

POWER WHEELS TECH TOPIC #36

Mustang GT Mods

Idea and Advantage:

The Mustang GT is great vehicle to mod. It has enough room for extra batteries for a Nitrous conversion and uses the strong #7 gearboxes so motor swaps are easy. You can see [TECH TOPIC #8](#), [TECH TOPIC #14](#), [TECH TOPIC #23](#) and [TECH TOPIC #35](#) for similar mods, high speed motor swaps and nitrous conversions, but this Tech Topic provides specific modification details for the Mustang GT.

The best first mod for the Mustang GT, is a high speed motor swap. You can swap in [DCM-231](#) motors that will give an honest 7 mph on the factory 12 volts with just a few minutes work. This Tech Topic also shows how to install a Nitrous button that provides 18 Volts with a steering wheel mounted switch.

These are relatively quick and simple mods.



Warning: This Mod is not for everyone. Soldering may be required. Soldering Irons are Hot and can cause serious burns and/or melt the vehicle if the operator is not careful. Some kids just aren't good drivers. This conversion increases the speed the vehicle travels. Hitting a solid obstacle at the speeds attained can cause VERY SERIOUS injuries. Modifying the electrical systems of Ride on vehicles CAN RESULT IN FIRES. Parental supervision IS REQUIRED at all times during the operation of Ride-on vehicles and DISCONNECT FROM THE VEHICLE and fully charge the battery(ies) after EVERY USE.

Materials/Tools Required:

1. 2 [DCM-231](#) 550 Motors from [All Electronics](#) (about \$8/Pair).
2. 2 [32P Pinion Gears](#) that are the same as your gearbox (21 tooth is stock) (about \$7 pr.) and a 1.5 mm Allen wrench
3. A male "H" or "A" connector from a dead 6 volt Power Wheels battery (what ever style 6 volt charger you have).
4. A [30 Amp SPDT Relay](#) and [Socket](#) (5 pin) (**Not available at Radio Shack!!!**)([Click here for Sources](#))
5. 6 Volt, 12 ah battery (or equivalent)
6. Momentary pushbutton switch like [All Electronics PB-138](#)
7. 35 Amp fuse or [30 amp circuit breaker](#)
8. 6 feet of 12 Gage or larger wire. 3 feet of speaker wire
9. Up to 6 [Tap splices](#) and 4 [Butt Connectors](#)
10. Insulated female and male spade terminals
11. Soldering iron or 4 female spade terminals and crimping pliers
12. Phillips and flat screwdrivers
13. .437 (7/16 nom) Pushnut OR [7/16" E-clip](#), Dremel tool with cut-off wheel, hacksaw, 3/8" washer and marker.
14. Electric drill and a 3/8" to 1/2" bit (depending on Nitrous Activation switch size)

Applications:

This mod is meant primarily for the [Mustang GT](#). It may be adapted to other Power Wheels vehicles, however, that have similar gearboxes and layout, but the specifics of those conversions are not covered in this tech topic.

These Power Wheels Vehicle Tech Topics are IN NO WAY endorsed, advocated or even tolerated by Fisher Price, Power Wheels, Kransco or anyone that sells or services Power Wheels vehicles. All the modifications outlined in these Tech Topics WILL void your vehicles warranty, if so equipped. Some vehicle modifications can be DOWNRIGHT DANGEROUS and ADULT SUPERVISION of Children operating Power Wheels vehicles MUST BE MAINTAINED AT ALL TIMES!