Form No. 3369-779 Rev A

Deck Lock Kit

Groundsmaster 4500-D/4700-D Traction Unit

Model No. 119-8633

Installation Instructions

Installation

1. Park the machine on a level surface, lower the cutting decks, apply the parking brake, switch off the engine and remove the ignition key.
2. Using the dimensions shown in Figure 1, locate mark and drill (2) .221 or .228 inch diameter holes (#1 or #2 drill size) in the traction unit frame tube. Only drill thru one wall of the tube.

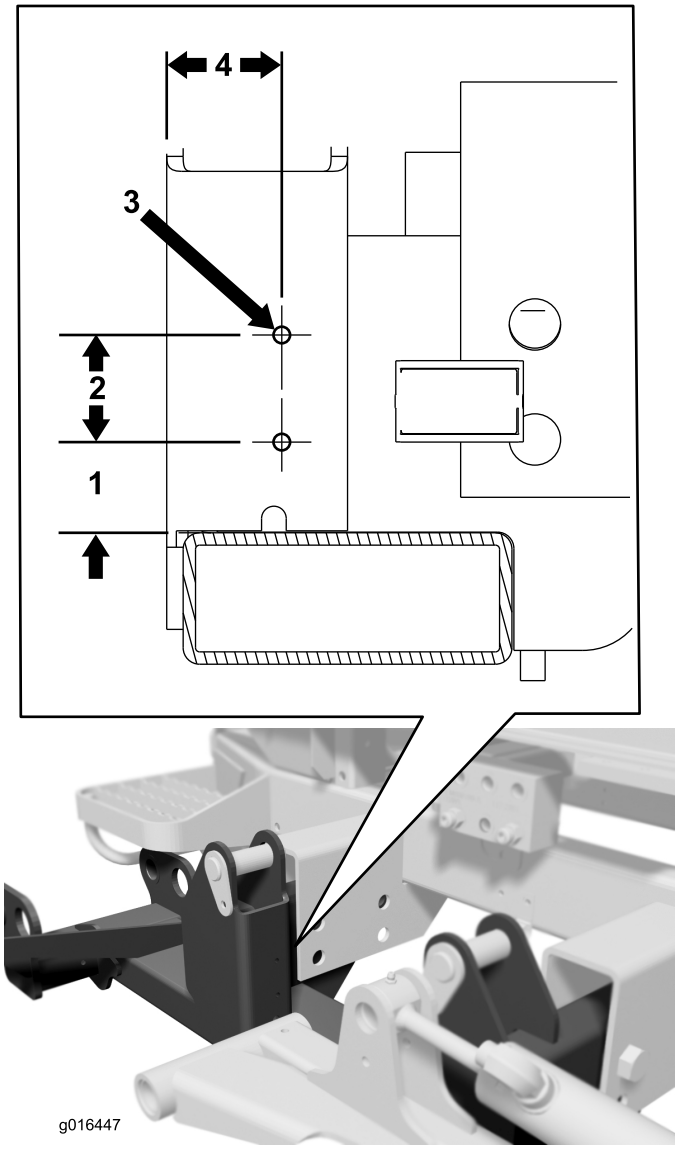


Figure 1

1. 1.38 inches
2. 1.63 inches
3. .221 or .228 inch diameter (2)
4. 1.75 Inches

3. Mount the deck lock manifold to the frame tube with (2) 1/4 x 1–3/4 inch self tapping screws. Position the manifold as shown in Figure 2.

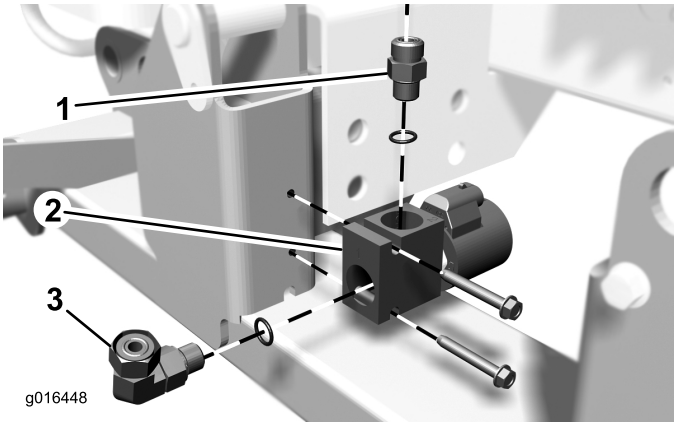


Figure 2

1. Straight hydraulic fitting
2. Deck lock manifold
3. 90 degree hydraulic fitting

4. Install the straight hydraulic fitting into the top of the manifold (Figure 2).
5. Install the 90 degree hydraulic fitting into the end of the manifold (Figure 2).
6. Place a drain pan under the junction manifold (Figure 3).
7. Disconnect the hydraulic hose from the **lower center** fitting on the junction manifold (Figure 3).
8. Remove the hydraulic fitting from the **lower center** port on the junction manifold (Figure 3).
9. Remove and discard the orifice from the hydraulic fitting (Figure 3). Reinstall the fitting to the lower center port on the junction manifold.

Note: Make sure all O-rings are in place and lubricated with hydraulic oil before installation.

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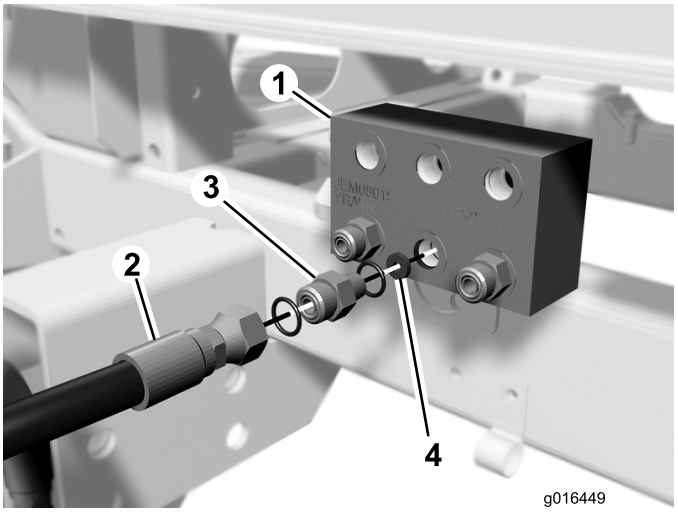


Figure 3

1. Junction manifold
2. Hydraulic hose
3. Hydraulic fitting
4. Orifice

10. Route and install the end of the hose disconnected from the junction manifold fitting to the top fitting on the deck lock manifold (Figure 4).

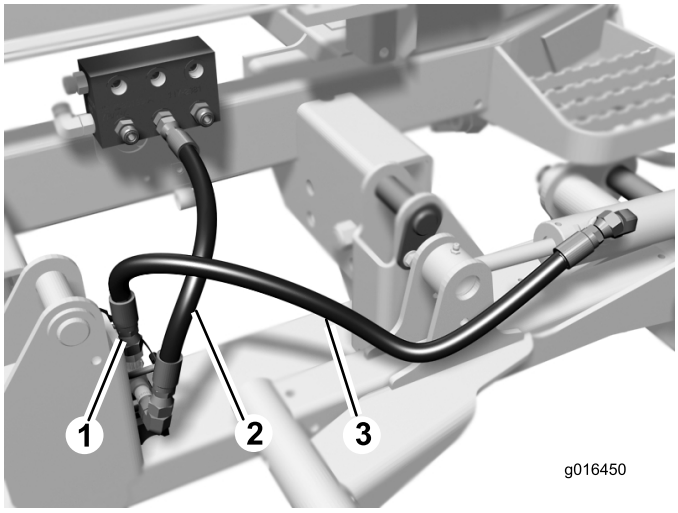


Figure 4

1. Deck lock manifold top fitting
2. Disconnected hose
3. New hose

11. Route and install the new hose to the junction manifold and deck lock manifold fittings (Figure 4).

    Important: Make sure the hose from the junction manifold to the deck lock manifold does not contact the number one lift arm.

12. Unlatch and raise the seat. Secure the seat with the prop rod.
13. Disconnect the electrical connector from the S5 solenoid on the lift manifold (Figure 5) and connect it to the connector on the deck lock harness labeled S5 HARNESS.

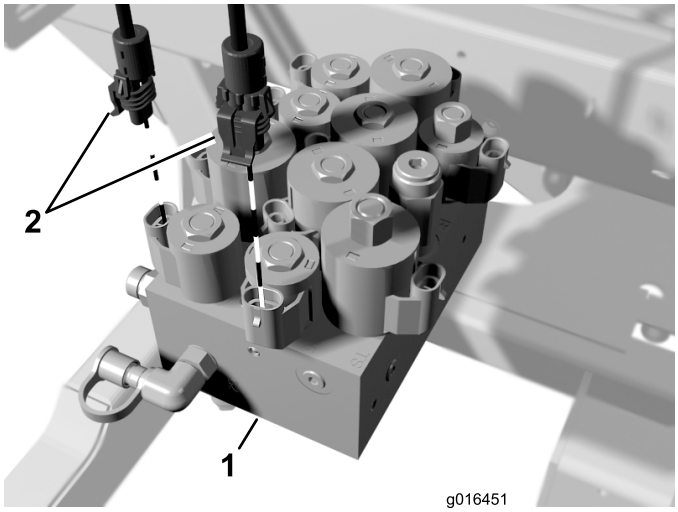


Figure 5

1. Lift manifold
2. Harness connectors

14. Plug the connector on the deck lock harness labeled S5 SOLENOID to the S5 solenoid on the lift manifold (Figure 5).
15. Disconnect the electrical connector from the S6 solenoid on the lift manifold (Figure 5) and plug it to the connector on the deck lock harness labeled S6 harness.
16. Plug the connector on the deck lock harness labeled S6 SOLENOID to the S6 solenoid on the lift manifold.
17. Route and plug the connector on the deck lock harness labeled DECK LOCK SOLENOID to the solenoid on the rear of the deck lock manifold.
18. Secure the harness away from sharp, hot or moving components with cable ties.
19. Disengage the seat prop and lower the seat.