



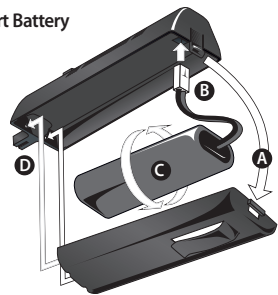
Nitro Stampede EZ-Start Instruction Addendum Covers Part #4110, 5280

An updated Traxxas EZ-Start™ controller with diagnostic and protection functions is now included with the Nitro Stampede.

- Power for the EZ-Start system comes from a 7.2-volt rechargeable battery pack installed in the hand-held control unit (battery not included).
- The engine glow plug is heated automatically by the EZ-Start system, eliminating the need to keep up with a separate glow plug igniter.
- The voltage to the glow plug is kept constant, regardless of the load placed on the starter by the starter motor.
- The “Glow Plug” LED (light emitting diode) on the control unit indicates glow plug continuity.
- The “Motor” LED indicates the status of the EZ-Start electric starter motor.
- Smart Start™ protection circuitry prevents damage to the motor by cutting power if the load on the motor or other electronics exceeds safe limits.

Installing the EZ-Start Battery

The EZ-Start system requires a fully charged 7.2-volt rechargeable NiCad or NiMH battery pack (not included). Use a charger (not included) designed for 7.2-volt battery packs. Charge the battery according to the charger manufacturer’s directions.



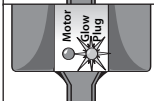
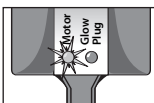
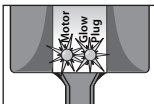
1. Press the tab in the end of the battery compartment door to open. (A)
2. Plug a fully charged 7.2-volt battery pack into the connector inside. (B)
3. Twist the battery 2 or 3 times to twirl the battery plug wires. This helps hold the wire and battery in place when the battery is installed in the compartment. (C)
4. Install the battery into the compartment and press the wires securely into place.
5. Snap the battery compartment door back on and lock the end tab. (D)

Using the EZ-Start

Your EZ-Start controller plugs into a 4-prong receptacle at the rear of your Nitro Stampede. When the red button on the controller is pressed, the EZ-Start motor begins to spin the engine and power from the control unit heats the glow plug. Assuming all settings and preparations are correct, the engine should start almost immediately.

Each of the two status indicator LEDs on the hand-held control unit, the **Motor LED** and the **Glow Plug LED**, should light green while starting. If either LED fails to light while starting, there is a fault indicated with that function:

- If the **Glow Plug** LED fails to light, the glow plug may be bad, or the glow plug wire may be damaged or disconnected.
- If the **Motor** LED fails to light and the starter fails to operate, then the EZ-Start is in protection mode.



Protection Mode

The EZ-Start uses Smart Start™ technology to monitor the condition of the system and detect failures. The controller monitors the load being placed on the EZ-Start motor. If the load becomes excessive, the system shuts off power to the motor to prevent costly damage to the motor and the controller. This may occur, for example, if the engine floods with fuel during starting. The starter spins at first but when excessive fuel in the combustion chamber begins to lock up the engine, the starter motor slows under the heavier load. This causes the protection circuit to shut off the power to the motor. Allow at least 3 minutes for the starter motor to cool and the circuit to automatically reset before continuing. Use the time to find and eliminate the condition that caused the excessive load on the starter motor.

Use a Strong Starter Battery

A weak starter battery, or one that has not been fully charged, may not deliver enough power to crank the engine over at the appropriate rpm to keep the piston from sticking at top dead center (TDC). Make sure you are using a good quality battery pack that is fully charged (new batteries usually require several charge cycles to reach peak voltage and full capacity). This is especially important with a new engine that needs to be broken in.



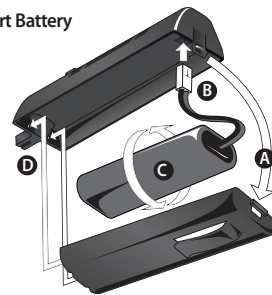
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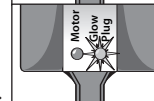
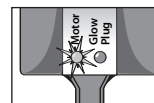
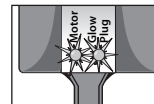
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Your EZ-Start controller plugs into a 4-prong receptacle at the rear of your Nitro Stampede. When the red button on the controller is pressed, the EZ-Start motor begins to spin the engine and power from the control unit heats the glow plug. Assuming all settings and preparations are correct, the engine should start almost immediately.

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