

## Series 1000 and 1500

- Ether-based starting fluids should not be used, and may void engine warranties if their use is detected.

### 9. MUFFLER REMOVAL

**NOTE:** There are a variety of mufflers on this series of tractor depending on the year and engine of the unit. This chapter will cover a few different mufflers to give you the basics of muffler removal on this series.

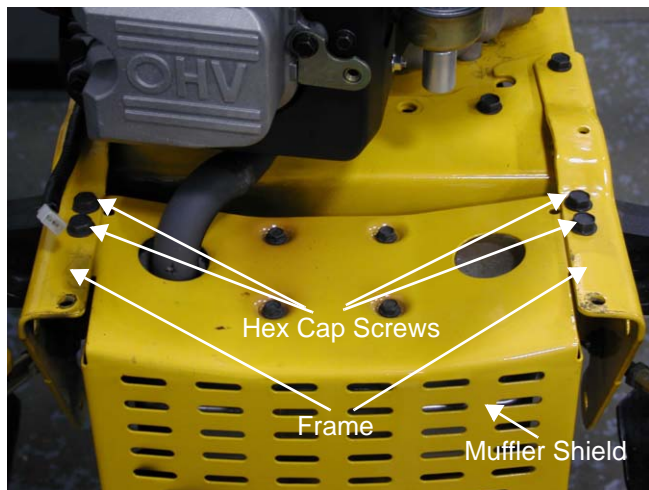
**NOTE:** For all tractors, remove the bumper first.

- **On units with side panels:**

9.1. Remove the hood, side panels and grill.

**NOTE:** Make sure to disconnect the headlight harness when you remove the grill and side panels.

9.2. Remove the self tapping hex cap screws securing the front frame assembly to the muffler shield and muffler using a 1/2" socket. See Figure 9.2.



**Figure 9.2**

9.3. Remove the muffler and guard.

**NOTE:** Muffler slides off of the exhaust pipe. It is NOT fastened to the pipe.

9.4. Remove the four screws in the top of the muffler guard. The muffler and muffler guard will now separate.

9.5. Reassemble in reverse order.

- **1000 Series with one piece hood.**

9.6. Remove hood as shown in section 2.

9.7. Remove both hinge brackets. See Figure 9.7.



**Figure 9.7**

9.8. Remove the four screws in the sides of the muffler guard. Slide the muffler and muffler guard off of the exhaust pipe(s). See Figure 9.8.



**Figure 9.8**

**NOTE:** You may have the tail pipe sticking out of the left side. If so slide the guard off of it first.

- 9.9. Remove the four screws going through the muffler support brackets into the muffler mounting bracket. See Figure 9.9.



Figure 9.9

- 9.10. The muffler will now slide off of the exhaust pipe(s).
- 9.11. Remove the screws in the muffler mounting brackets and lift the brackets off of the muffler.
- 9.12. Reassemble in reverse order.
- **1500 with one piece hood:**
- 9.13. Open hood.
- 9.14. Remove bumper
- 9.15. Remove the two clevis pins in the deck front stabilizer bracket.

- 9.16. Remove the four screws holding the muffler guard to the front muffler support brackets. See Figure 9.16.



Figure 9.16

**NOTE:** The rear two screws will be accessible from the top. the front two screws will be accessible from the bottom.

- 9.17. Slide the muffler and muffler guard off of the exhaust pipe(s).
- 9.18. Remove the four screws in the top of the muffler guard. Lift the muffler guard off of the muffler.
- 9.19. Reassemble in reverse order.

## 10. CUTTING DECK REMOVAL

- 10.1. Place the PTO switch in the off position.
- 10.2. Lower the lift lever to the lowest setting.