

# Installation Instructions

## Gearbox Vent Installation Kit

Part No. 5600964

Fits IS2600Z Models

Kit Contents					
Part No.	Qty.	Description	Part No.	Qty.	Description
5025394	5	Nut, 3/8-16 Hex Nylock Flange	5104533X1	1	Vent, Pressure Relief
5025396	4	Nut, 1/2-13 Hex Nylock Flange			

### ⚠ WARNING



**Remove the ignition key prior to performing maintenance on the unit.**

Before beginning any service work turn off the PTO, engage the parking brake, turn off the ignition, remove the ignition key, and disconnect the spark plug wire(s).

### INSTALLING THE GEARBOX VENT

1. Park the zero-turn rider on a smooth, level surface such as a concrete floor. Disengage the PTO, engage the parking brake, turn the ignition switch to OFF, and remove the ignition key.
2. Release the hood latches and raise the hood to gain access to the gearbox. The gearbox is located in the rear corner of the machine on the right hand side of the right side rear tire and the bumper.
3. Remove the two (2) 1/4-20 X 1" bolts (A, Figure 1) and 1/4 SAE washers (B) from the muffler shield (C). Remove the 3/8-16 X 1" bolt (D), 3/8 SAE washer (E), and 3/8-16 hex nylock flange nut (F) that secure the muffler shield to the bumper. Remove the muffler shield from the machine. Discard the nut.
4. Remove the three (3) 1/6-18 X 1" bolts (A, Figure 2) and 5/16 SAE washers (B) that secure the rear belt guard (C) in place.

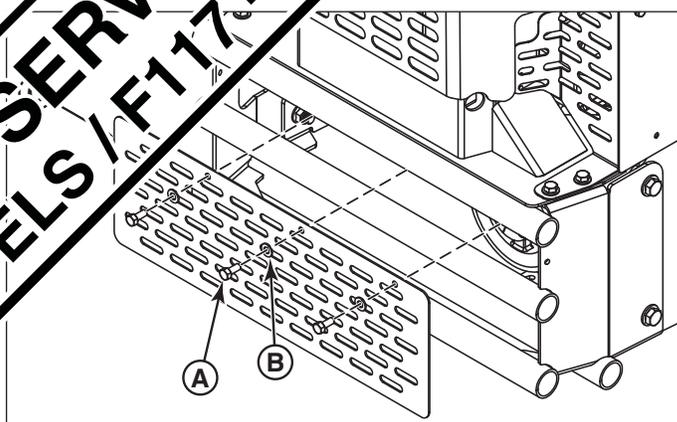
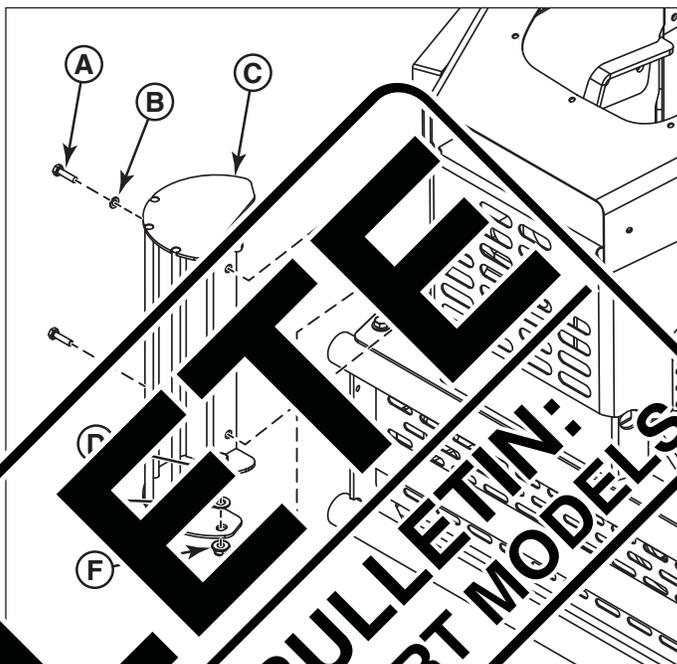


Figure 2. Removing the Belt Guard from the Rear Bumper

5. If the unit was shipped outside of the United States it is equipped with an additional flywheel guard (**A, Figure 3**). Remove the 1/4-20 X 3/4" bolt (**B**) and washer (**C**) from the flywheel guard.
6. Remove the four (4) 3/8-16 X 1" bolts (**D**), and 3/8 SAE washers (**E**) and 3/8-16 hex nylock flange nuts (**F**) that secure the rear shielding and hood assembly (**G**) and flywheel guard, (if equipped), from the rear bumper of the machine. Discard the nuts.
7. Remove the rear shielding and hood assembly and flywheel guard, (if equipped), from the machine.

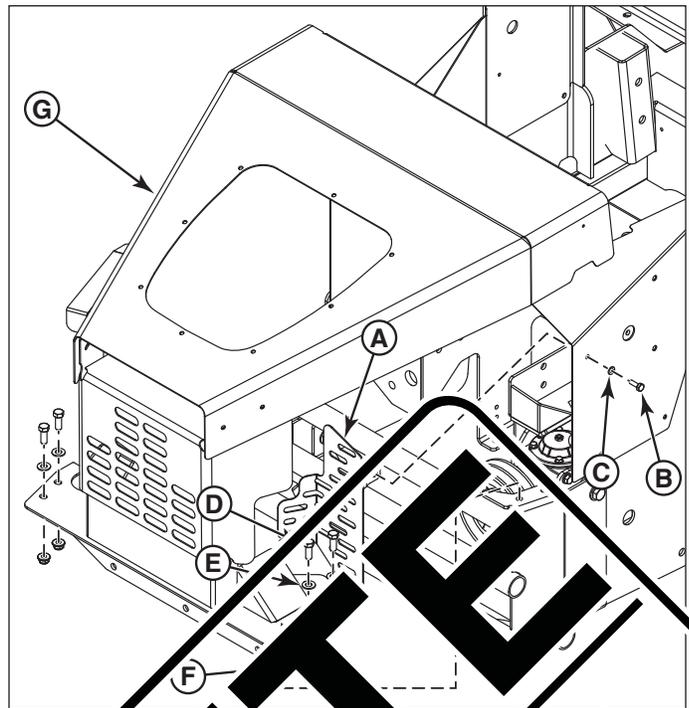


Figure 3. Remove the Rear Shielding and Hood Assembly

8. Remove the four (4) 1/2-13 X 1-1/4" bolts (**A, Figure 4**), 1/2 SAE washers (**B**), and 1/2-13 hex nylock flange nuts (**C**) that secure the bumper (**D**) to the rear of the machine. Remove the rear bumper. Discard the nuts.

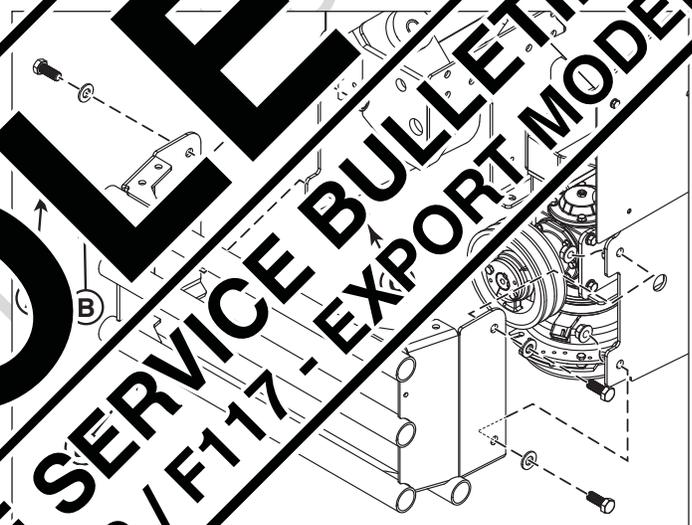


Figure 4. Remove the Rear Bumper

**OBSOLETE**  
REFERENCE SERVICE BULLETIN:  
F119 - USA MODELS / F117 - EXPORT MODELS

## ⚠ WARNING

Use extreme caution when rotating the idler arm with the breaker bar, due to the increased tension in the spring as the idler arm is being rotated. Injury may result if the breaker bar is prematurely released while the spring is under tension.

9. Using a 1/2" breaker bar, place the square end in the square hole located in the end of the idler arm (A, Figure 5). Carefully rotate the breaker bar **counter-clockwise**, which will relieve the tension exerted from the idler arm.
10. Slide the gearbox drive belt over the edge of the gearbox pulley (B). Carefully release the tension on the breaker bar.
11. Remove the gearbox drive belt (C).

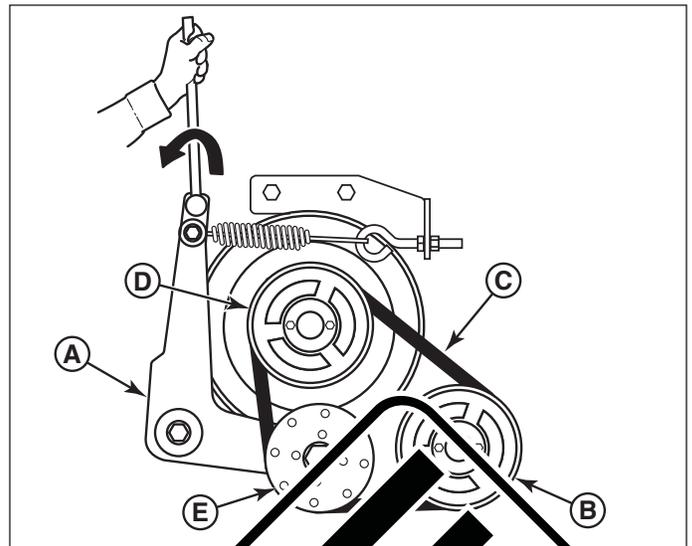


Figure 5. Removing the Gearbox Drive Belt

12. The gearbox (A, Figure 6) is now accessible.
13. There is a port (B) on the right side of the machine that allows you to access the gearbox's fill plug (C). Remove the fill plug from the gearbox.
14. Once the fill plug is removed, oil should seep out of the fill plug hole. If no oil drains out, fill with SAE 80-90 weight gear oil until oil starts to seep from the hole, and then replace the fill plug.
15. Remove the round internal hex set screw (D) and install the raised hex vent (E).
16. Re-install the gearbox drive belt (C, Figure 5), the crankshaft pulley (D) and the lower secondary pulley (E). Carefully rotate the breaker bar **counter-clockwise** and install the belt on the gearbox pulley (B). Carefully release the tension on the breaker bar.

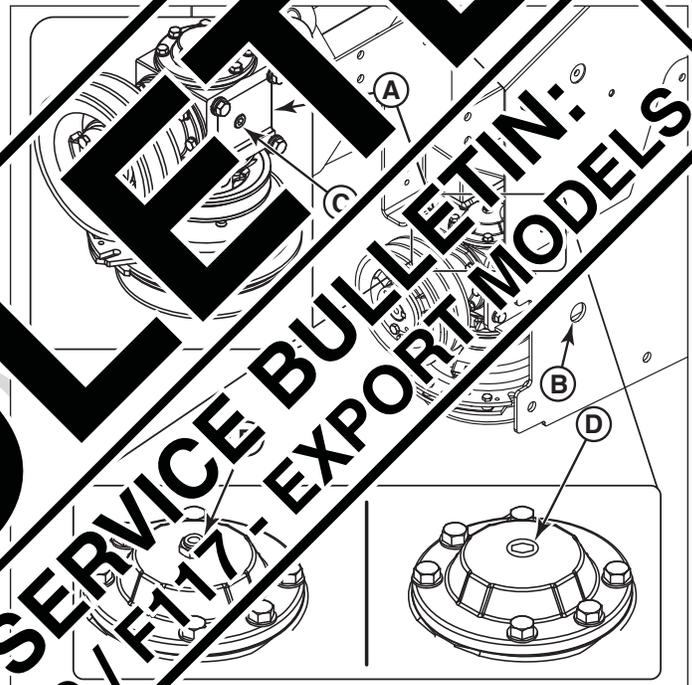


Figure 6. Installing the Gearbox Vent

17. Re-install the bumper (F, Figure 4) to the rear of the machine and secure in place using four (4) 1/2" X 1-1/4" bolts (A) and SAE washers (B) and 1/2" hex nylock flange nuts (G).
18. Re-install the rear main seal and housing (C, Figure 4), and the seal (if equipped) and secure in place using four (4) 8-16 X 1" bolts (A), and 3/8 SAE washers (B) and 3/8-16 hex nylock flange nuts (G). Also re-install the seal (if equipped) and the SAE washer (C).
19. Re-install the belt (D, Figure 5), using the three (3) 1/2" X 1" bolts (A) and 1/2" SAE washers (B).
20. Re-install the muffler shields (E, Figure 4) using the two (2) 1/4-20 X 1" bolts (A) and 1/4" SAE washers (B) and the 3/8-16 X 1" bolt (D), 3/8" SAE washer (E), and new 3/8-16 hex nylock flange nut (G).
21. Lower the hood and secure in place using the hood latches.