Form No. 3355–226 Rev A

Parking Brake Kit

Groundsmaster 580–D Model 30581

Part No. 110–3250

Installation Instructions

Initial Preparation

1. Unlatch, raise and secure the hood with the prop rod. Unlatch and remove the left side panel.
2. Remove the capscrews securing the battery tray and slide the tray out.
3. Remove the negative (–) battery cable connections from both batteries.

Warning

Wear safety goggles and rubber gloves when working with batteries. Since the gases are explosive, keep open flames and electrical spark away from batteries. Do not smoke.

Remove Old Parking Brake Components

1. Remove the front cover of the steering tower (Fig. 1).

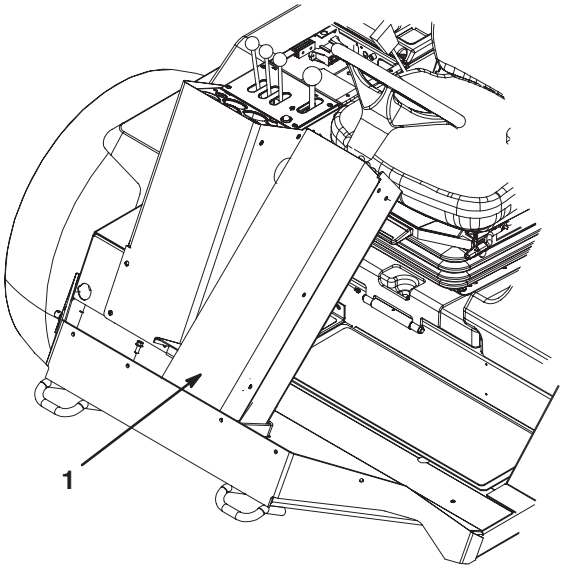


Figure 1

1. Front cover of steering tower

2. Remove the cotter pin and washers securing the parking brake latch rod to the brake pawl (Fig. 2).

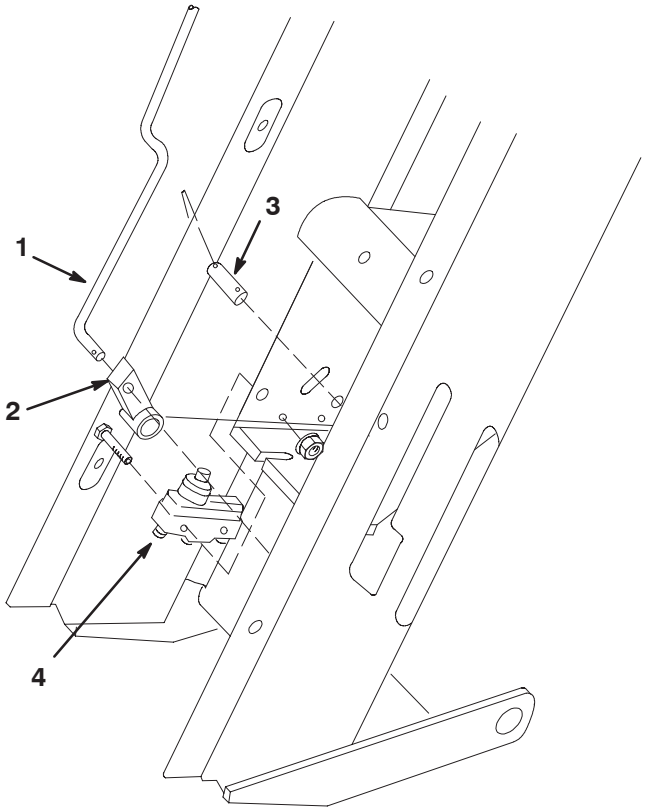


Figure 2

1. Parking brake latch rod
2. Brake pawl
3. Pin
4. Brake switch

3. Remove the cotter pins and pin securing the brake pawl to the brake mount (Fig. 2). Remove and discard the brake pawl and cotter pins but retain the pin.
4. Disconnect the wires from the brake switch (Fig. 2).
5. Remove the screws and nuts securing the switch to the brake mount (Fig. 2). Remove and discard the switch.

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Install New Parking Brake Components

1. Mount the new brake switch and the switch stop plate to the brake mount with (2) screws, .156 x .375 washers and lock nuts. Position the switch, switch stop and fasteners as shown in figure 3. Torque the fasteners to 8–12 in–lbs.

Note: Make sure the switch and switch stop plate are positioned firmly against the brake mount before torquing the fasteners.

2. Mount the new brake pawl to the brake mount with the previously removed pin and (2) new cotter pins (Fig. 3).

3. Secure the parking brake latch rod to the brake pawl with a .281 x .625 flat washer and cotter pin (Fig. 3).

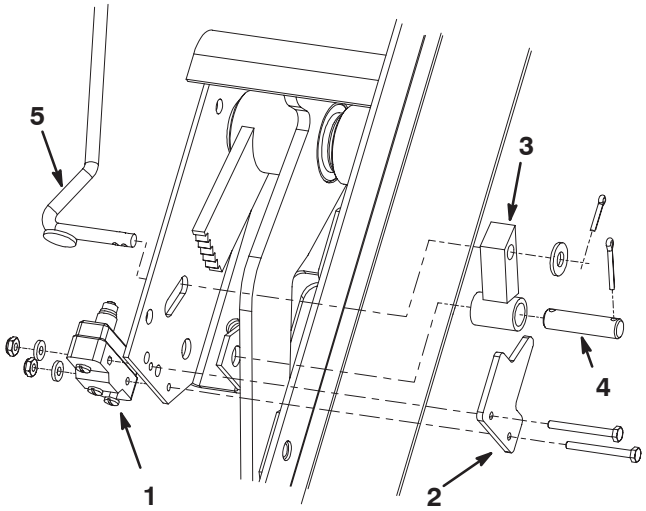


Figure 3

1. Brake switch
2. Switch stop
3. Brake pawl
4. Pin
5. Parking brake latch rod

4. Connect the wires to the new switch terminals as shown in figure 4.

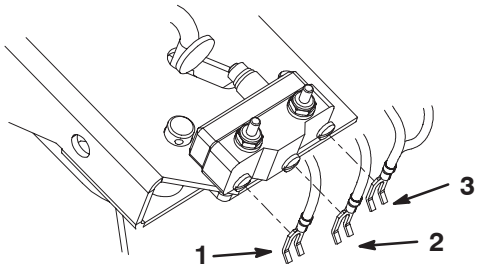


Figure 4

1. White wire to normally closed terminal
2. Yellow/red wire to normally open terminal
3. Black wire to common terminal

5. Install the front cover to the steering tower (Fig. 1).

Connect the Battery

1. Attach the negative battery cable to the battery post.

2. Slide the battery tray in and secure with capscrews previously removed.

3. Replace the left side panel and close the hood. Latch the hood.

Adjusting the Traction (Neutral) Switch

1. Make sure traction pedal is in neutral position. Loosen jam nut on switch adjusting screw (Fig. 5).

2. Rotate adjusting screw toward switch until circuit through switch is made.

3. Rotate adjusting screw an additional 1 turn. Tighten the jam nut.

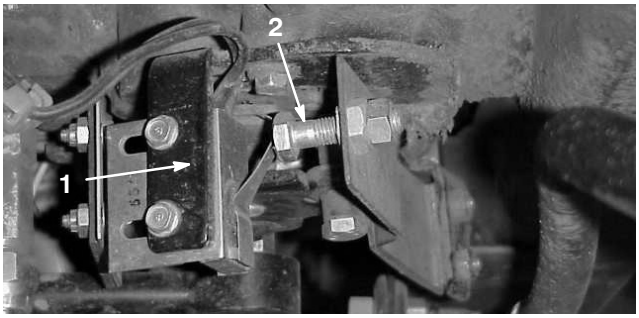


Figure 5

1. Traction (neutral) switch
2. Adjusting screw

4. Actuate traction pedal in both FORWARD and REVERSE to assure that switch “clicks” in both directions.

Check Operation

- Check to make sure parking brake activates properly.
- Check to make sure indicator light illuminates when parking brake is set.
- With the parking brake applied and the engine running, make sure the engine kills when the traction pedal is depressed in the froward or reverse direction. Repair as necessary.