a mark on the hood pivot bracket in the center of each slot of the short section of the hood brace as shown in Figure 12.

NOTE: The distance between the two (2) marks should measure approximately 1.250" (1 1/4").

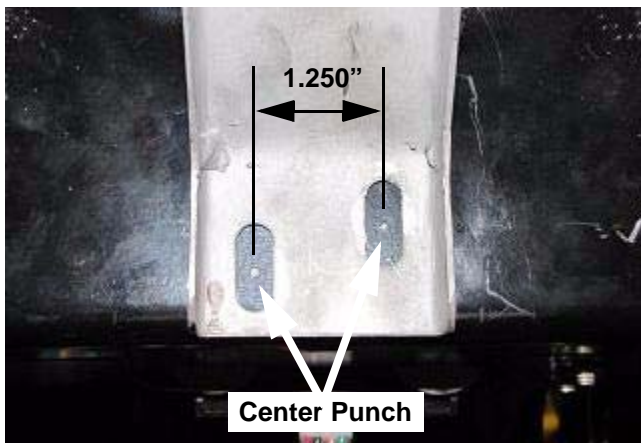


FIGURE 12

18. Remove the hood brace before drilling the holes in the hood pivot bracket. **NOTE: The flat washers and non locking 5/16-18 nuts used in step 13 & 14 are No Longer required and can be discarded.**

19. If the battery has not been removed, Cover the battery to catch metal particles from the drilling process.

20. Using a 9/32" drill bit, drill through the hood pivot bracket at the points marked by the center punch. Be careful when drilling through the hood pivot bracket as the dash is located directly behind it. **NOTE: Insert a piece of fuel line over the drill bit to act as a stop gauge. Allow 3/4" of drill bit exposed.**

21. Clean any burrs and all debris left from the drilling process. See Figure 13.



FIGURE 13

22. Thread the two (2) 5/16-18 x .625 taptite screws Ref.# 5 (710-0604A) into the holes at least half way and remove. This will allow for easier installation when mounting the hood brace.

23. Place the hood brace Ref.# 2 (703-07752) on the inside of the hood with the carriage bolts inserted through the slots in the longer section of the hood brace and the short section towards the hood pivot bracket.

24. Thread the two (2) 5/16-18 flange nylon lock nut Ref.# 6 (712-04063) onto the two (2) carriage bolts. Do Not tighten, leave loose enough for adjustment.

25. Make sure the short section is flat against the hood pivot bracket and the holes are aligned with the slots. See Figure 14.



FIGURE 14

26. Secure the short section of the hood brace to the hood pivot bracket using the 5/16-18 x .625 taptite screws Ref.# 5 (710-0604A). Make sure the hood brace is flat against the hood pivot bracket before tightening the two (2) taptite screws.

27. Tighten the flange nylon lock nuts on the carriage bolts clamping the hood between the hood brace plate and hood brace. Do Not over tighten. See Figure 15.



FIGURE 15

28. Install the headlight lamps removed in step 4.

29. Reconnect the headlight wire harness to the main wire harness.

30. Install the hood cover on the hood with the opening facing forward and secure with the four (4) push nuts Ref.# 7 (726-0233) as shown in Figure 16.



FIGURE 16

31. Carefully close the hood paying attention that the hood does not bind or pinch at the dash area. Make sure the hood latches correctly and that the exhaust pipe is centered in the opening in the grille assembly. If not, adjust accordingly.

32. Connect the negative battery wire to the negative battery terminal. If the battery was removed install at this time and connect the battery wires accordingly.

33. Start and run the tractor, check that all safety features are operating correctly.

The dimensional drawing on page six can be used for help in locating the position of the two (2) .281" (9/32") holes to be drilled.

NOTE: The two (2) .75" holes are not incorporated on all hood pivot brackets to use as reference points.

