



Drive Harness Kit

N
NOBLES
TENNANT

Models: T350, Speed Scrub 350

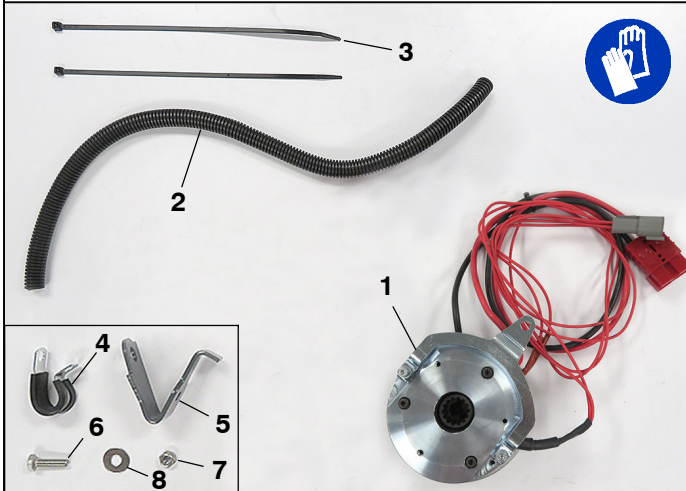
This kit includes the necessary parts to replace a defective drive harness assembly on earlier models. It includes upgrade parts (items 2-8) to protect the drive assembly harness from possible damage. Carefully install the new drive harness kit as instructed.

INSTALLATION INSTRUCTIONS:

Installation Time: 1 hour

Special Tools Required: None

9017775 - Kit Contents



Item	Part No.	Description	Qty.
1	1238239	Harness Kit, Drive	1
2	130008	Conduit, Wrap, Corrugated	2 ft
3	130773	Tie, Cable, Nyl, 11.0L, 14w, 3.0	2
4	26395-1	Clamp, Cable, Stl, 0.56D x 0.38W, 1hole	1
5	1239387	Bracket, Support, Harness	1
6	08716	Screw, Hex, M6 x 1.00 x 20, ss	1
7	08712	Nut, Hex, Lock, M6 x 1.00, nl, ss	1
8	01684	Washer, Flat, 0.278 0.69D .05, ss	1

PREPARE MACHINE FOR KIT INSTALL:

1. Empty the solution and recovery tanks.
2. Park the machine on a level surface and remove key.
3. Disconnect battery cable connector from battery pack.

FOR SAFETY: Before servicing machine, stop on level surface, turn off machine, remove key and disconnect battery cables.

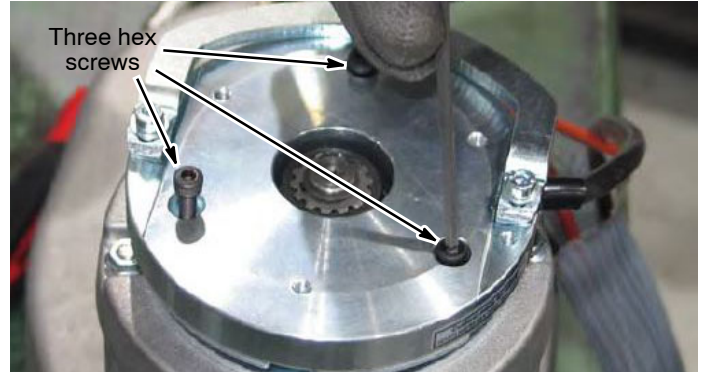
4. Remove the left side frame shroud from the machine.
5. Carefully jack up the front of machine at designated jack locations. Use jack stands to support machine.

REMOVE THE DRIVE ASSEMBLY FROM MACHINE:

1. Remove the four screws and washers securing the drive assembly to the steering pulley bearing housing. Save screws and washers for new harness assembly.
2. Unplug the two cable harness connectors and remove drive wheel assembly from machine.
3. Remove the wheel from the drive assembly. Save screw for reuse.

REMOVE THE OLD DRIVE HARNESS ASSEMBLY FROM THE DRIVE MOTOR:

1. Remove the three hex screws securing the brake assembly to drive motor. Remove the brake assembly. Save hardware.



2. Remove the retaining ring from the motor shaft. Then remove the collar and key from shaft. Do not misplace the collar, key and retaining ring.



3. Remove the two screws securing the carbon brush plate to the motor. Remove plate as shown. Save hardware.

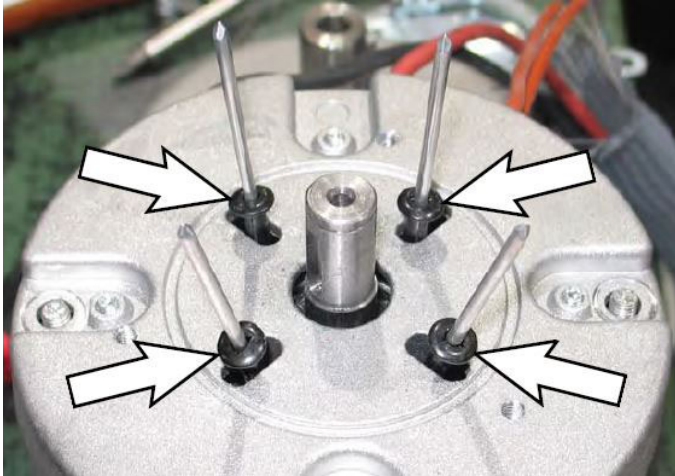


4. Discard the old drive harness assembly.

INSTALL THE NEW DRIVE HARNESS KIT TO DRIVE MOTOR:

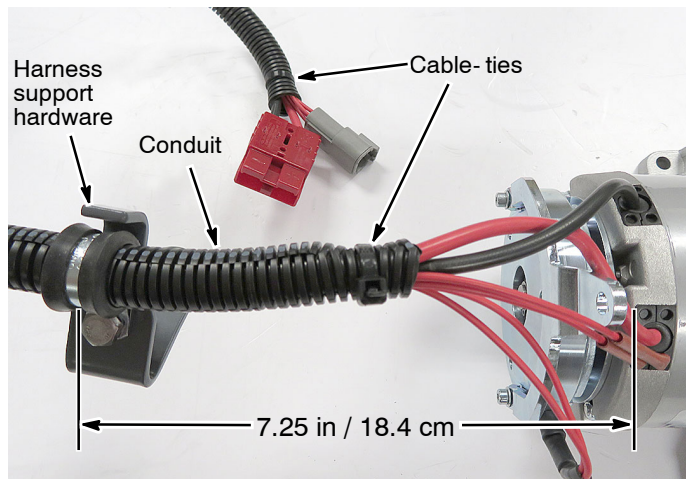
1. Clean the carbon brush dust from inside the drive motor with compressed air.
2. Repeat the previous steps in reverse order to install the new drive harness assembly.

NOTE: When installing the new carbon brush plate on the motor, you must push the four carbon brushes outward to allow clearance over the shaft rotor. This is done by using four small standard screwdrivers or something similar as shown below.



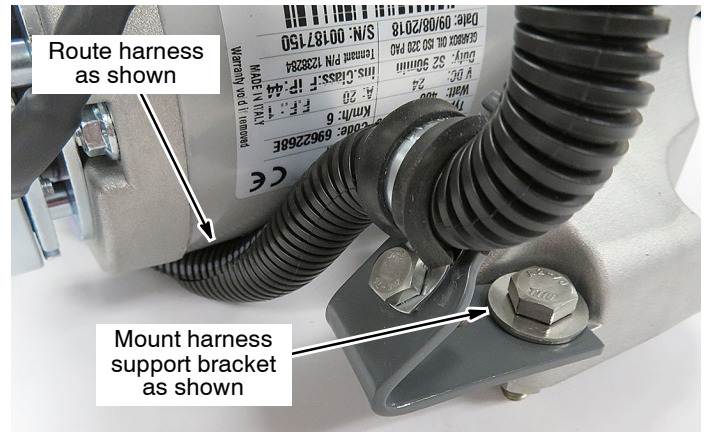
PRE-ASSEMBLE THE UPGRADE PARTS TO THE NEW DRIVE HARNESS ASSEMBLY:

1. Wrap the conduit around the drive motor harnesses and secure it with cable-ties as shown.
2. Attach the harness support hardware to the conduit harness as shown. Make sure the bracket orientation is positioned on the harness as shown.



REINSTALL THE DRIVE ASSEMBLY:

1. Attach the harness support bracket when reinstalling the drive assembly as shown. Use existing hardware. Torque screws to 21 Nm (15 ft lb).



2. Route the cable harness as shown to allow for proper clearance.



3. Plug the two connectors into the machine harness and secure with cable-ties.
4. Re-install wheel on new drive assembly. Use existing screw. Torque screw to 21 Nm (15 ft lb).
5. Replace the left side frame shroud and reconnect batteries.
6. Test machine for proper operation.