

Pedal Assembly

Service Instructions

DISASSEMBLY

(Refer to Figure 1)

1. Remove three screws (1) and cover (2) from base (11).
2. Remove two screws (3), two washers (4), and sensor (5) from base (11). Remove o-ring (6) from sensor (5).
3. Remove two retaining rings (7) from pin (8).
4. Remove screw (13) from pedal (14).
5. Remove pin (8) from base (11) and pedal (14). Separate pedal (14) from base (11).
6. Remove two retaining rings (7) from pin (15). Remove pin (15) from pedal (14) and cam assembly (16).
7. Remove two cap screws (17) and two washers (18). Separate housing assembly (24) from base (11).
8. Remove boot (19), piston (20), and springs (21 & 22) from housing (23).
9. Remove bushing (9), o-ring (10), and bushing (12) from base (11).

ASSEMBLY

(Refer to Figure 1)

1. Clean and inspect all parts not included in the repair kit and replace any parts that are damaged.
2. Install new bushing (12) in base (11).
3. Install springs (21 & 22) in piston (20). Install piston (20) in housing (23).
4. Install new boot (19) on housing (23) and piston (20).
5. Assemble housing assembly (24) to base (11) using two cap screws (17) and two washers (18). Torque cap screws 24.4-29.8 N·m (18-22 lb-ft).
6. Install pin (15) in pedal (14) and new cam assembly (16). Install two new retaining rings (7) on pin (15).
7. Assemble new o-ring (10), new bushing (9), and one new retaining ring (7) on pin (8) as shown in Figure 1a. This step is necessary to prevent damage to o-ring (10) during reassembly.
8. Align pedal (14) with base (11) and install pin (8) from sensor side of base (11). Note position of flat on pin (8) and install new retaining ring (7) on pin (8).
9. Apply two drops of Loctite 609 to threads of new screw (13). Install new screw (13) in pedal (14) and torque 7.0-7.7 N·m (62-68 lb-in). Be sure screw (13) seats properly on the flat of pin (8).
10. Install new o-ring (6) on sensor (5). Apply one drop of Loctite 242 to threads of two screws (3). Install sensor (5) in base (11) and assemble using two screws (3) and two washers (4). Torque screws (3) 24.4-29.8 N·m (18-22 lb-ft).

• Items included in Repair Kit

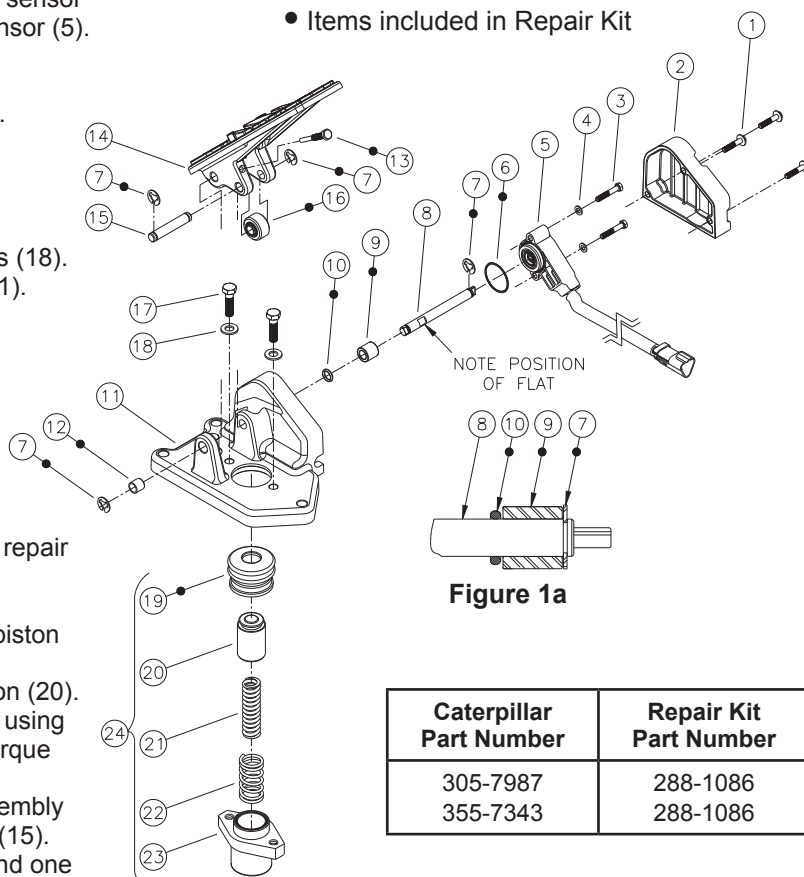


FIGURE 1

11. Apply one drop of Loctite to threads of three screws (1). Assemble cover (2) and base (11) using three screws (1) and torque 1.1-1.7 N·m (10-15 lb-in).
12. See machine servicing instructions to properly reinstall pedal assembly. Be sure the pedal assembly is working properly before operating machine.