Form No. 3366-175 Rev A

John Deere ProGator™ Chassis Mount Kit

ProPass-200 Top Dresser

Model No. 44714

Installation Instructions

Safety

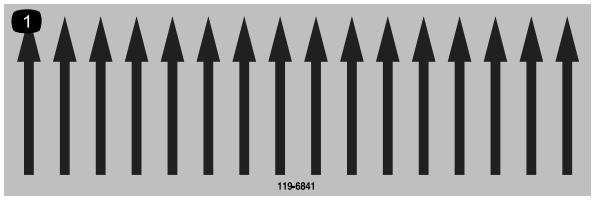
Safety and Instructional Decals

Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.



119-6840

1. Tipping hazard, loss of control—do not raise the hopper when filled; do not drive the vehicle while hopper is raised. Raise the hopper when empty only; always lower the hopper completely before driving the vehicle.



119-6841

1. Directional arrows

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CE

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Installation

1. Remove the cargo box from the John Deere ProGator. Refer to the ProGator Operator Manual.
2. Mount the left and right inner brace tubes to the inside of the rear cross member brackets with (2) 3/8 x 1-1/4 inch bolts and 3/8 inch lock nuts, positioning as shown in Figure 1.

   Note: There is a left inner brace tube and a right inner brace tube

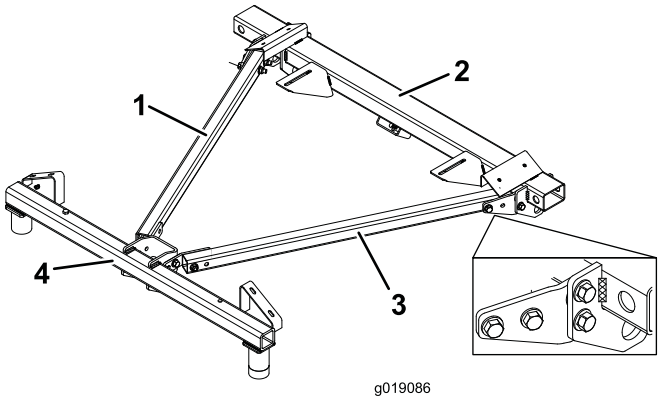


Figure 1

1. Right inner brace tube
2. Rear cross member
3. Left inner brace tube
4. Center cross member

3. Loosely install the front of the inner brace tubes to the brackets on the center cross member with (2) 3/8 x 1-1/4 inch bolts and 3/8 inch lock nuts (Figure 1).
4. Carefully set the assembly onto the vehicle frame aligning the rear cross member pivot holes with the holes in the rear frame channel.
5. Secure each end of the rear cross member to the frame channels with the John Deere cargo box mounting pins previously removed (Figure 2).

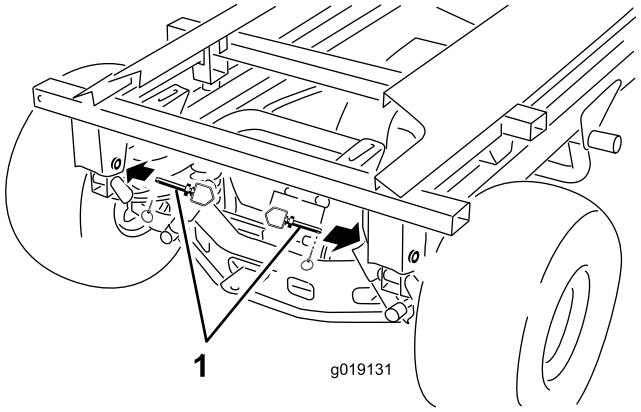


Figure 2

1. John Deere cargo box mounting pins

6. Secure the center cross member to the lift cylinder using the John Deere lift cylinder pin (Figure 3).

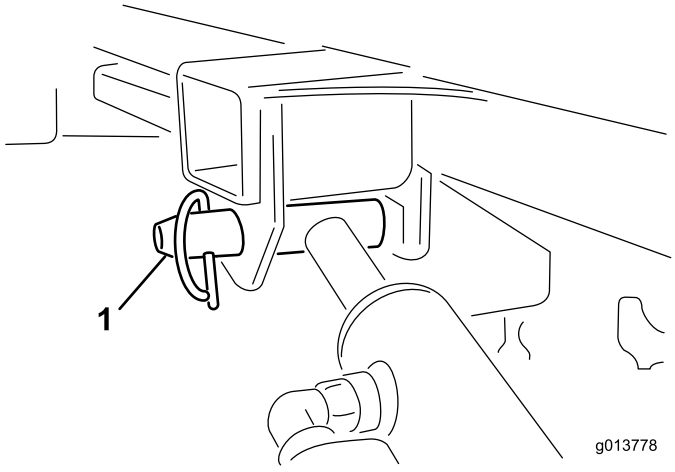


Figure 3

1. Existing clevis pins and lynch pins

7. Ensure that the center cross member is square to the rear cross member.
8. Ensure that the center cross member and the rear cross member are sitting level (Figure 4).

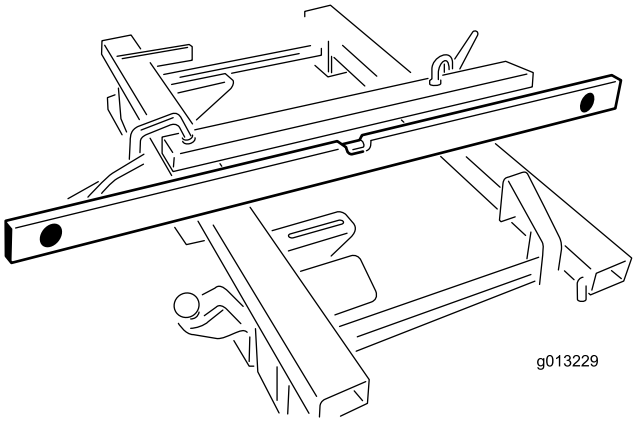


Figure 4

9. Tighten the bolts securing the inner brace tubes to the center and rear cross members.
10. Recheck that the center cross member and the rear cross member are sitting level and are square.
11. Check to ensure that there are ten mounting holes on the left side mounting channel and nine holes on the right side mounting channel of the ProPass.

    Important: It may be necessary to move the hydraulic lift cylinder forward until the bolt holes for the inner cross member line up.

12. Attach a lifting device to the lifting bracket bolted inside the hopper assembly (Figure 5).

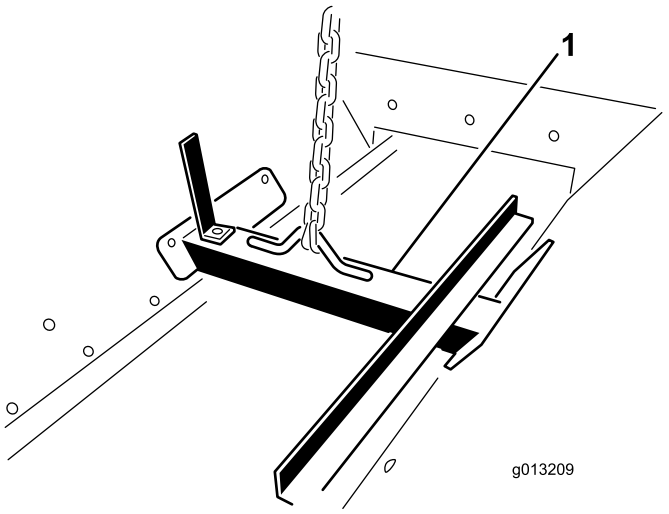


Figure 5

1. Lifting bracket

13. Using the temporary lifting device, lift the ProPass up high enough to back the ProGator underneath.
14. Lower the ProPass down onto the ProGator and line up the middle holes that measure 26-3/4 inches (67.9 cm) from the front of each side rail of the ProPass with the holes of the center cross member.
15. Secure the ProPass to the rear and center cross members (6 locations) with (2) 5/16 x 3 inch bolts, .344 I.D. flat washers and flange lock nuts and (4) 5/16 x 1-1/4 inch bolts, .344 I.D. flat washers and flange lock nuts (Figure 6).

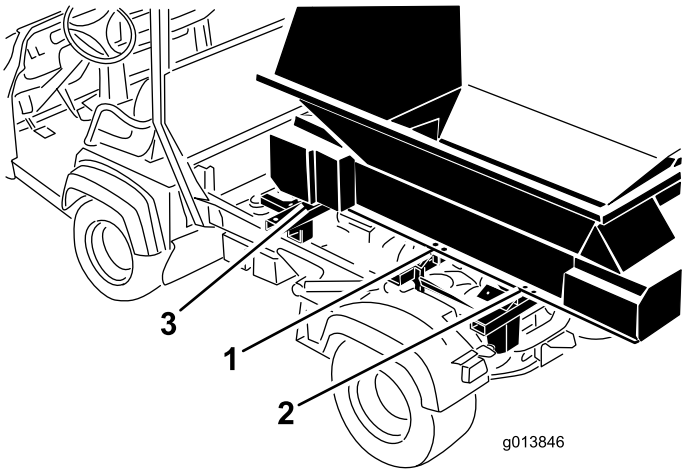


Figure 6
(Left side shown)

1. Center cross member
2. Rear cross member
3. Front cross member

16. Using the vehicle lift cylinder, lift the ProPass up 2 inches (5 cm) to install the front cross member.
17. Secure each side of the ProPass to the front cross member with (2) 5/16 x 3 inch bolts, .344 I.D. flat washers and flange lock nuts (Figure 6).

    Note: To ease the assembly of the front bolts, the drive guards may be removed or the mounting bolts may be installed from the bottom up.
18. Mount the left side shield to the left end of the cross members with (5) 1/4 x 5/8 inch flange head bolts and flange lock nuts (Figure 7).

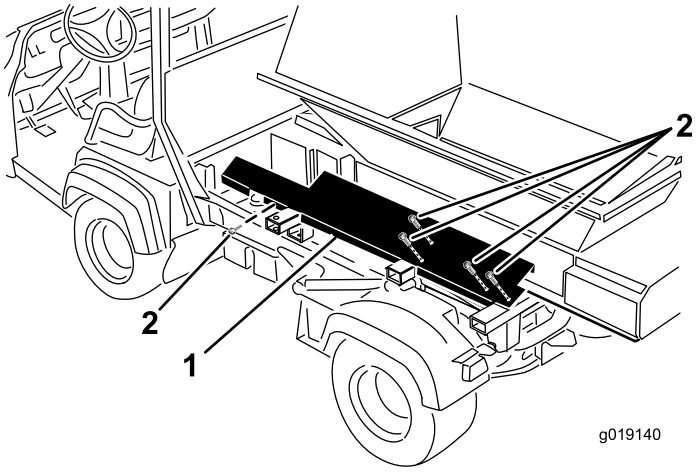


Figure 7

1. Left side shield
2. Mounting fasteners

19. Mount the right side shield to the right end of the cross members with (5) 1/4 x 3/4 inch flange head bolts and flange lock nuts (Figure 8).

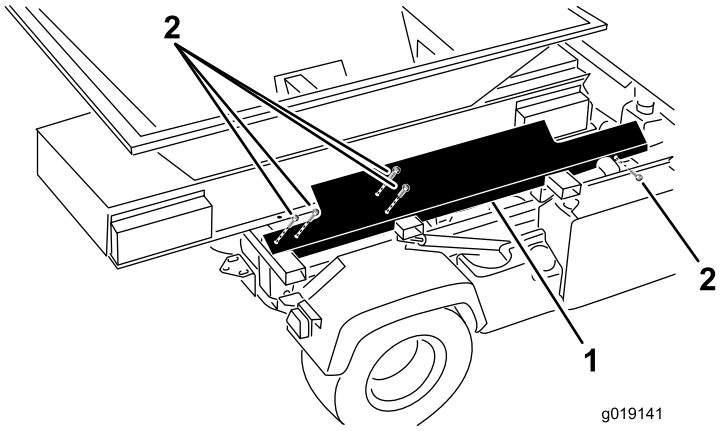


Figure 8

1. Right side shield
2. Mounting fasteners

20. Route the option hoses (spinner & conveyor) through the rear of the right side shield and down to the option (Figure 9).

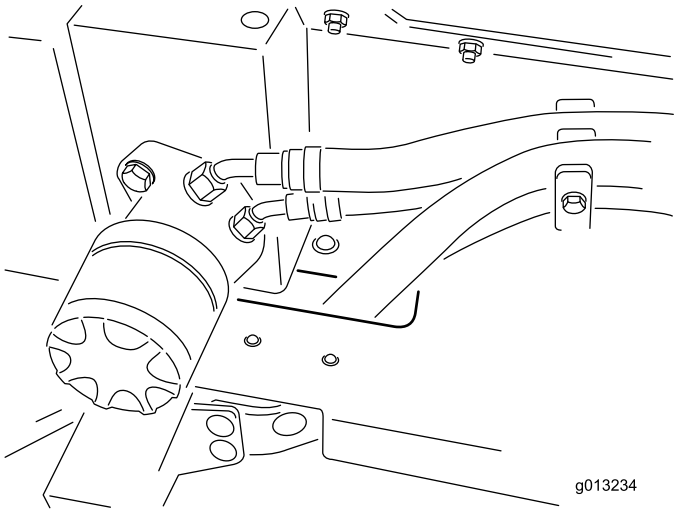


Figure 9

1. Routing option hoses

21. Lift the front of the ProPass up as high as possible using the lift cylinder. Install the lift cylinder safety brace as per the instructions in the ProGator Operator's Manual.

⚠ CAUTION

Do not raise the ProPass, with the ProGator hydraulic lift cylinder, when an option is attached to the ProPass.

22. Identify the return hose (marked with a flow direction decal) and the pressure hose included with the kit.
23. On model 44701 only, remove the fasteners securing the cover to the front of the ProPass and set the cover aside (Figure 10).

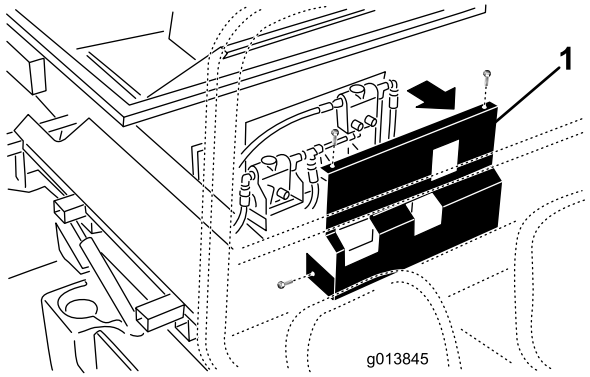


Figure 10

1. Cover

24. Remove the plugs from the fittings on the return and pressure ports on the ProPass as shown in Figure 11 or the Wireless ProPass as shown in Figure 12. Retain the plugs for future use.
25. Connect the hoses to the ProPass as shown in Figure 11 or the Wireless ProPass as shown in Figure 12.

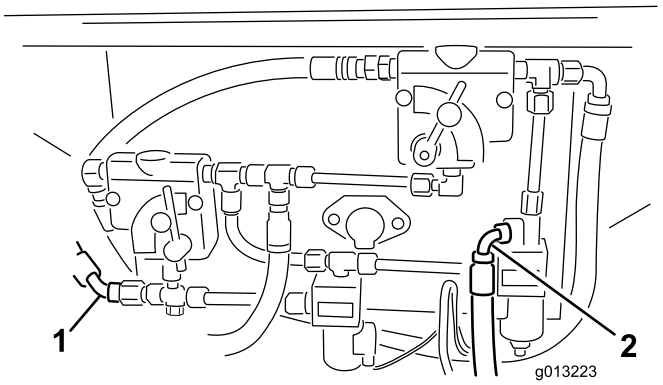


Figure 11

1. Pressure hose (45 degree fitting)
2. Return hose (90 degree fitting)

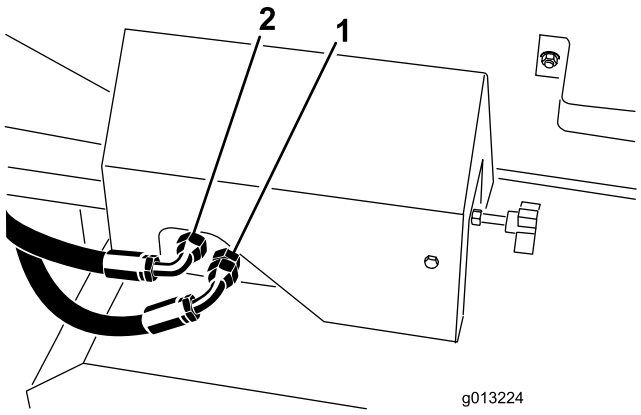


Figure 12

1. Pressure hose (45 degree fitting)
2. Return hose (90 degree fitting)

26. On model 44701 only, reinstall the cover to the front of the ProPass.
27. Route the hydraulic pressure and return hoses along the right side of the ProPass. Clamp the hoses in place using hose clamps on the front, center and rear cross members. Use a 1/4 x 2-1/2 inch bolt, two hydraulic line clamps, one clamp plate, one washer and a flange lock nut (Figure 13 and Figure 14).

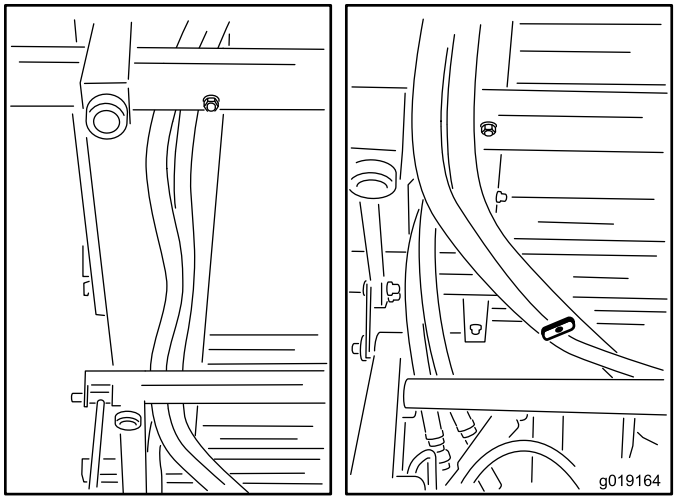


Figure 13

1. Routing hydraulic hoses

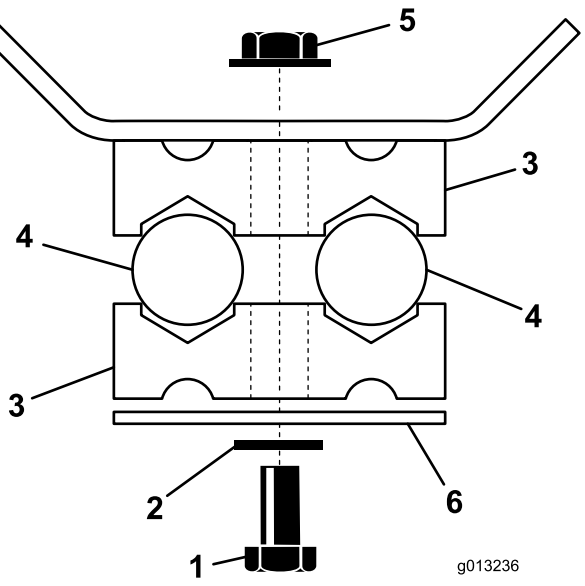


Figure 14

1. Bolt, 1/4 x 2–1/2 inch
2. Washer
3. Tube clamp
4. Hydraulic hose
5. Flange lock nut, 1/4 inch
6. Clamp plate

Important: When routing either the hydraulic hoses or the electrical wiring harness always make sure to route them away from of all hot, sharp or moving components and always ensure that there is no stress on the line. This may require loosening and repositioning the hydraulic hose at the front bulkhead.

28. Between the front and center hose clamps ensure that the hose bends upwards to clear any components. To do this, install 2 cable ties around the pressure and return hoses and attach it to one of the ProPass' side rail mounting holes (Figure 15).

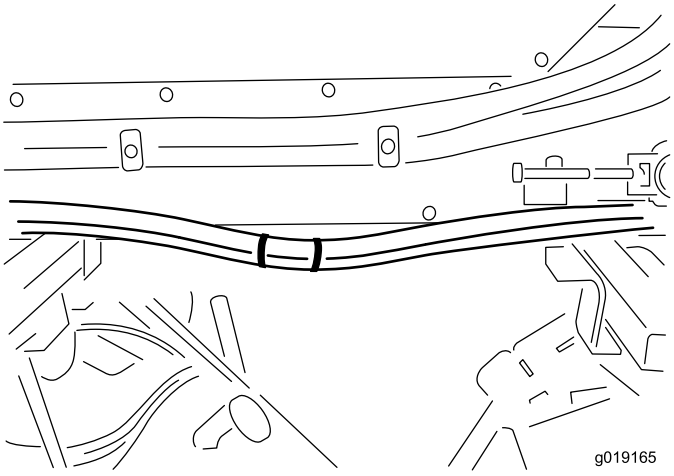


Figure 15

1. Ensure proper tension of hydraulic hoses

29. Connect the pressure and return hoses to the proper hydraulic ports at the rear of the ProGator.
30. Route and connect the electrical connections. Refer to the ProPass Operators Manual for the information on the electrical connections.

    Note: If the electrical connection is installed near the battery of the vehicle, make sure to route the electrical power cord from the ProPass to the back of the vehicle, at the pivot location, then forward to the battery.

    Note: If the electrical connection is installed at the rear of the tow vehicle, route and secure the electrical power cord to the hydraulic pressure and return hoses from the front to the rear of the ProPass.
31. Remove the lift cylinder safety bar from the vehicle and lower the ProPass back down onto the chassis of the ProGator.
32. Install the option and connect the hydraulic hoses to the ProPass.

    Note: Ensure that the pressure and return hoses are attached to the rear of the ProGator and do not come in contact with the option.
33. Using the curved clamp end of the wireless mounting assembly, loosely secure it to the left end of the hand hold tube with (4) bolts and nuts shipped with the assembly. Position the bracket as shown in (Figure 16).

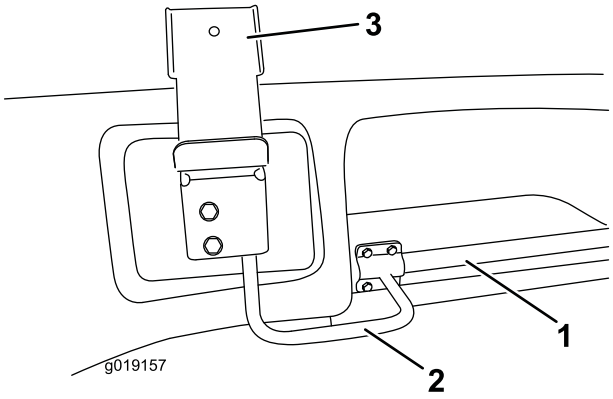


Figure 16

1. Hand hold tube
2. Wireless mounting assembly
3. Controller mount

34. Secure the controller mount to the wireless mounting assembly with (2) bolts, washers and nuts shipped with the assembly. Position the controller mount as shown in (Figure 16).
35. Adjust the assembly to the desired location and tighten the mounting fasteners.
36. Connect the controller and then place it in the controller mount.
37. Remove the lifting bracket from the inside of the hopper assembly and reinstall the lifting bracket fasteners to the hopper.

Notes:



Count on it.