Form No. 3405-580 Rev A

Sliding Offset Kit

Centerline Trencher, RT600 Traction Unit

Model No. 25204

Model No. 25204E

Installation Instructions

Safety

⚠ WARNING

CALIFORNIA
Proposition 65 Warning

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects, or reproductive harm.

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.

125-6107

1. Crushing hazard of hand and foot—keep hands and feet away.

125-6690

1. Whole body crushing hazard—keep away from the machine when in operation.

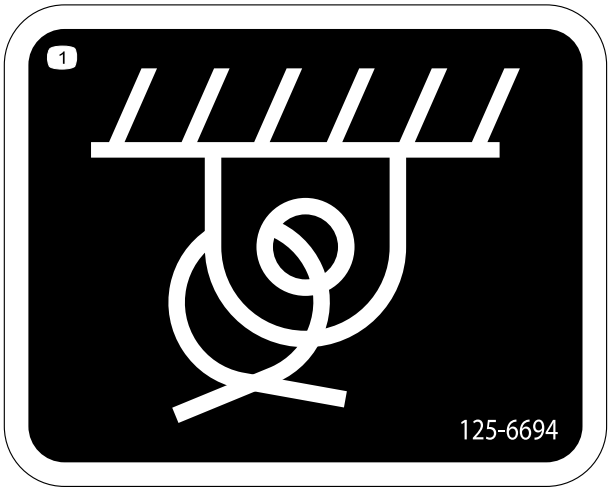
8111 Lyndale Avenue South
Bloomington, MN 55420

Register at www.Toro.com.

CE

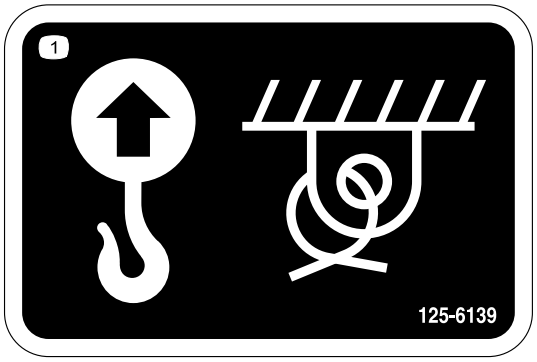
Original Instructions (EN)
Printed in the USA

3405-580 A



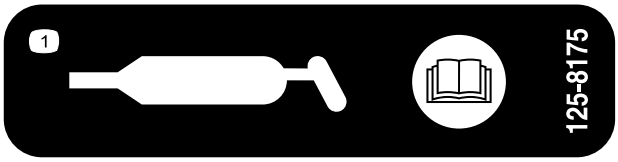
125-6694

1. Tie-down point



125-6139

1. Lift point and tie-down point



125-8175

1. Read the *Operator's Manual* for information on greasing the machine.

Installation

Loose Parts

Use the chart below to verify that all parts have been shipped.

Procedure	Description	Qty.	Use
1	No parts required	–	Prepare the machine.
2	Bolt (3/4 x 3 1/2 inch) Bolt (3/4 x 4 inch) Washer Locknut Retaining ring Clevis pin Upper spacer plate Upper middle spacer plate (with grease fittings) Retainer plate Lower middle spacer plate (with grease fittings) Lower spacer plate	10 2 23 12 2 1 1 1 2 1 1	Install the sliding offset attachment.
3	Large 90-degree fitting Small 90-degree fitting	1 1	Install the hydraulic cylinder hoses.
4	46-inch hydraulic hose Cable ite	2 1	Install the trencher hydraulic hoses.
5	50-inch hydraulic hose (F16 fitting) 50-inch hydraulic hose (F12 fitting) 46-inch hydraulic hose Reducer adapter Adapter Cable tie	1 1 1 1 1 1	Install the trencher motor hydraulic hoses.

Model 25445 is required for installing and using this kit.

1

Preparing the Machine

No Parts Required

Procedure

1. Move the machine to a level surface.

   Note: Ensure that the front wheels of the machine are straight.

2. Set the parking brake, shut off the engine, and remove the key from the key switch.
3. Remove the trencher attachment; refer to the *Operator's Manual* for your trencher.
4. Rotate the battery-disconnect switch to the OFF position; refer to the *Operator's Manual*.

Important: Ensure that the lifting equipment has a lifting capacity of at least 405 kg (893 lb).

2

Installing the Sliding Offset Attachment

Parts needed for this procedure:

10	Bolt (3/4 x 3 1/2 inch)
2	Bolt (3/4 x 4 inch)
23	Washer
12	Locknut
2	Retaining ring
1	Clevis pin
1	Upper spacer plate
1	Upper middle spacer plate (with grease fittings)
2	Retainer plate
1	Lower middle spacer plate (with grease fittings)
1	Lower spacer plate

Procedure

Important: Ensure that the lifting equipment has a lifting capacity of at least 405 kg (893 lb).

1. Raise the sliding offset attachment off the floor using lifting equipment.
2. Locate the 2 rows of holes in the mounting plate that you will use to secure the attachment to the machine (Box A of Figure 1).

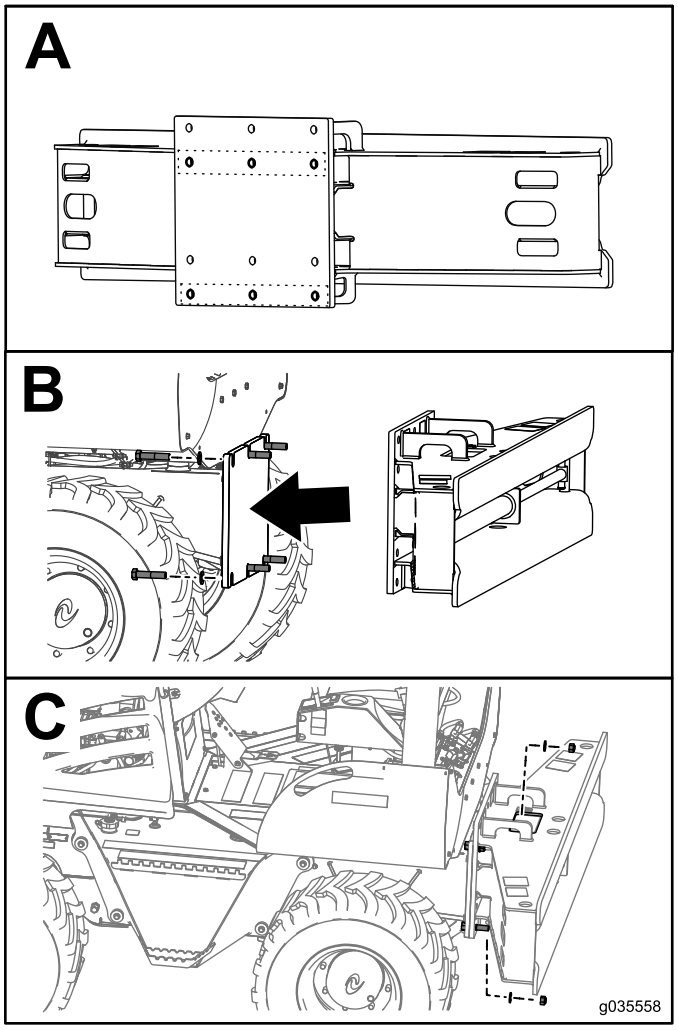


Figure 1

3. Secure the sliding offset frame onto the machine using 6 bolts (3/4 x 3 1/2 inch), 12 washers, and 6 locknuts as shown in Box B and Box C of Figure 1.
4. Torque the bolts to 456 to 560 N·m (337 to 413 ft-lb).
5. Spread some grease on the right side of the attachment frame as shown in Figure 2.

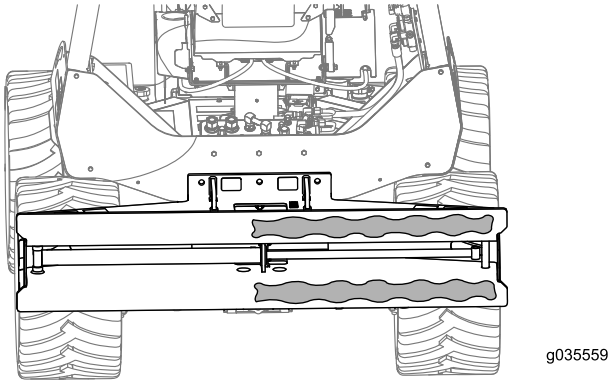


Figure 2

6. Secure the slide mount plate to the cylinder using the clevis pin and 2 retaining rings as shown in Figure 3.

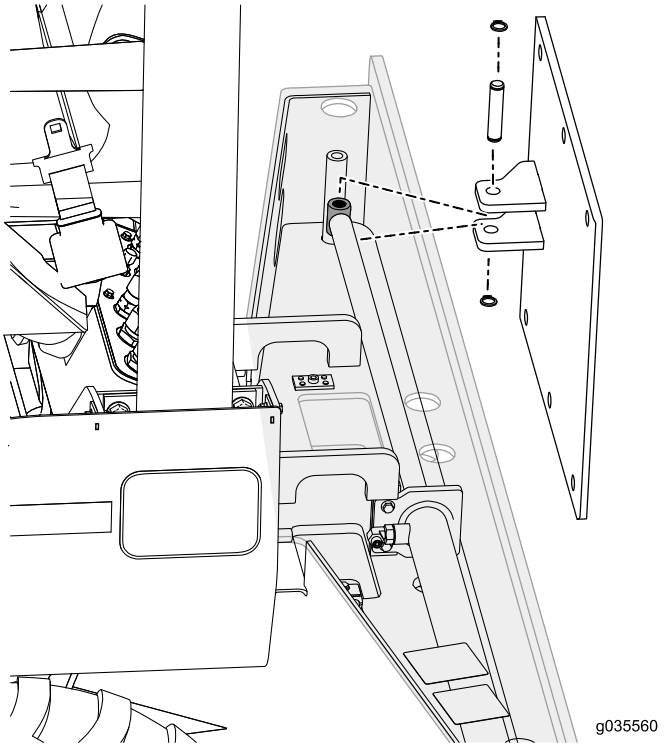


Figure 3

7. Place the upper and lower spacer plates on the slide mount plate holding them in place with the 2 bolts (3/4 x 4 inch) and 2 washers as shown in Figure 4.

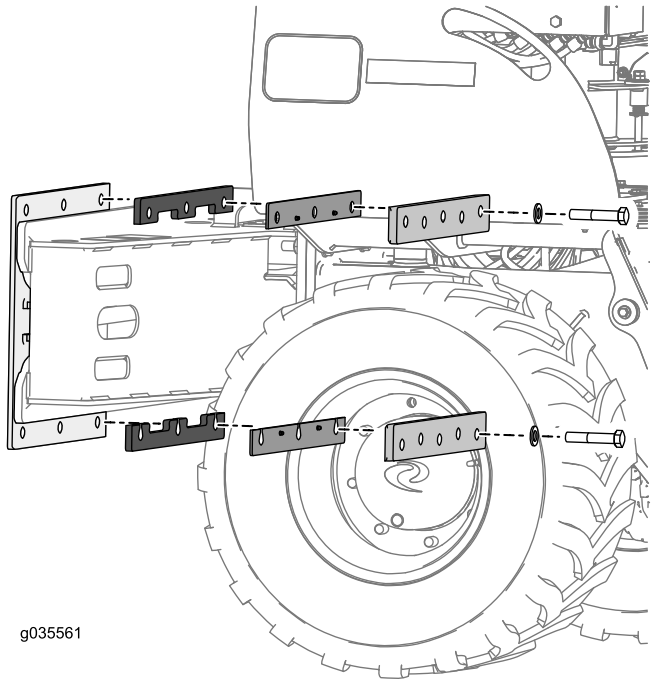


Figure 4

8. Raise the trencher attachment off the floor using lifting equipment.

   Important: Ensure that the lifting equipment has a lifting capacity of at least 405 kg (893 lb).

9. Locate the 2 rows of holes in the mounting plate that you will use to secure the attachment to the sliding offset attachment.
10. Lower the trencher attachment until it is aligned with the slide mount assembly.

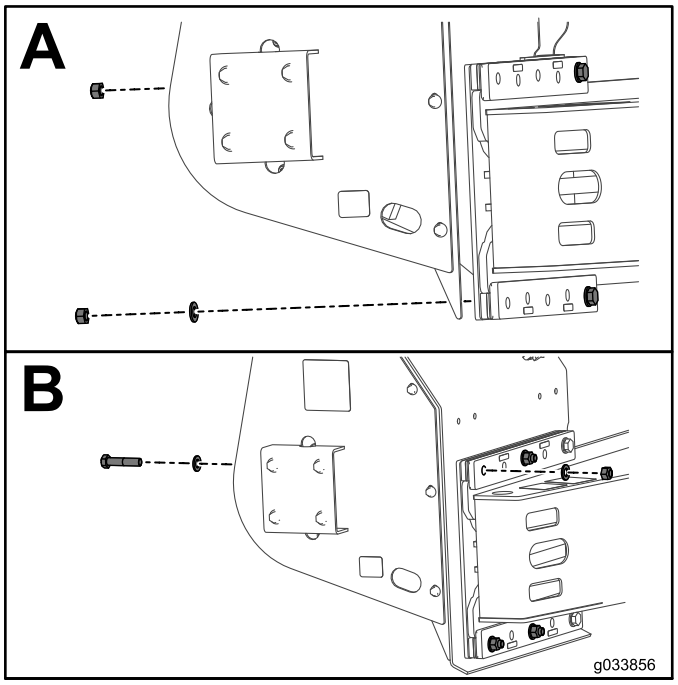


Figure 5

11. Secure the top bolt with a locknut as shown in Box A of Figure 5.
12. Secure the bottom bolt with a washer and a locknut as shown in Box Aof Figure 5.
13. Torque the bolts to 456 to 560 N·m (337 to 413 ft-lb).
14. Place 4 bolts (3/4 x 3 1/2 inch) and 4 washers through the trencher attachment onto the slide mount and secure with 4 washers and 4 locknuts (Box B of Figure 2).
15. Torque the bolts to 456 to 560 N·m (337 to 413 ft-lb).

3

Installing the Hydraulic Cylinder Hoses

Parts needed for this procedure:

1	Large 90-degree fitting
1	Small 90-degree fitting

Procedure

1. Install the larger fitting and O-ring onto the top center port on the hydraulic valve as shown in Box A of Figure 6.

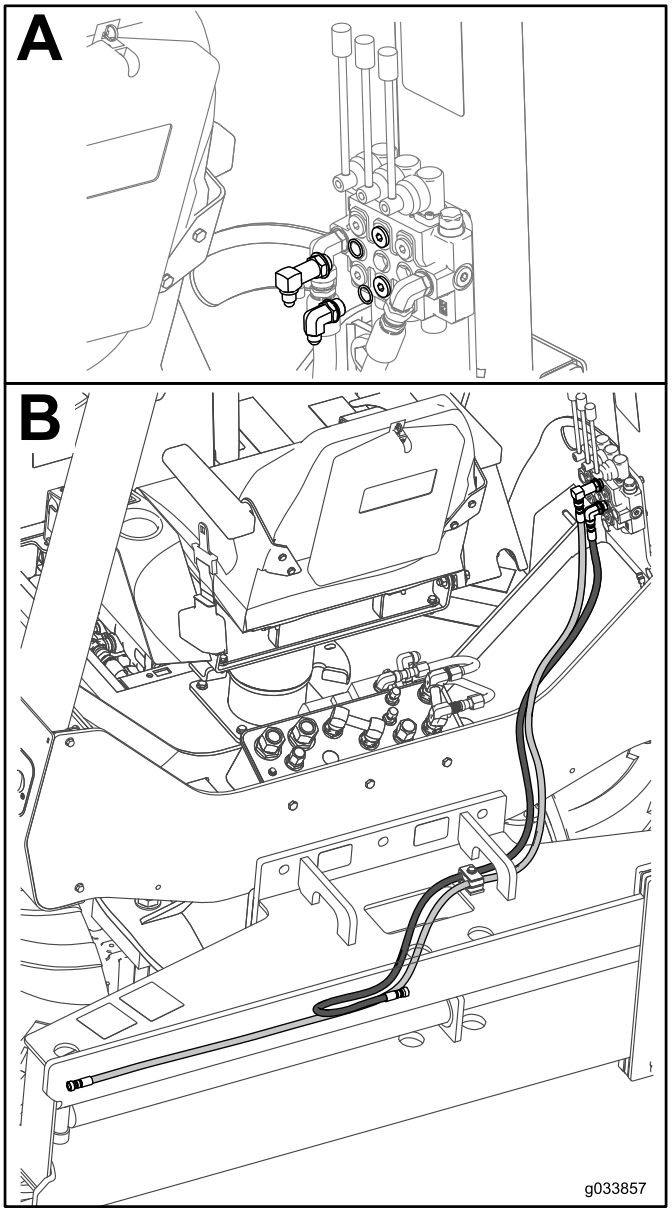


Figure 6

2. Install the smaller elbow fitting and O-ring onto the bottom center port on the hydraulic valve as shown in Box A of Figure 6.
3. Install the hose that is coming from the center of the hydraulic cylinder to the bottom 90-degree fitting as shown in Box B of Figure 6.
4. Install the hose that is coming from the end of the hydraulic cylinder to the top 90-degree fitting as shown in Box B of Figure 6.

4

Installing the Trencher Hydraulic Hoses

Parts needed for this procedure:

2	46-inch hydraulic hose
1	Cable ite

Procedure

1. Install the trencher hydraulic hoses as shown in Figure 7.

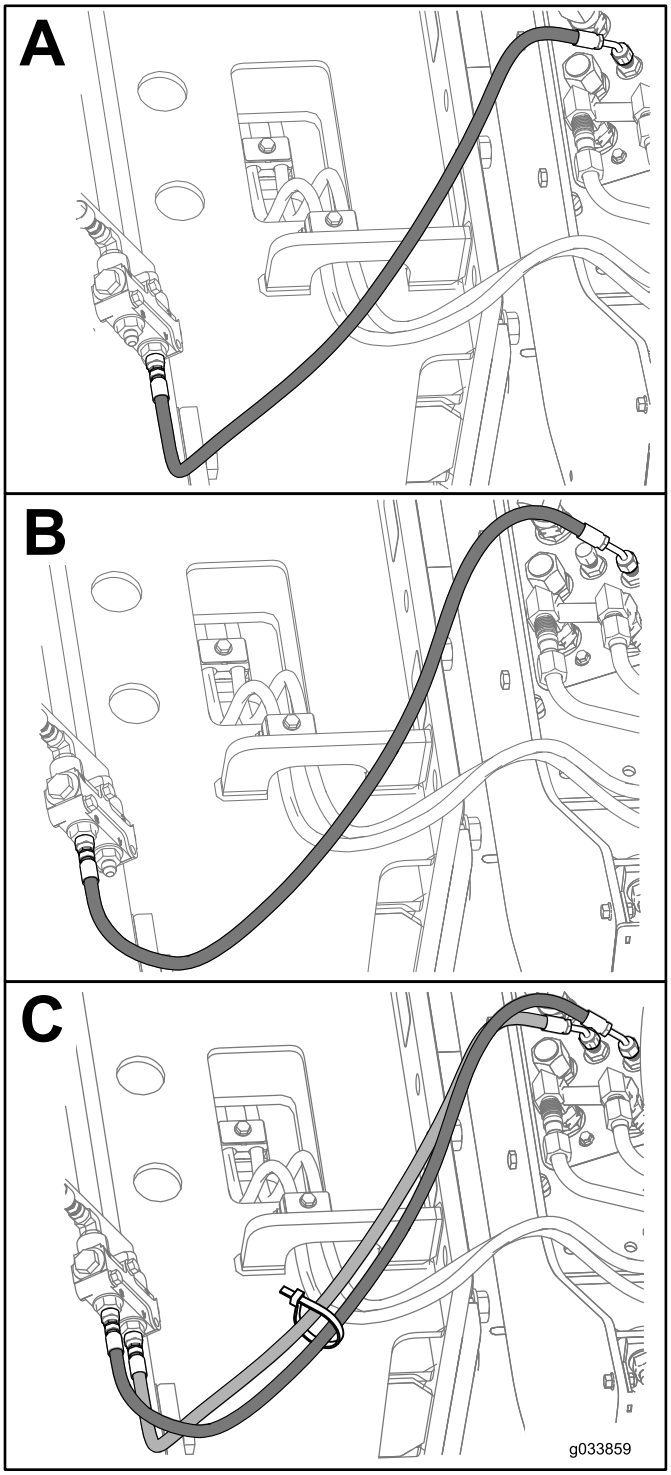


Figure 7

2. Ensure that the fittings on the hydraulic attachment panel are installed as shown in Figure 8.
   - The top fitting at a 60-degree angle
   - The lower fitting at a 90-degree angle

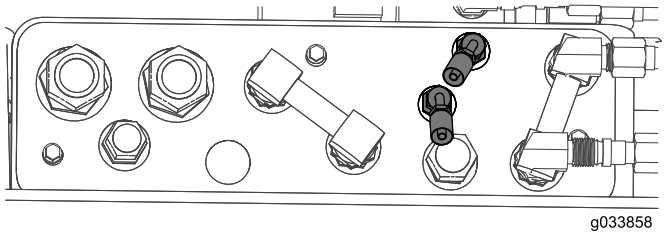


Figure 8

3. Torque the fittings to 20 to 28 N·m (15 to 21 ft-lb).

5

Installing Trencher Motor Hydraulic Hoses

Parts needed for this procedure:

1	50-inch hydraulic hose (F16 fitting)
1	50-inch hydraulic hose (F12 fitting)
1	46-inch hydraulic hose
1	Reducer adapter
1	Adapter
1	Cable tie

Installing the Hydraulic Hoses for the Heavy-Duty Trencher

Use Figure 9 for the fitting position.

- F16 fitting at a 108-degree angle
- F12 fitting at a 90-degree angle

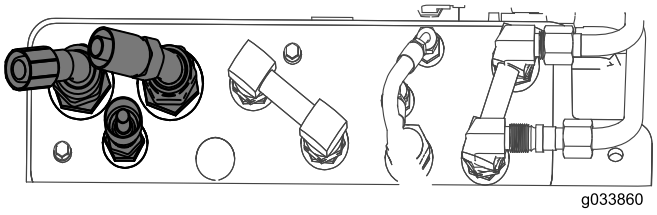


Figure 9

1. Install the 50-inch hose with the F16 fitting as shown in Box A of Figure 10.

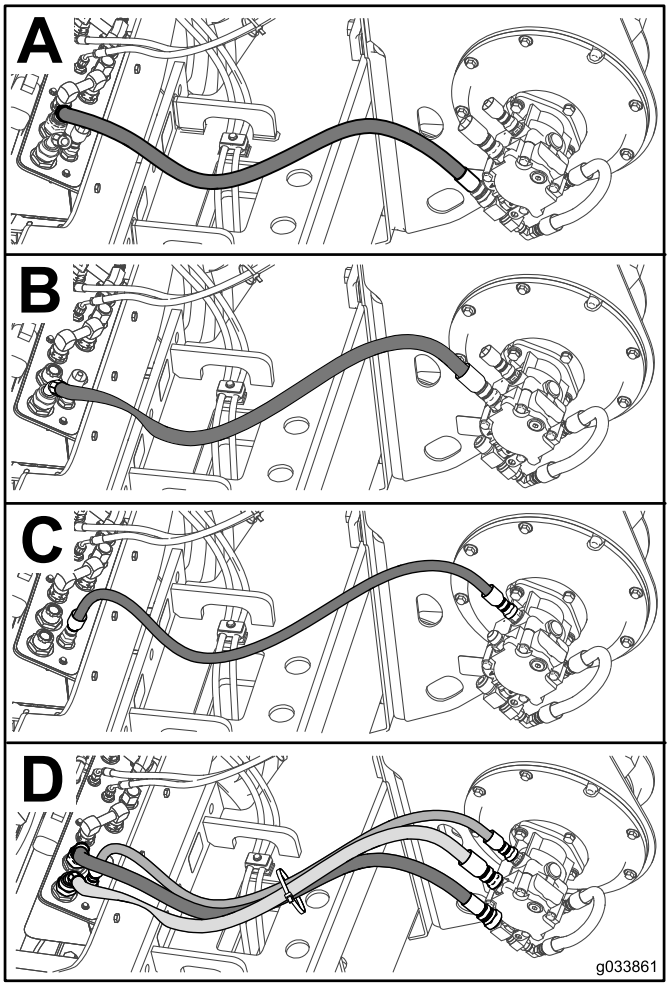


Figure 10

2. Torque the fitting on the hydraulic attachment panel to 149 to 184 N·m (110 to 136 ft-lb).
3. Torque the fitting on the trencher hydraulic motor to 122 to 149 N·m (90 to 110 ft-lb).
4. Install the other 50-inch hose with the F12 fitting as shown in Box B of Figure 10.
5. Torque the fitting on the hydraulic attachment panel to 149 to 184 N·m (110 to 136 ft-lb).
6. Torque the fitting on the trencher hydraulic motor to 89 to 111 N·m (66 to 82 ft-lb).
7. Install the 46-inch hose as shown in Box C of Figure 10.
8. Torque the fitting on the hydraulic attachment panel to 58 to 72 N·m (43 to 53 ft-lb).
9. Torque the fitting on the trencher hydraulic motor to 58 to 72 N·m (43 to 53 ft-lb).
10. Secure the hoses with a cable tie (Box D of Figure 10).

Installing the Hydraulic Hoses for the Direct-Drive Trencher

Use Figure 11 for the fitting position.

- F16 fitting at a 108-degree angle
- F12 fitting at a 90-degree angle

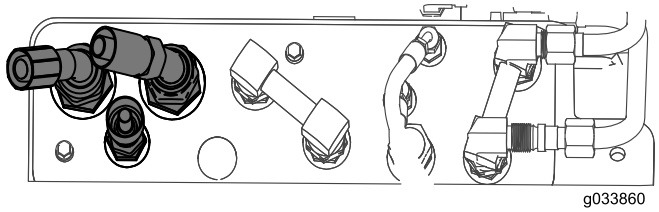


Figure 11

1. Install the 50-inch hose with the F12 fitting as shown in Box A of Figure 12.

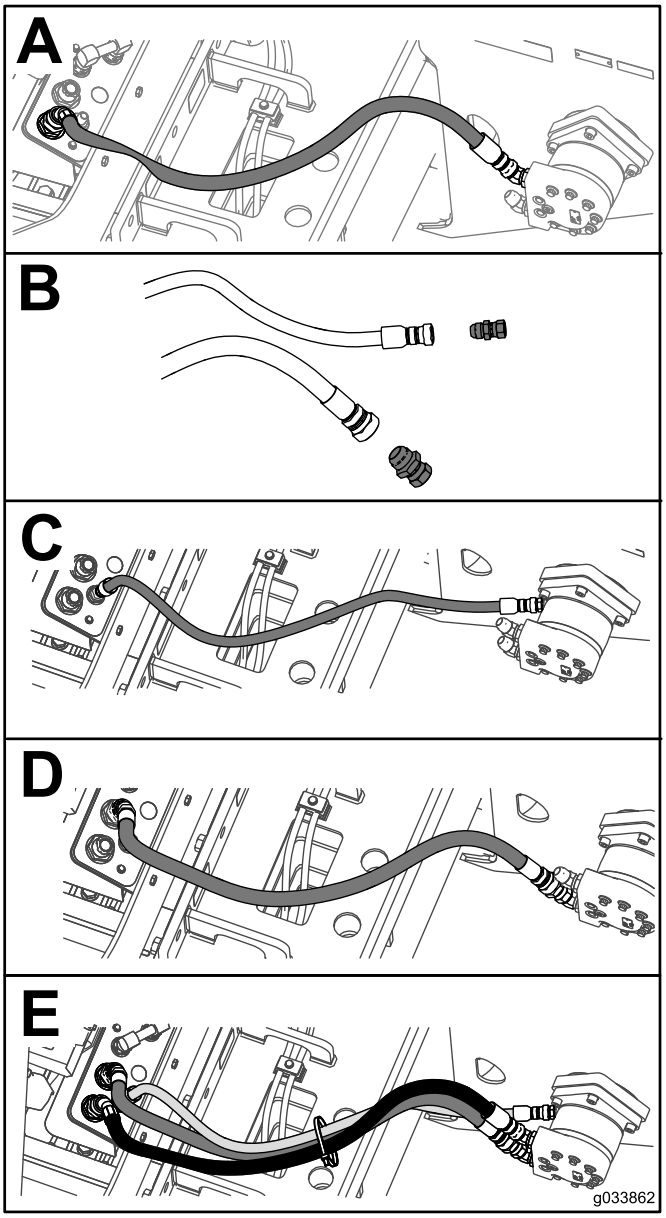


Figure 12

2. Torque the fitting on the hydraulic attachment panel to 149 to 184 N·m (110 to 136 ft-lb).
3. Torque the fitting on the trencher hydraulic motor to 89 to 111 N·m (66 to 82 ft-lb).
4. Install the reducer adapter to the 50-inch hose with the F16 fitting as shown in Box B of Figure 12.
5. Torque the fitting to 89 to 110 N·m (66 to 82 ft-lb).
6. Install the other adapter to the 46-inch hose as shown in Box B of Figure 12.
7. Torque the fitting to 45 to 56 N·m (33 to 41 ft-lb).
8. Install the other 50-inch hose with the F16 fitting as shown in Box C of Figure 12.
9. Torque the fitting on the hydraulic attachment panel to 149 to 184 N·m (110 to 136 ft-lb).

10. Torque the fitting on the trencher hydraulic motor to 122 to 149 N·m (90 to 110 ft-lb).
11. Install the 46-inch hose as shown in Box D of Figure 12.
12. Torque the fitting on the hydraulic attachment panel to 58 to 72 N·m (43 to 53 ft-lb).
13. Torque the fitting on the trencher hydraulic motor to 58 to 72 N·m (43 to 53 ft-lb).
14. Secure the hoses with a cable tie (Box E of Figure 12).

Operation

Using the Sliding Offset Kit

Refer to the decal installed with kit Model 25445 and Figure 14.

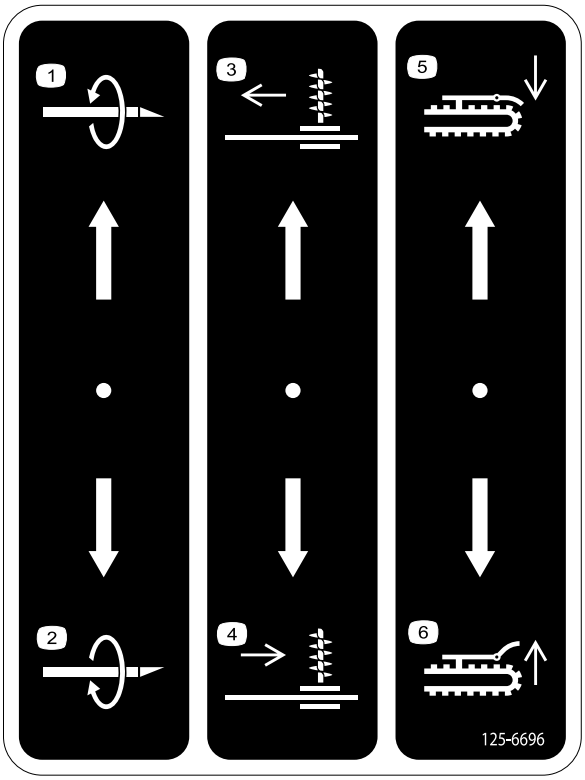


Figure 13

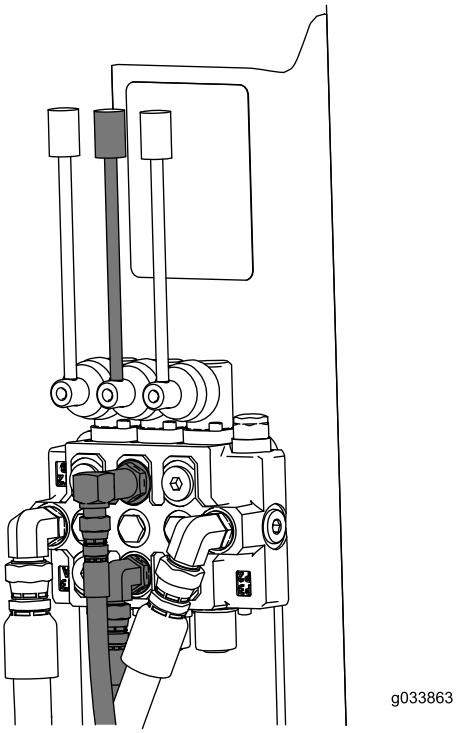


Figure 14

Maintenance

Greasing the Slider Frame

Service Interval: Every 50 hours

Grease Type: Lithium-based grease.

Lower the attachment to the ground to ensure that the grease flows into the fittings properly.

Clean the grease fittings with a rag.

Connect the grease gun to the grease fittings for the upper and lower pivots; apply 2 or 3 pumps of grease to each fitting (Figure 15).

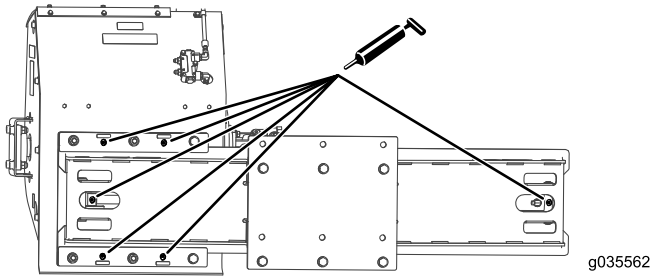


Figure 15
6 grease fittings

Count on it.