



A Textron Company

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The Official Online Store For E-Z-GO Genuine Parts & Accessories

INSTALLATION INSTRUCTIONS

TITLE **ELECTRIC MOTOR, 48VOLT, PDS INSTALLATION**

DRAWING NO. **617762**

REV -

**NOTICE**

Read all of the following safety and service instructions before attempting installation. Wear safety glasses during installation.

**Tool List**

Hydraulic Floor Jack .....	1
Chocks .....	4
Ratchet, 3/8" drive .....	1
Plastic faced hammer .....	1
Internal snap ring pliers .....	1

**Tools List**

Jack Stands .....	4
Straight blade screwdriver .....	1
Socket, 3/8", 7/16", 3/8" drive .....	1
Torque wrench, 3/8" drive, in.lbs. ....	1
Torque wrench, ft. lbs. ....	1

**Parts List**

Molybdenum grease .....	A/R
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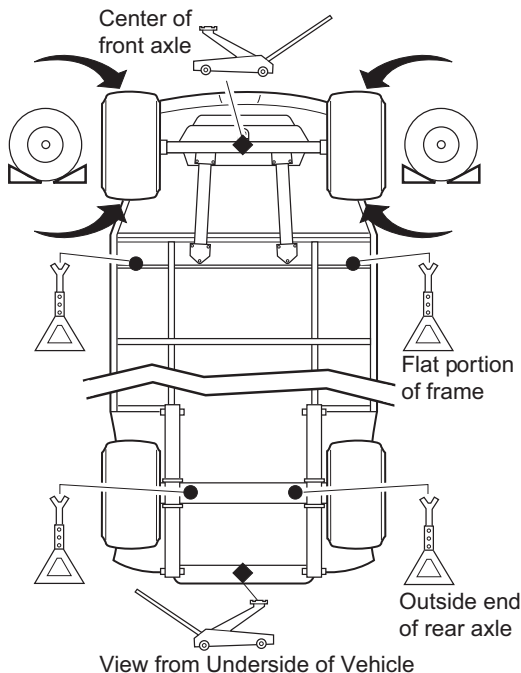
**! WARNING**

**To prevent possible injury or death resulting from a vehicle falling from a jack, be sure the vehicle is on a firm and level surface. Never get under a vehicle while it is supported by a jack. Use jack stands and test the stability of the vehicle on the stands. Always place chocks in front and behind the wheels not being raised. Use extreme care since the vehicle is extremely unstable during the lifting process.**

**Wear eye protection when working on or around vehicle. In particular use care when working around the batteries, or when using solvents or compressed air.**



INSTALLATION INSTRUCTIONS



**! CAUTION**

**When lifting the vehicle, position jack stands only in the areas indicated.**

To raise the entire vehicle, install chocks in front and behind each front wheel. Center jack under the rear frame crossmember. Raise vehicle and locate a jack stand under outer ends of rear axle. Lower the jack and test the stability of the vehicle on the two jack stands. Place the jack at the center of the front axle. Raise the vehicle and position jack stands under the inner frame member as indicated. Lower the jack and test the stability of the vehicle on the four jack stands. If only the front or rear of the vehicle is to be raised, place the chocks in front and behind each wheel not being raised in order to stabilize the vehicle. Lower the vehicle by reversing the lifting sequence.



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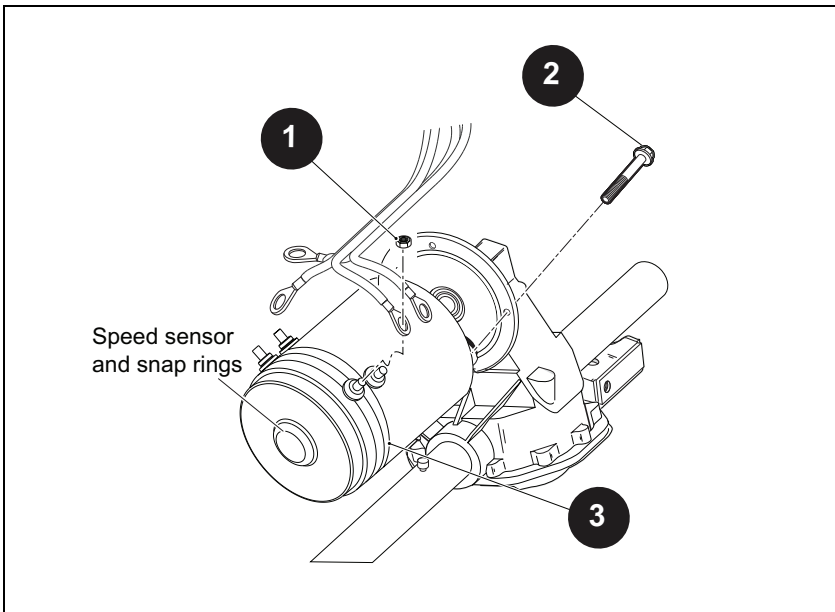


# CAUTION

***Before any electrical service is performed on PDS model vehicles, the "RUN/TOW-MAINTENANCE" switch must be placed in the "TOW-MAINTENANCE" position. If a power wire (battery, motor or controller) is disconnected for any reason on the PDS model vehicle, the "RUN/TOW-MAINTENANCE" switch must be left in the "TOW-MAINTENANCE" position for at least 30 seconds after the circuit is restored.***

## INSTALLATION INSTRUCTIONS

1. Make sure the vehicle is on level ground and parking brake is set.
2. Turn the key switch to reverse, wait for the reverse warning indicator to become silent turn the key switch to off position and remove the key from the switch.
3. To access Electric motor (3) remove the deck wooden plank or seat bottom from the vehicle, or raise the truck bed completely. This depends on the type of vehicle you have. Remove the negative cable from the battery.
4. If you deck wooden plank type vehicle no need to lift your vehicle. In other types you need to lift the vehicle as per the instructions mentioned in the first sheet.
5. Make a note of the connections and disconnect motor wires from controller terminals.
6. On PDS motors, remove the snap ring and remove the speed sensor from the motor end cover.



7. Remove the harness connections by removing the nuts (1).
8. Slide and remove the Electric motor (3) by removing the hardware (2) and retain the hardware (2) for installation of new Electric motor (3).
9. Apply a small quantity of molybdenum grease to the male portion of the spline. Carefully mate the motor spline with the input shaft of the rear axle. Tighten the hardware (2) to 8 - 12 ft. lbs. (11 - 16 Nm) torque.
10. For PDS motors, install speed sensor and snap rings to end cover. Connect back the harness connections to motor and tighten the nuts (1) to 66 in. lbs. (7 Nm) torque.