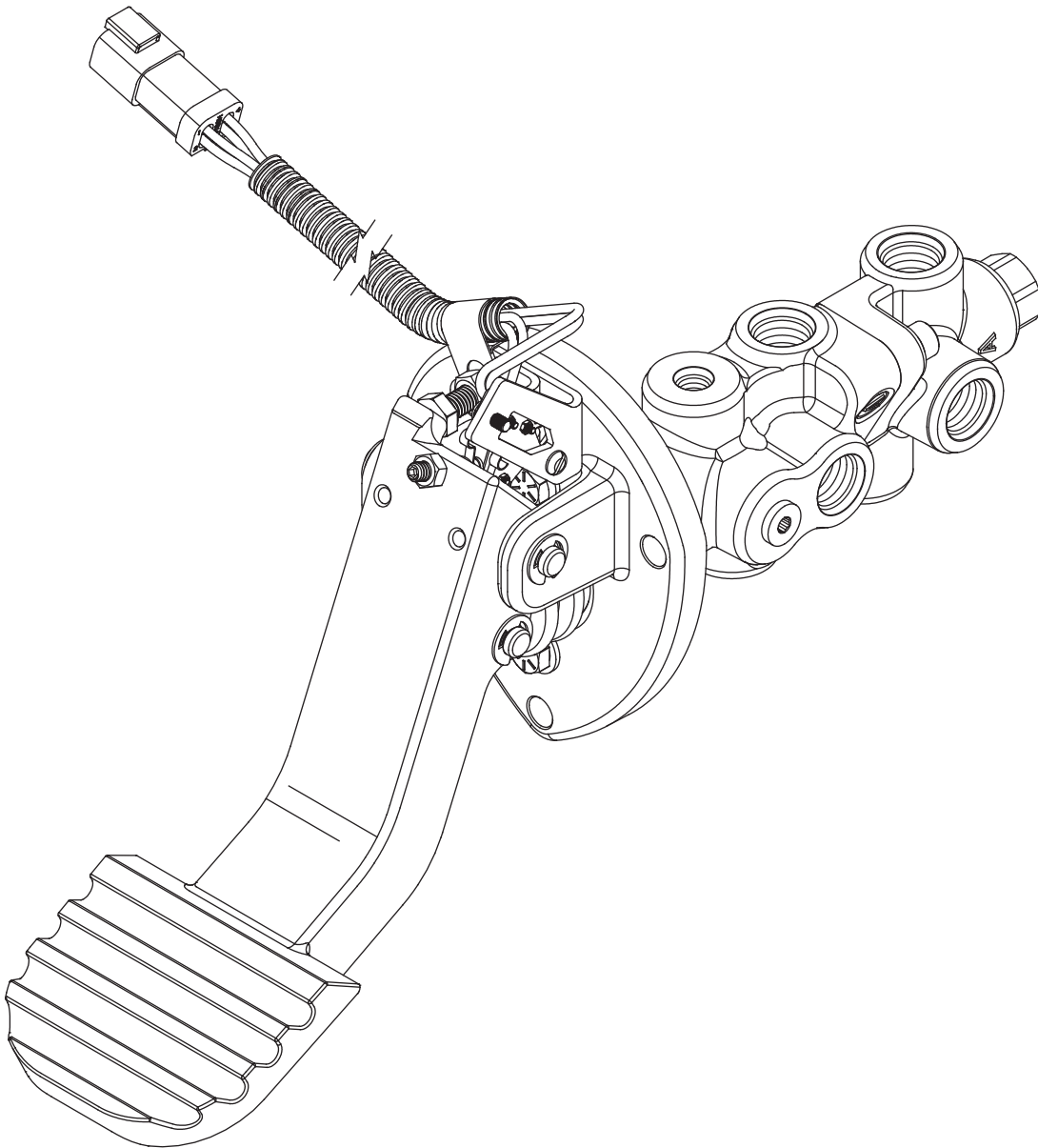


ELECTRONIC PEDAL

Switch Replacement Instructions

John Deere Part Number	John Deere Repair Kit Number
AT396584	AT397868
AT431328	AT397868
AT427003	AT397868

NOTE: Part number AT427003 uses a different style of pedal base.



DISASSEMBLY PROCEDURE

(Refer to Figure 1)

THOROUGHLY CLEAN PEDAL AND BASE ASSEMBLY AND SURROUNDING AREA OF ALL DIRT, GREASE, OIL, ETC. BEFORE SERVICING.

NOTE

It may be possible to replace the snap switches without removing the valve and pedal assembly from the machine.

1. Disconnect the wire harness connectors. Remove pedal assembly (3) by removing one e-ring (1) from pin (2) and carefully applying pressure to the pivot point/cam area of pedal assembly (3) to allow sufficient clearance for pin (2) to be removed. Remove pin (2), pedal assembly (3) and spacers (5 & 6) from base assembly (4).
2. Measure the distance from the surface of base assembly (4) to the top of cap screw (9) and record for reassembly purposes. 3. Loosen nut (8) and remove cap screw (9) and washer (7) from base assembly (4). Remove bracket (10) from switch assembly (11).
4. Remove four screws (12) and four nuts (14). Remove switch assembly (11) and two insulators (13) from base assembly (4).
5. Use a hex key wrench to hold plunger (16) in position while loosening nut (15). Remove nut (15) from plunger (16). Remove plunger (16) from pedal assembly (3).

ASSEMBLY PROCEDURE

(Refer to Figures 1 and 3)

1. Install new switch assembly (11) and two new insulators (13) using four new screws (12) and four new nuts (14). Note the position of the switches. Switch "A" has red and black wires. Switch "B" has yellow and blue wires. Apply a small amount of Loctite provided in the kit to the threads of new screws (12). Install four new screws (12) and torque 0.23-0.57 N·m (2-5 lb·in). Then install four nuts (14) and torque 0.23-0.57 N·m (25 lb·in) while holding screws (12) from turning.
2. Install bracket (10) on switch assembly (11).
3. Attach bracket (10) and washer (7) to base assembly (4) using cap screw (9) and nut (8). Apply a small amount of Loctite provided in the kit to the threads of cap screw (9). Install cap screw (9) in base assembly (4) to the depth recorded during disassembly. While holding cap screw (9) from turning, torque nut (8) 13.6-19.0 N·m (10-14 lb·ft).
4. Install new plunger (16) in pedal assembly (3) and screw it in as far as it will go until it can be adjusted.
5. Apply heavy duty grease to spacers (5 & 6) to hold them in position against pedal assembly (3). Position pedal assembly (3)/spacers (5 & 6) on base assembly (4) while carefully applying pressure to the pivot point/cam area of pedal assembly (3) to allow sufficient clearance for pin (2) to be reinstall-ed. Reinstall pin (2) and attach e-ring (1).
6. Check to be sure the dimension in Figure 2 is being held. Adjust cap screw (9) as necessary to obtain this dimension and re-torque nut (8) 13.6-19.0 N·m (10-14 lb·ft).

SWITCH ADJUSTMENT

(Refer to Figures 1, 2, and 3)

1. Switch "B" may not require adjustment if the snap switch clicks when the pedal is fully released. If the snap switch does not click when the pedal is fully released, loosen the screws shown in Figure 2. Install a flat head screw driver in the adjustment slot shown and turn the screw driver to either open or close the adjustment slot until the snap switch clicks when the pedal is fully depressed. Re-torque the screws to 1.13-1.70 N·m (10-15 lb·in).
2. New plunger (16) needs to be adjusted for new switch "A". Install a 1.8 mm (0.070 in) shim between the pedal roller and input piston, see Figure 3 on page 4. Fully depress the pedal and hold it in this position. With the pedal fully depressed, use a hex key wrench to screw plunger (16) out of the back of the pedal until the plunger (16) tip contacts and clicks the snap switch. Slightly back off plunger (16) to the point where the snap switch again releases.
NOTE: Optimal switch/plunger adjustment is when the switch clicks on and off when the pedal position is as close to fully depressed as possible. Switch "A" must change state at 1.8 mm (0.070 ± 0.020 in) from the end of the pedal stroke.
3. Be sure plunger (16) does not turn while installing new nut (15). Apply a small amount of Loctite to the threads of new nut (15). Use a hex key wrench to hold plunger (16) in position and while installing new nut (15). Torque new nut (15) 0.46-0.68 N·m (4-6 lb·in).
NOTE: Do not over tighten nut (15) or plunger (16) can be damaged.
4. Release the pedal and re-apply several times to be sure the switches are properly adjusted. Reconnect the wire harness connectors and verify proper function of the switches.

NOTE: Part number AT427003 uses a different style of pedal base.

- Items included in Repair Kit

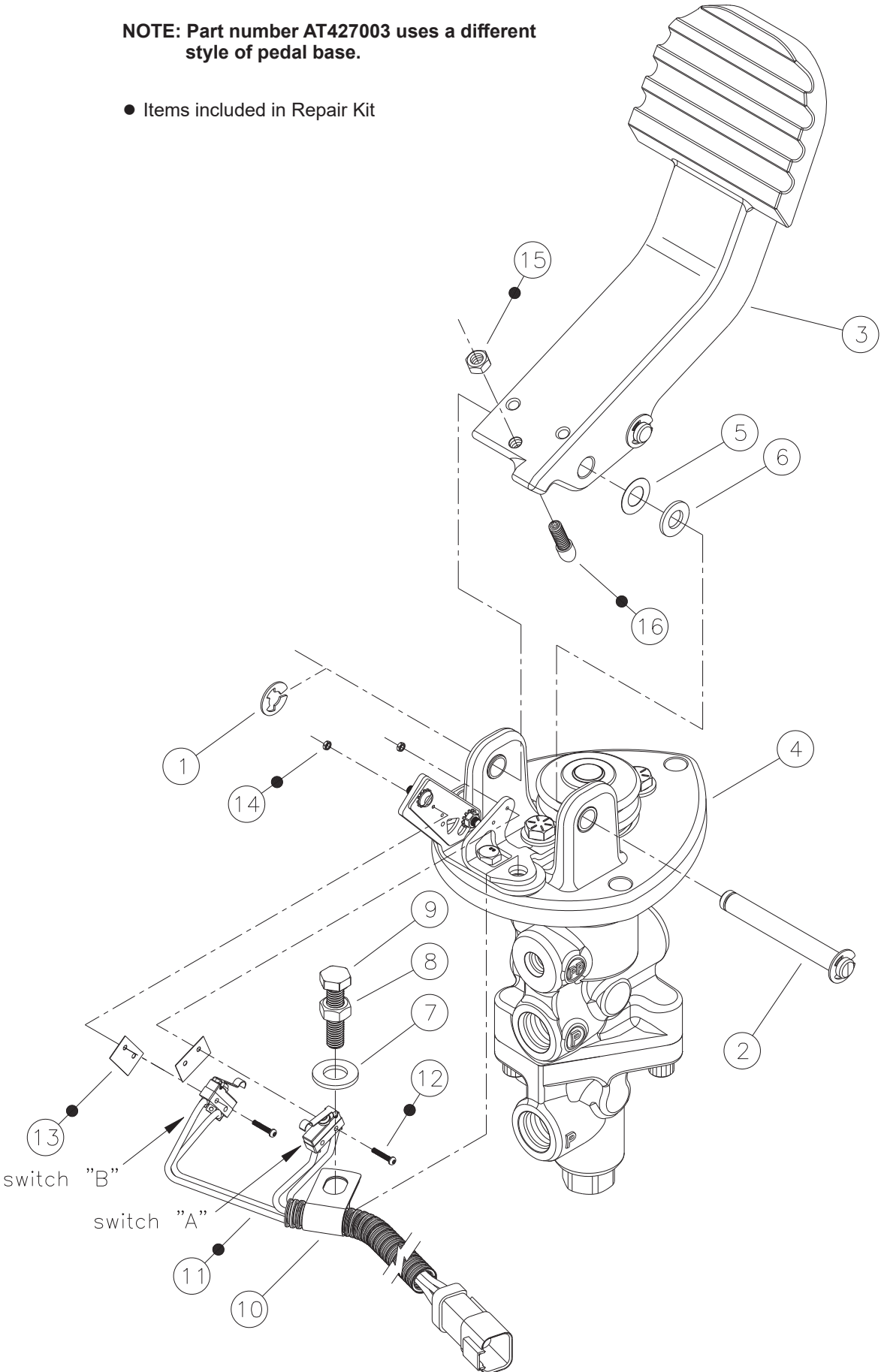


FIGURE 1

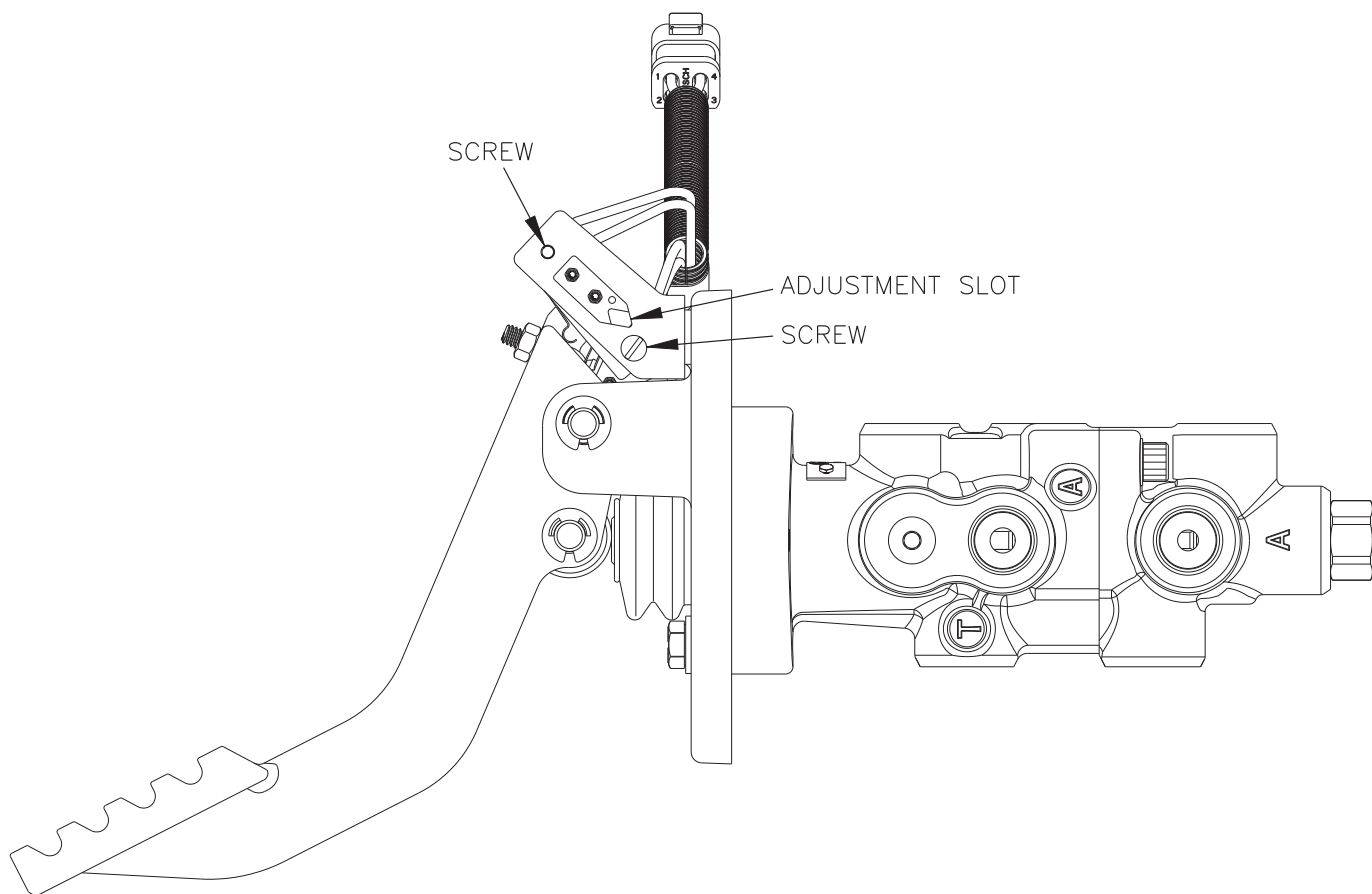


FIGURE 2

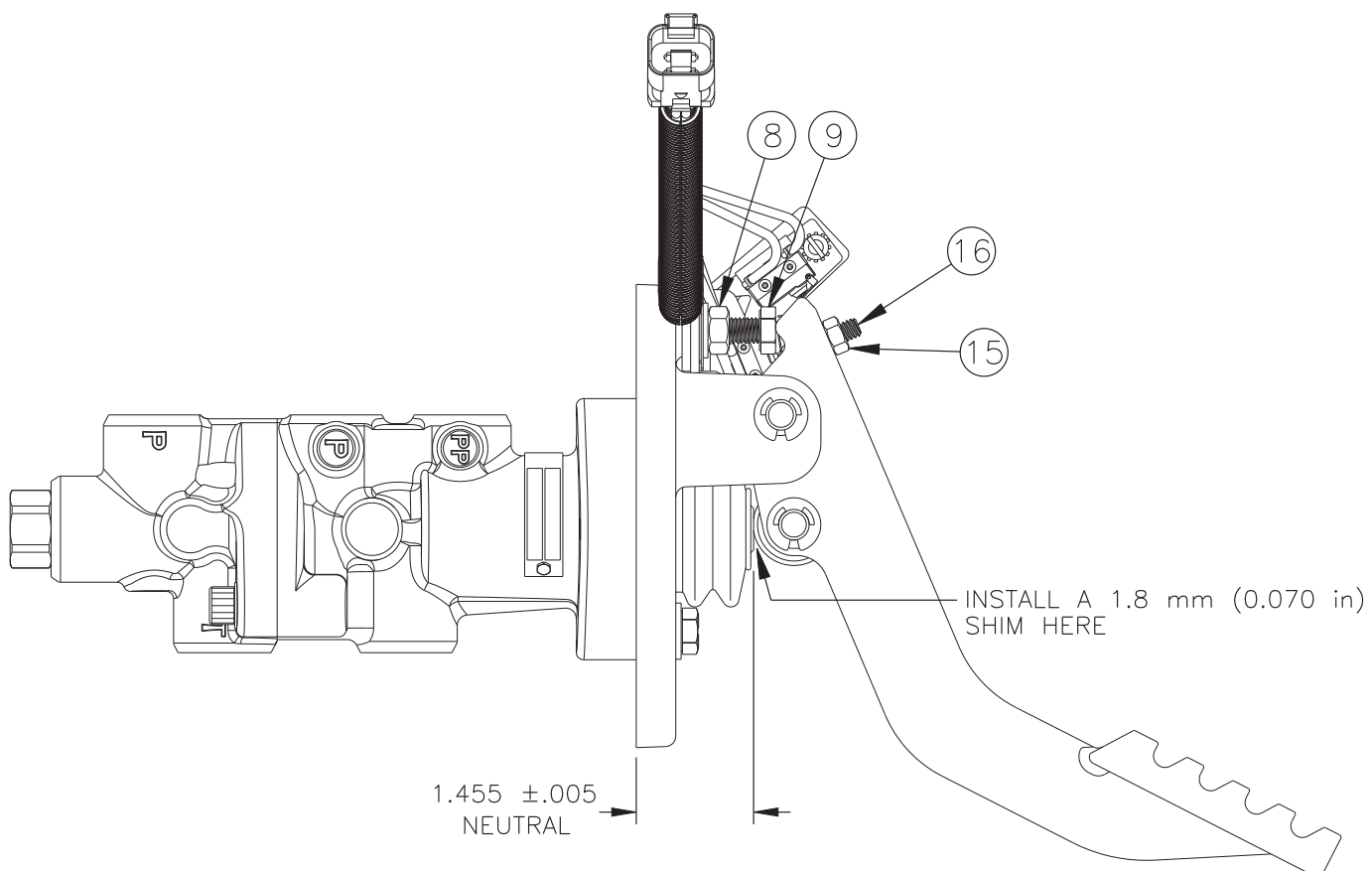


FIGURE 3