

How To Install The Electric Actuator



This is a step-by-step instruction guide on how to install an electric actuator for the complete line of Rascal products.

Tools needed:

3/4" box wrench, Adjustable wrench, Quick straps "wire ties"

Optional for attaching the electrical switch:

Wire snips, Screw wire nuts (Amp and Wire gauged to fit), Electrical tape or quick straps "wire ties"

- 1) Make sure the Rascal is attached to a vehicle. If the Rascal cannot be attached to a vehicle simply adjust the rake down, using the back square jack, till the weight of the tool is supported on the rake and scarifiers. Once the weight is supported on the rake and scarifiers, lower the wheels down until all the pressure has been released from the jack. Once the pressure has been released the jack will be able to move around freely without binding up. If the tool can be hooked to a vehicle then lower the wheels down and make sure the jack is able to me moved without binding.
- 2) Next, remove the bolt on the bottom of the square hand jack using the 3/4" wrench and adjustable wrench. When doing this make sure to hold the top of the square hand jack in place so it does not swing down. Next, remove the lynch pin from the top hitch pin and slide the square jack off the hitch pin. (If the Hitch pin is connected so the handle for the pin is on the hand jack side then remove the pin completely from the bracket. This will also cause the top link to fall, so be careful to hold the square hand jack while pulling the pin out. Then, reinsert the Hitch pin back in from the other side to make the installation of the electric actuator easier.)
- 3) Now, slide the electric actuator on to the hitch pin making sure the motor is facing the finish rake. To ensure the electric actuator does not fall off, reinsert the lynch pin. Connect the electric actuator to the electric switch (Instructions on how to connect the electric actuator to the vehicle are provided below) and slowly lower the electric actuator so that the bottom bolt hole lines up with the connecting bracket on the axle. Once the holes line up, insert the bolt and secure the actuator to the base. Now the actuator is ready to be used.

Attaching the Electrical Switch to the Tow Vehicle and Actuator

1. Disconnect the connectors from the battery terminal, and attach the power ends of the switch to the battery terminals. Test to make sure that you are getting power to the actuator, and that the switch is working properly, by connecting the switch to the Actuator. You only need to connect the switch long enough to ensure that the Actuator is working. If for some reason the actuator is not working, stop and make sure the cables are connected and secure to the battery.
2. When securing the switch to the vehicle, make sure the wires are not dangling or hanging in a “pinch point: where they can be cut. To make sure the wires are not in the way use either electrical tape or quick straps “wire ties” to secure the wires by folding them together and taping them up, or strapping them together. *Another option is to shorten the wires. If you are comfortable with wiring then you can cut, and splice the wires back together. Shortening the wires should only be done by someone who is confident working with electricity. If you are not comfortable working around electricity we strongly encourage you to have someone experienced with rewiring install the switch.*
3. Next, secure the wires to the Hitch, and allow enough wire so that the tool can move without pulling the wire out of the motor, and that when turning the wires will not get caught and break. To secure the wires to the hitch and the Tow vehicle use either quick straps “wire ties”, or electrical tape.
4. The electric actuator is now ready to be used. If the unit is not work properly, or if there are issues with the electric actuator please contact one of our Customer Service Representatives at 877-788-7253 with any issues you may have.