



**BMW F2x F3x F8x M-Sport
Carbon Fiber Steering Wheel**
Installation Instructions - [Click HERE to Shop](#)



Skill Level 1
- Easy -
Basic Skills
Required



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.



NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK STEERING WHEEL

Step 1: Flat Head Screwdriver

Disconnect the negative battery terminal. Locate the access hole on either side of the wheel and insert a screwdriver at a 45 degree angle. Push the screwdriver inward until you feel the resistance of the air bag retaining spring, then push inward on the spring while pulling the airbag away from the wheel to release it. Repeat the process to release the other side of the air bag.

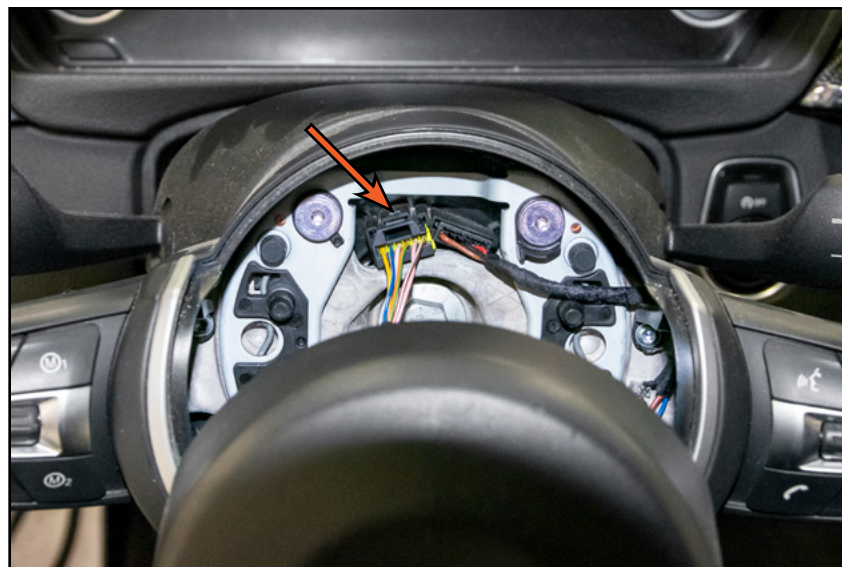


CAUTION: Failure to properly disconnect the battery could result in the airbag being set off, causing damage to the vehicle and personal injury.



Step 2: Angled Pick

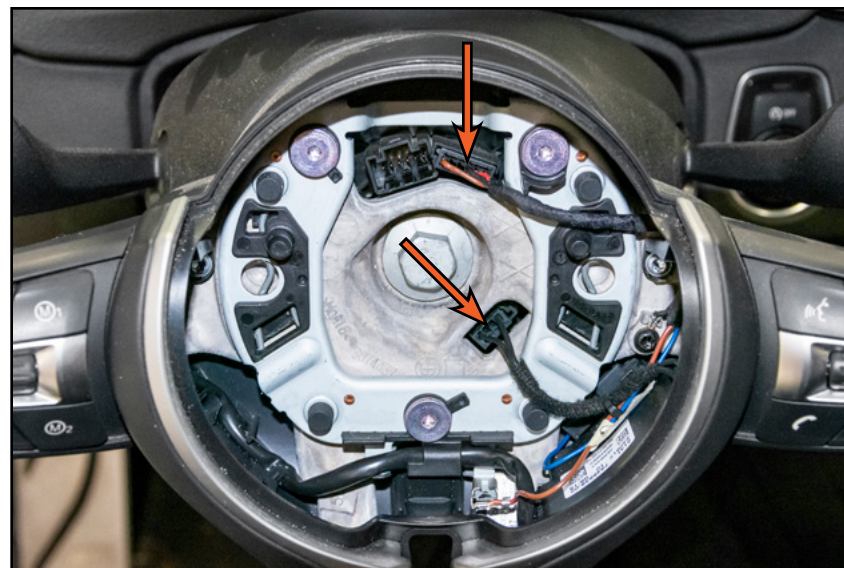
Push down on the release tab (arrow) and disconnect the air bag connector.



REMOVING THE STOCK STEERING WHEEL

Step 3: Angled Pick

Disconnect the two connectors (arrows) from the clock spring.



Step 4: 16mm Socket & Ratchet

Remove the bolt (arrow) which secures the steering wheel in place. Pull the wheel off the steering shaft.



REMOVING THE STOCK STEERING WHEEL

Step 5: T20 Torx

Remove the three screws (circled in **RED**) which secure the back trim panel and set them aside.



Step 6: T20 Torx, Non-Marring Trim Removal Tool

Remove the three screws (circled in **RED**) which secure the front trim panel and ground wire, and set them aside. Carefully pry the front trim panel off the wheel.



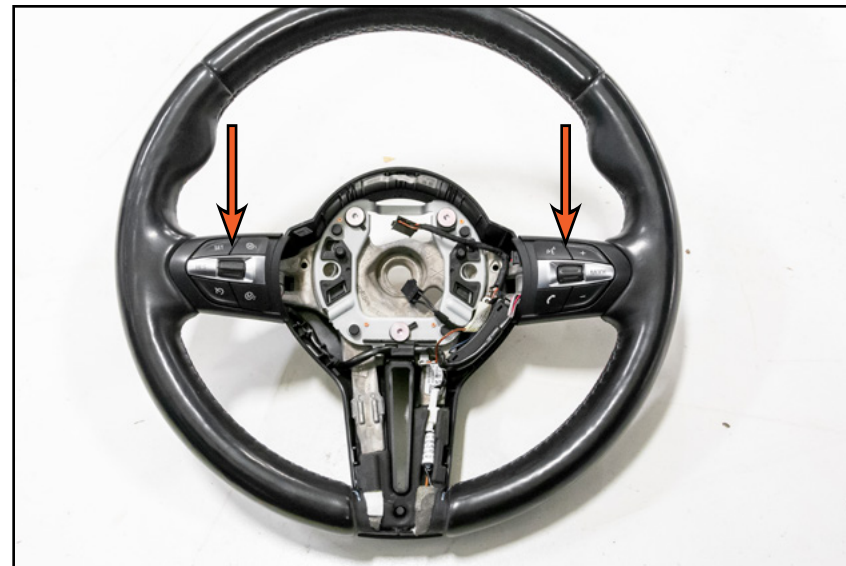
REMOVING THE STOCK STEERING WHEEL

Step 7: Non-Marring Trim Tool, Angled Pick

Carefully pop the multifunction switch panels (arrows) free from the wheel, then free up the wiring harnesses, being sure to remember their orientation.



If your vehicle is equipped with paddle shifters, you will have to remove two additional screws which secure the paddles then disconnect the connectors.



Step 8: Non-Marring Trim Tool

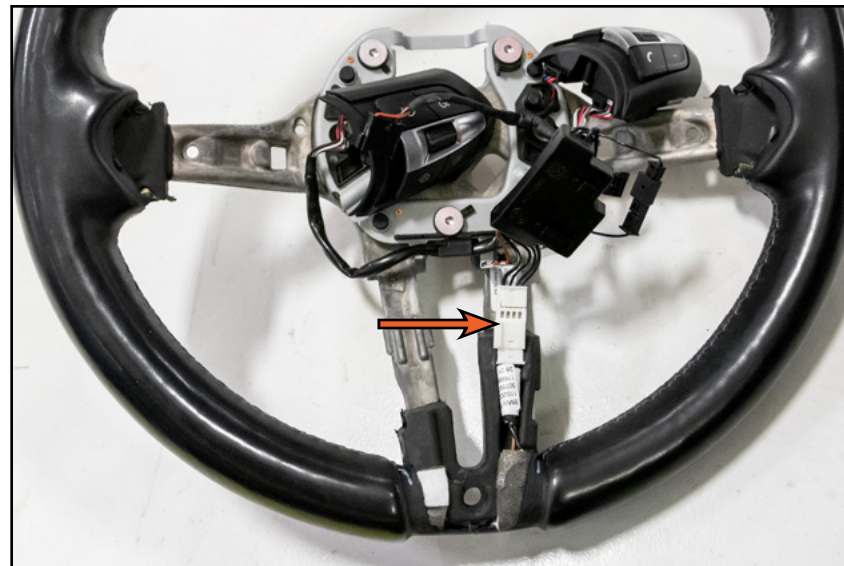
Carefully pry the back trim panel off the wheel, freeing any harnesses which may be attached to it.



REMOVING THE STOCK STEERING WHEEL

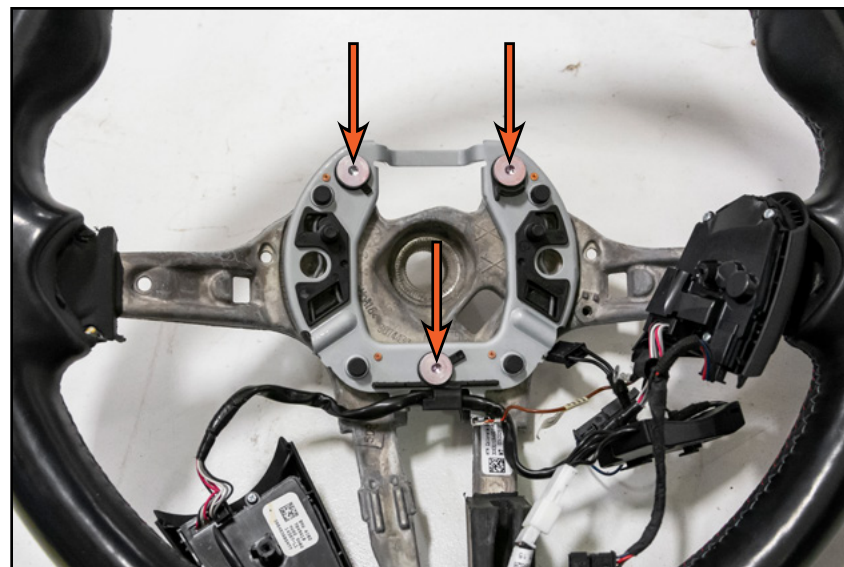
Step 9: Angled Pick

Disconnect the heating element (arrow) and the vibration motor (not shown) connectors if equipped.



Step 10: T20 Torx

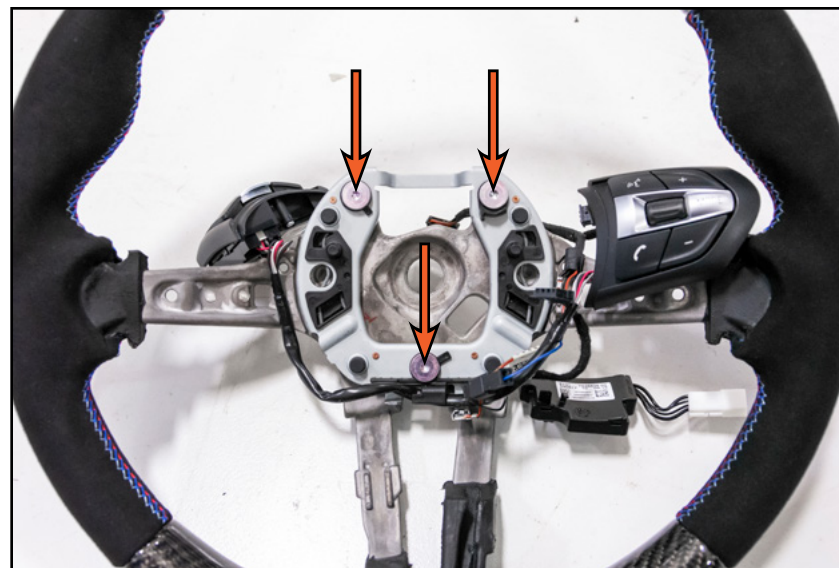
Remove the three bolts (arrows) which secure the base plate to the wheel.



INSTALLING THE NEW STEERING WHEEL

Step 1: T20 Torx

Transfer the base plate, switch panels, and wiring harnesses to the new wheel and tighten the bolts (arrows) until snug.



Step 2:

Reinstall the back trim panel and switch panels as shown, re-routing the wiring harnesses as they were before.



If your vehicle is equipped with paddle shifters, don't forget to swap the paddles over to the new wheel and reconnect the connectors.



INSTALLING THE NEW STEERING WHEEL

Step 3: T20 Torx

Reinstall the front trim panel, then install the screws (circled in **YELLOW**) which secure the trim panel and the ground wire.



Be careful not to over-tighten the screws, over-tightening can damage the wheel.



Step 4: T20 Torx

Install the screws (circled in **YELLOW**) which secure the back trim panel.



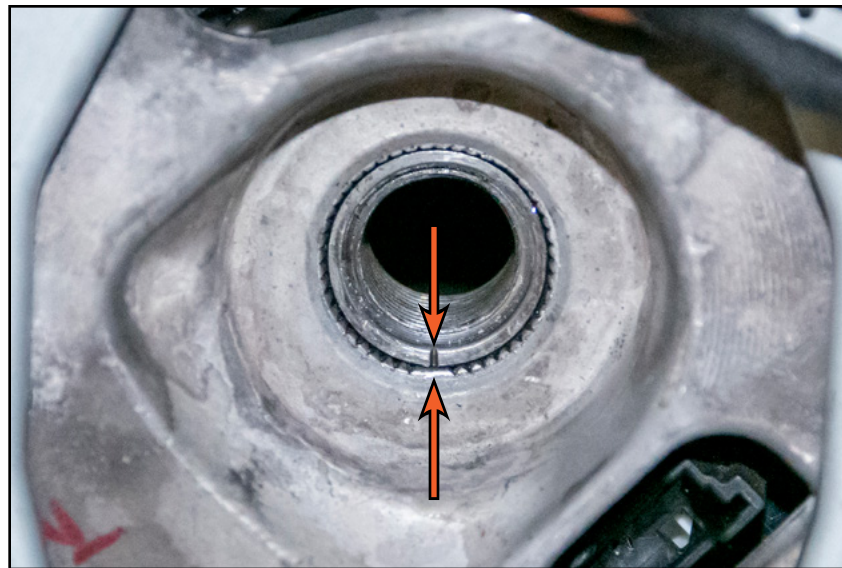
Be careful not to over-tighten the screws, over-tightening can damage the wheel.



INSTALLING THE NEW STEERING WHEEL

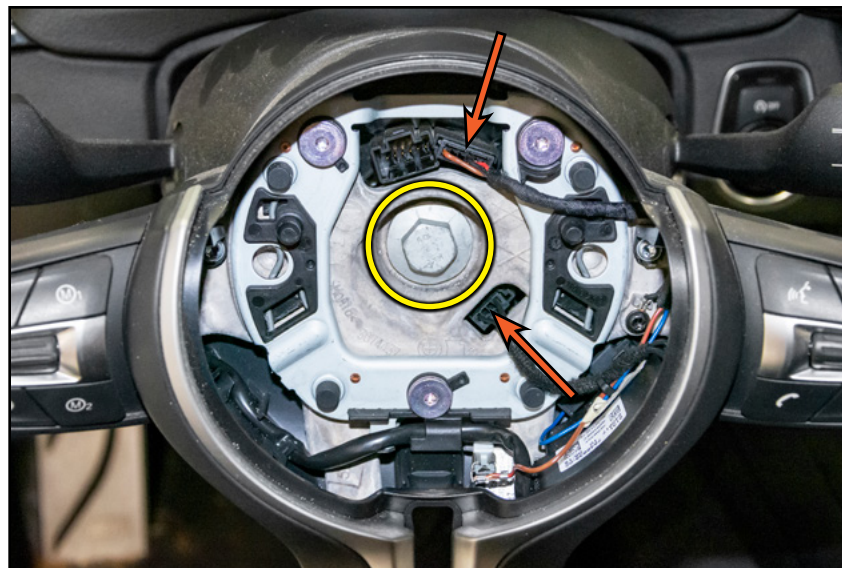
Step 5:

Slide the wheel onto the steering shaft, ensuring that the alignment marks (arrows) on the shaft and new wheel align.



Step 6: 16mm Socket & Torque Wrench

Replace the bolt (circled in **YELLOW**) and torque it to 62 Nm (84 Ft-lbs). Reconnect the two connectors (arrows).



INSTALLING THE NEW STEERING WHEEL

Step 7:

Reconnect the air bag connector (arrow).



Step 8:

Carefully line up the air bag and push inward until both side pop into place. Reconnect the battery.

Congratulations, your installation is complete!



CARBON FIBER CLEANING AND CARE

ECS Tuning Carbon Fiber components are clear coated for excellent finish durability and UV resistance right out of the box.

Carbon fiber can be washed with any gentle cleanser or soap. If it is safe for the paint on your car, it will be safe for the carbon fiber.

Be extra careful not to nick or deeply scratch the clear coat on the carbon fiber. This can lead to water intrusion into the carbon fiber which will damage the finish and the integrity of the carbon fiber.

If the clear coat does get nicked or deeply scratched to expose the carbon fiber, seal the damaged area thoroughly with a clear coat touch up or clear nail polish.

To retain UV resistance and protect the finish, we recommend regular waxing with a high quality carnauba wax.

Small surface scratches and light oxidation can be buffed out using the same methods and cautions you would use on the vehicle paint.

Carbon Fiber Cleaning and Care Kit
(available at ecstuning.com)

[ES#2914954](#)



Your Carbon Fiber Steering Wheel installation is complete!



These instructions are provided as a courtesy by ECS Tuning

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