



A414 Electric Clutch Kit Triple-Groove Pulley Installation Instructions

Applicable Models:

STX2 & XTA Series (10–46, 10–51)

Install the Electric Clutch

Note

Apply anti-seize to the engine shaft where the electric clutch will slide on.

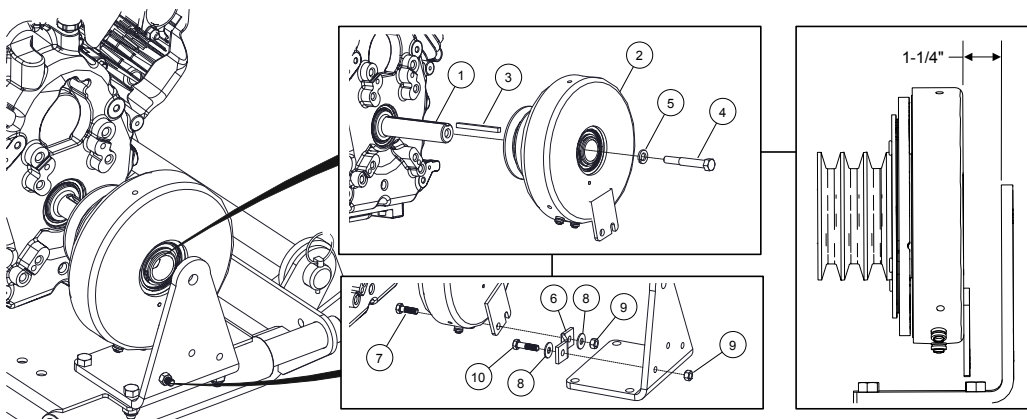
1. Slide the square shaft key (3) and electric clutch (2) onto the engine shaft (1).
2. Secure the electric clutch to the engine shaft using a 7/16" x 3" bolt (4) and lock washer (5).

Note

When properly adjusted the electric clutch should be tight and unable to slide on the shaft.

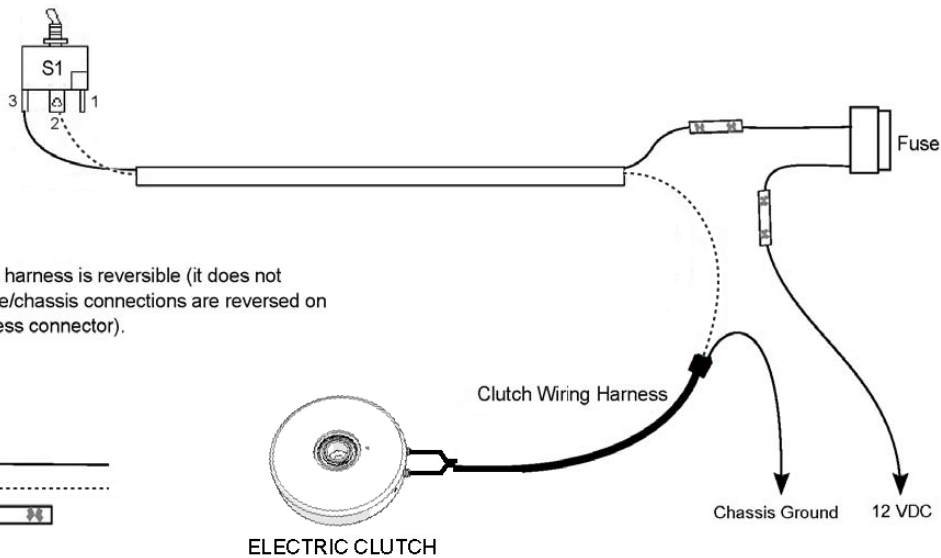
3. Place the motor so that the gap between the face of the electric clutch and the inside face of the guard attach bracket is 1–1/4".
4. Connect all belts.
5. Attach the clutch stop (6) to the electric clutch using one 5/16" x 1" bolt (7), flat washer (8) and locknut (9).
6. Attach the clutch stop to the guard attach bracket using one 5/16" x 1–1/4" bolt (10), flat washer (8) and locknut (9).

Figure 1. Installing the Electric Clutch



Wire the Electric Clutch

1. Remove (cut off) the clutch harness connector that includes a connection clip on one side.
2. Prepare the cut end for connection by trimming harness jacket and wire insulation as needed, crimp ring terminals to the two wires on that end, and connect them to the screw terminals on the clutch (it does not matter which wire connects to which terminal).
3. Complete the remaining electrical connections, using 14 gauge crimp connectors (splice, spade, and ring terminal) as needed:
 - connect the white switch cable wire to one of the clutch harness connector terminals;
 - connect the black switch cable wire to the fuse, and from there to 12 VDC power;
 - connect the remaining clutch harness connector terminal to ground.
4. Test the switch to ensure that the electric clutch engages and disengages properly.
5. Use electrical tape to seal and secure any electrical connections that might require weather-proofing.
6. Run the electrical cable through the lower frame to prevent accidental disconnection of wiring if the cable is pulled tight.
7. Secure the cable when not in use.



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