



MODEL NUMBER

CHRYSLER AIRBAG STEERING WHEEL REPLACEMENT PROCEDURES

Congratulations on the purchase of your new **GRANT REVOLUTION** steering wheel. This wheel is a direct replacement for your original factory steering wheel with or without spoke mounted control switches. The original airbag (SIR) module, horn switch, switch harness, switches, trim and shroud from the factory wheel must be removed and transferred to the new **GRANT** wheel.

This wheel will fit the following vehicles:

Chrysler	2005-2010	300 Series	Dodge	2008-2010	Challenger
				2006-2010	Charger
				2005-2008	Magnum

IMPORTANT - PLEASE READ

These **GRANT** Instructions use the factory shop manual procedures for the removal and reinstallation of the steering wheel and airbag module. In addition the **GRANT** instructions include step-by- step procedures for the changeover of the switches, wiring and trim pieces from the factory wheel to the *Grant* wheel. Before proceeding with the replacement of your original steering wheel, it is necessary to read and understand all these instructions. By reading them first, you can become familiar with the steps and terminology used. Please take note of the following directives used throughout these instructions:

ALWAYS CAUTION NEVER NOTICE NOTE

NOTICE - **GRANT** recommends that installation be performed by a qualified service provider such as your local Mopar dealer, a certified mechanic, collision repair shop or a local airbag service center. Many of these service centers will come to your home or place of business to change out the air bag and wheel for a nominal fee. To find these providers check the internet for “airbag service”, “mobile airbag service” or check the yellow pages.

CAUTION

ALWAYS WEAR SAFETY GLASSES WHEN REPAIRING OR HANDLING AN AIR BAG.

ALWAYS CARRY A LIVE AIR BAG MODULE WITH THE TRIM COVER POINTED AWAY FROM YOUR BODY.

ALWAYS PLACE A LIVE AIR BAG MODULE ON A BENCH OR OTHER SURFACE WITH THE TRIM COVER FACING UP.

NEVER PROBE THE CONNECTORS ON THE AIR BAG MODULE.

AIR BAG MODULES WITH DISCOLORED OR DAMAGED COVERS OR DEPLOYMENT DOORS MUST BE REPLACED, NOT REPAINTED.

- Tools required:**
- | | |
|-----------------------|--------------------|
| Socket Set | Safety Glasses |
| Torque Wrench | 10mm Allen Wrench |
| Phillips Screw Driver | Plastic Trim Stick |
| T-20 Torx Driver | |

DISABLING AND REMOVAL OF THE AIRBAG MODULE

1. Write down all of your radio presets as these will be lost when you disconnect the battery cable. Turn the ignition key to unlock the column, if your vehicle has a telescopic column extend all the way out and lock in place.
2. **NOTICE** - Disconnect and isolate the negative battery cable and wait at least **2 full minutes** for the circuit to completely discharge before proceeding. **CAUTION:** Failure to fully deplete the backup power supply could result in an accidental deployment and possible injury.
3. From behind the wheel (you will have to turn the wheel to the left and right to access the screws) remove the two screws (number 5) holding the airbag module to the wheel with a 10mm socket. See Illustration 1.

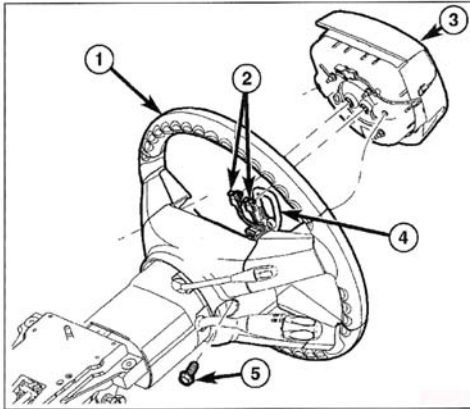


Illustration 1

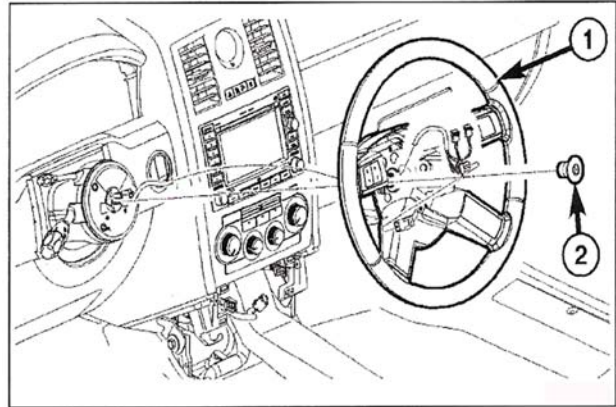


Illustration 2

4. Carefully pull the airbag module rearward away from the steering wheel just far enough to disconnect the wires from the back of the module; take care not to pull on any of the wiring. Disconnect the 2 airbag squib connectors by squeezing and pulling away (number 2) and the horn connector (number 4) from the airbag module, there is a small plastic ring on the horn wiring that needs to be pulled from the threaded end on the bottom right hand screw on the back of the airbag module.
5. Remove the airbag module completely from the wheel and place the module face up on the floor, seat or workbench. If you carry the module make sure the trim cover is pointed AWAY from your body.
6. If your vehicle has cruise control, separate the white connector located at the 6 o'clock position inside the wheel. The release tang for this connector is on the back side facing the dashboard, so you will need to squeeze it while pulling it off. You might find it easier to slide the entire assembly to the left to release it from the plastic support; you can then turn it to see the release tang. Once the connector is separated you can reposition the right segment back onto the support as before.

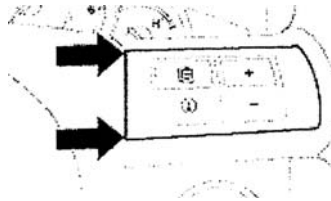
REMOVING ORIGINAL STEERING WHEEL FROM THE VEHICLE

1. Position the steering wheel so that it is pointed straight ahead. Remove the center wheel retainer bolt using the 10mm Allen Wrench or Allen socket (this bolt is VERY tight so you may need an extension to loosen it). Pull the steering wheel up to separate it from the shaft.
2. Taking care to not pull on any of the wiring coming out of the column; simply feed the wires back thru the hole in the wheel and remove the wheel from the column. Do not turn the plastic clockspring mechanism with the wiring now or at any time during the installation. See Illustration 2 above.
3. Take the wheel to a work bench as you will need to transfer a number of components from the original wheel to your new *Grant* wheel.

REMOVING COMPONENTS FROM ORIGINAL WHEEL

1. If your wheel has switches in the upper spokes, disconnect the wiring at each switch.
2. If your vehicle has cruise control disconnect the wiring at the switch. Turn the wheel face down and remove the 2 Phillips screws and the small plastic trim directly behind the cruise control stalk. If you do not have cruise control proceed to step 3.
3. Turn the wheel face up and remove the 4 Phillips screws holding the rear wheel shroud and (if equipped) the fifth screw holding the turn signal stalk to the metal wheel frame and remove both the stalk and shroud along with all wiring attached to the shroud from the wheel.
4. To remove either the standard silver accent or the actual switches from the two upper spokes slip the end of a plastic trim stick (or slim metal strip) into the narrow openings at the top and bottom sides as viewed from the center of the wheel (see Illustration 3). Slide the stick into this gap about 1-1/2" to 2" until that side releases, then pull up slightly and hold while repeating the process in the other opening then pull the entire section out of the wheel. Repeat for the other spoke.

Illustration 3



5. Remove the torx head screw holding the black base for the silver trim on each upper spoke and remove these from the wheel.
6. For those wheels having silver accents on the bottom spokes slide the trim stick under the lip from the center of the wheel and pull up to release them; remove from the wheel.

PREPARING NEW WHEEL FOR INSTALLATION

1. Transfer the lower spoke silver accents (if equipped) to the new wheel and snap in place.
2. Transfer the black bases for the upper spoke trims to the new wheel and secure with the torx screw (there is no hole but the screw will cut its own when tightened). Just position the black trim onto the wheel properly and tighten the screw. Position the silver accents (or switches) into each of the upper spokes and push to snap into position.
2. Replace the rear wheel shroud and secure in position with the 4 Phillips screws. Route the wiring as before around the center of the wheel. Replace the cruise control stalk and start the Phillips screw on the front, but do not tighten. Flip the wheel face down and reinstall the small plastic trim and 2 Phillips screws behind the cruise stalk and tighten. Turn the wheel face up and tighten the screw retaining the cruise control stalk.
3. Connect the wiring to the cruise stalk (if equipped) and to the upper spoke switches (if equipped).

INSTALLING NEW STEERING WHEEL

1. Position the new wheel onto the shaft making sure all the wiring feeds through the hole in the center of the wheel as before (there is only one way to install the wheel so you cannot get it on crooked). Reconnect the white cruise control wiring connector at the 6 o'clock position inside the wheel.
2. Tighten the steering wheel retaining bolt and torque securely to 70 N-m (52 lb/ft). You can re-use the original bolt up to 5 times without having to apply more thread locking compound.
3. Position the airbag module near the wheel and connect the 2 airbag squib connections (these are color coded so you cannot get them on incorrectly). Just match the color and push down until you hear them click into place.

4. Reconnect the horn wire lead and reposition the small round plastic ring over the bottom right threaded bolt sticking out of the back of the airbag module as before.
5. Position the airbag module into the wheel and reinstall the 2 10mm hex head airbag mounting screws into the back of the wheel and tighten to 10 N-m (89 in/lbs).
6. Reconnect the negative battery cable.

Remember to reset your radio station presets and clock and enjoy your new **GRANT REVOLUTION** steering wheel. When you first start the vehicle the engine may run less smoothly than before as the computer will have to reset itself due to the power loss but this will just take a moment or two.

If you need further assistance contact GRANT Technical Service Support at:

Phone (626) 305-0700

Fax (626) 305-0799

Email: customerservice@grantproducts.com

**Support Hours are 8:00AM to 5:00PM Pacific Time
Monday through Friday**



OUR LIMITED WARRANTY

We warrant this product for ninety (90) days from the date of original purchase to be free from defects in materials and workmanship. If, during this period, the product fails under normal usage because of a manufacturing defect, then we will replace or repair the item. To obtain repair or replacement under the terms of this warranty, notify us at 615 Elca Lane, Suite C, Brownsville, TX 78521. Proof of purchase and date of purchase are required to validate warranty.

All implied warranties, including warranty of merchantability, are limited to this same ninety-day period from date of original purchase. We are not liable for any direct or consequential loss of property damage arising from any use of this product. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Offer good in U.S.A. and Canada only.

**GRANT PRODUCTS INTERNATIONAL, INC.
615 Elca Lane, Suite C
Brownsville, TX 78521**

On the Web: www.grantproducts.com