

Ceramic Knob Retrofit & IHKA Button Replacement

F07 – GT

Trim Removal - Instrument Panel Décor Cover

- Removal same as F01 – Begin from Passenger Side
 - 4 Clips Spaced between Center & Right Vents
 - 2 Clips Near Start/Stop Button

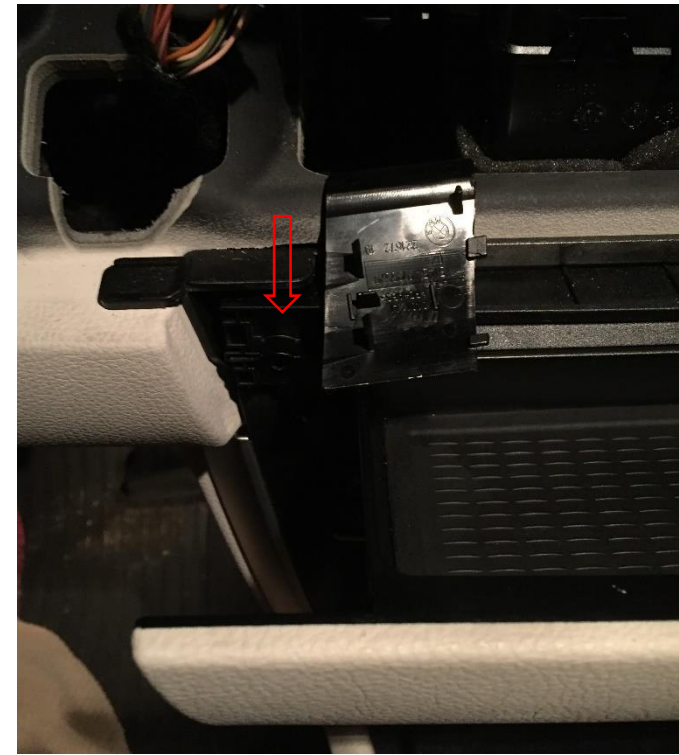


Please see note on following page prior to starting this step

Trim Removal - Center Tray Removal

- F07 Unique Feature!
- Open Tray
 - Unclip black faceplates on right/left
 - Unscrew the T20 torx screws hidden by faceplates*
 - Indicated by Red Arrow

Upon further review I believe it may be possible to pop off the black faceplates from the bottom...if that can be accomplished, you do not have to detach the wood trim



- Remove Tray to Access Top of IHKA Panel



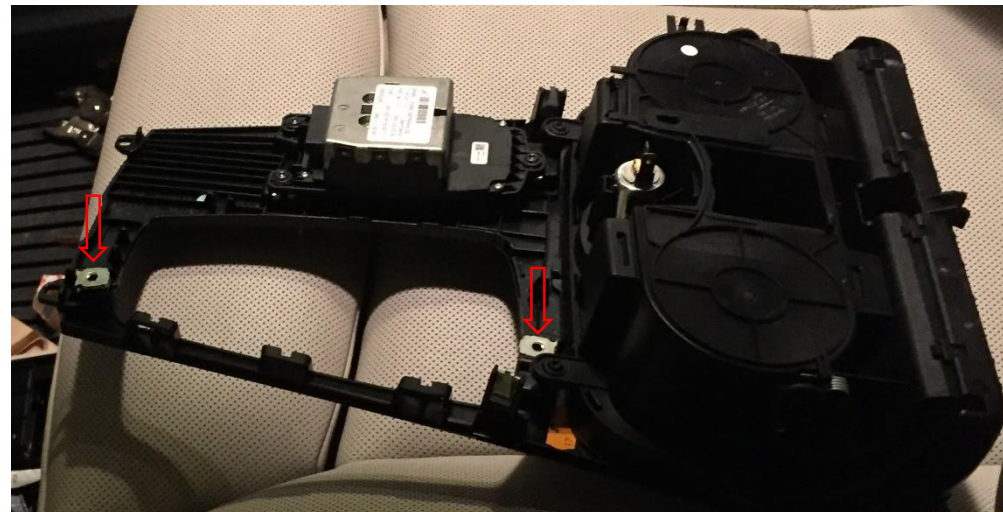
Trim Removal - Center Console Trim Removal



- Remove Center Console Cover
 - Reveals 2 T20 Torx Screws - Unscrew
- Pull Out Cup Holder Rubber Insert
 - Reveals 1 T20 Torx Screw - Unscrew
- Lift Console from Rear
 - Detach Clips (left/right near cup holders)
 - Unlatch electrical harnesses for:
 - iDrive Controller
 - Driving Mode Buttons
 - Parking Sensor Button (if applicable)*
 - Lighter Socket



*Note: The parking sensor electrical harness proved difficult for me as it was so small I couldn't gain leverage to remove. Instead I detached the cluster that contains both the parking sensor and driving mode buttons from underneath (see picture below for location). Using a 1/4" socket wrench worked best due to tight working space.



Trim Removal - IHKA Removal

- Four T20 Torx Screws Hold the IHKA in Place (Red Arrows)

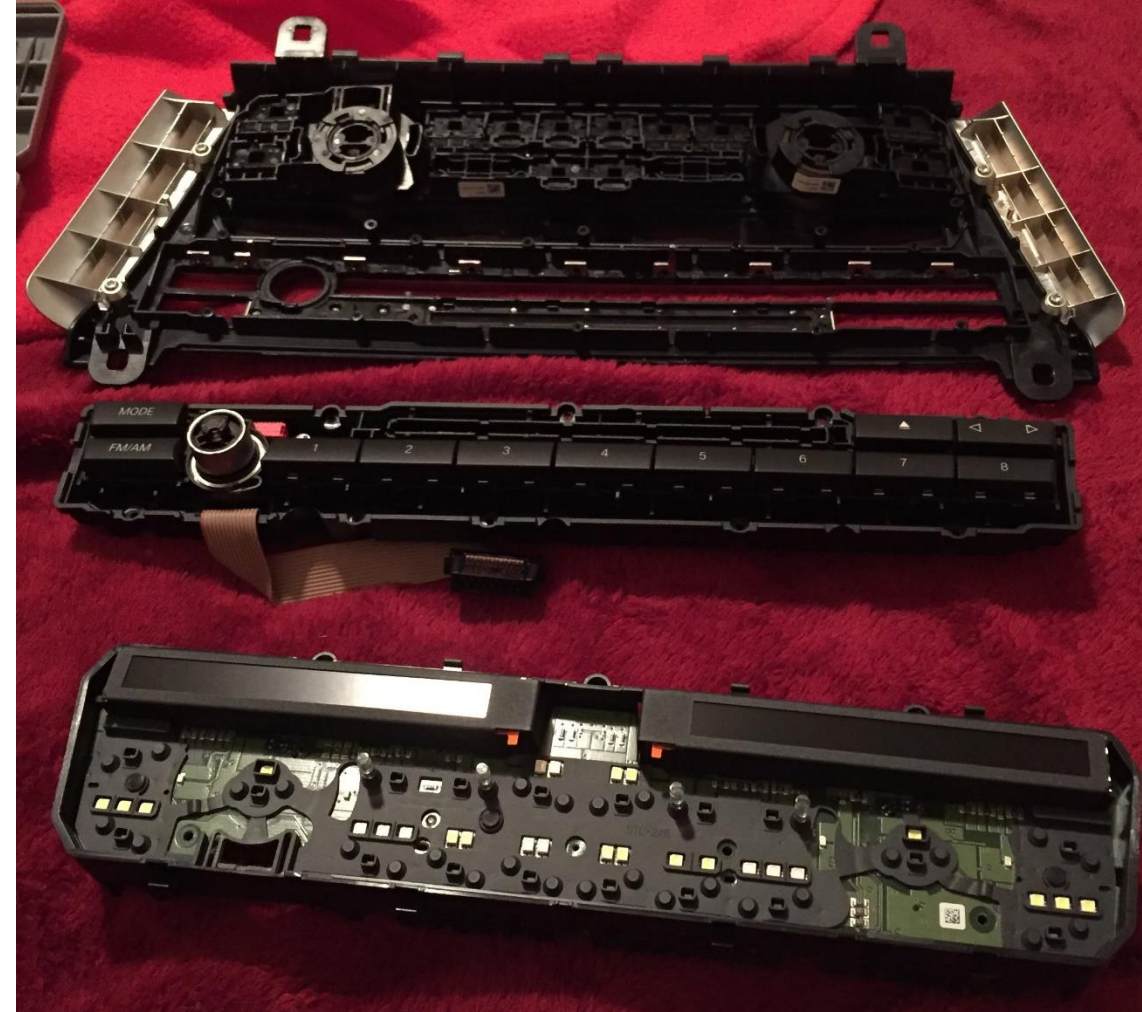


- Detach Electrical Harnesses
 - There are 3 Ridges that hold the Handle in place, depress them to Swing the Handle Down (Arrow shows handle)



Ceramic Knob Retrofit & IHKA Button Replacement

- Disassemble IHKA Panel
 - Disengage Electrical Ribbon Harness
 - Unscrew A/C Panel (T6 torx)
 - Optional (but recommended): Unscrew Temp Sensor Fan*
 - I would not detach the radio panel – it is unnecessary for radio knob removal/replacement



From Top to Bottom: Radio & A/C FacePlate with button assemblies still in place

Radio Control Panel

A/C Control Panel

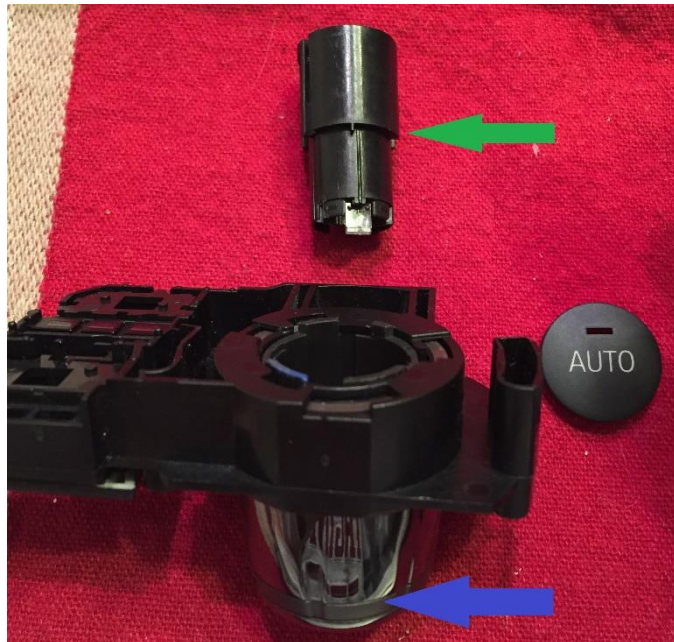
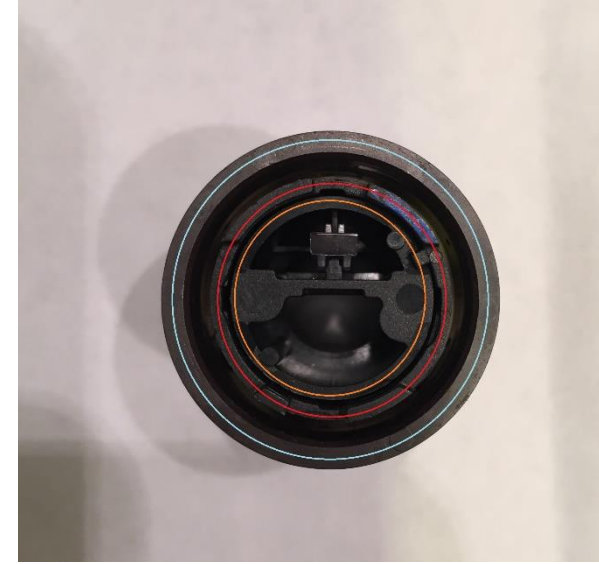
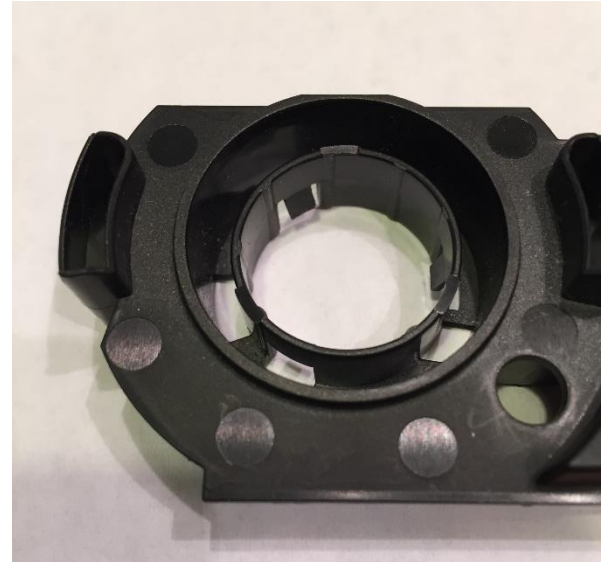
Ceramic Knob Retrofit & IHKA Button Replacement

- Disassembled IHKA Panel (Right)
 - Button assemblies at top are not held in place via any locking mechanism
- Old vs New Buttons (Below)
 - Small tabs hold the buttons on, they are easily pried free



Ceramic Knob Retrofit & IHKA Button Replacement

- A/C Component with Knob Removed (Near Right)
 - Note the tabs (there are three spaced 120° apart)
- Rear of Knob View (Far Right)
 - The red circle has three depressions that match with the tabs mentioned above
 - One of these is accessible via a hole in the red ring after the center piece is removed (as shown below)
 - I suggest using a tool with an angled end to lift up one of the other tabs, with both tabs released the knob slides out with minimal effort.
 - The blue ring rotates freely and the orange ring is the piece indicated by the green arrow in the lowest photo

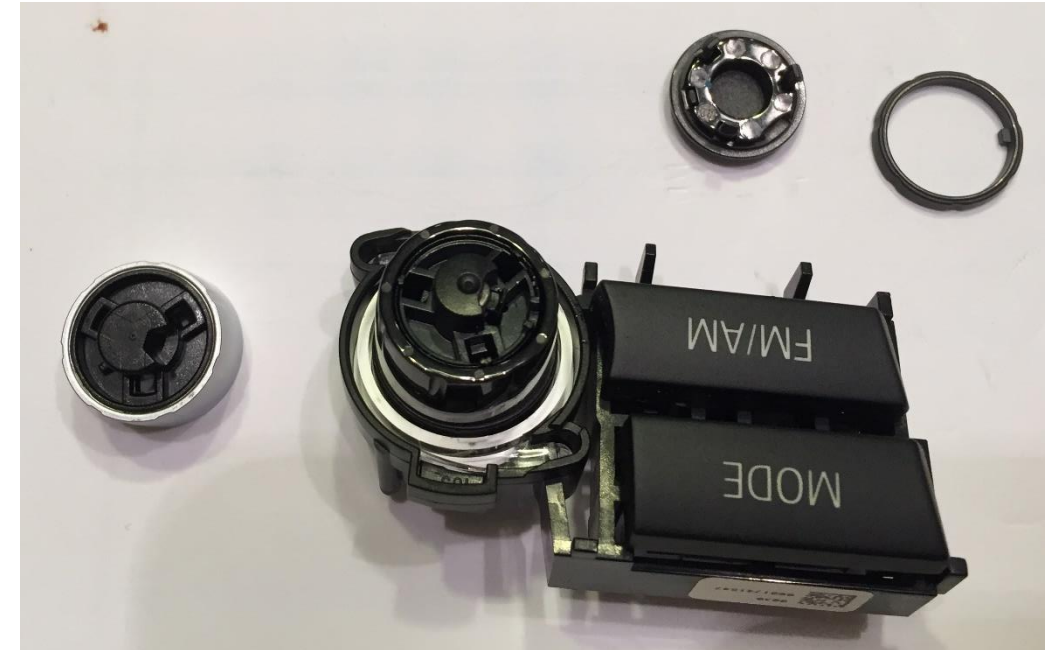
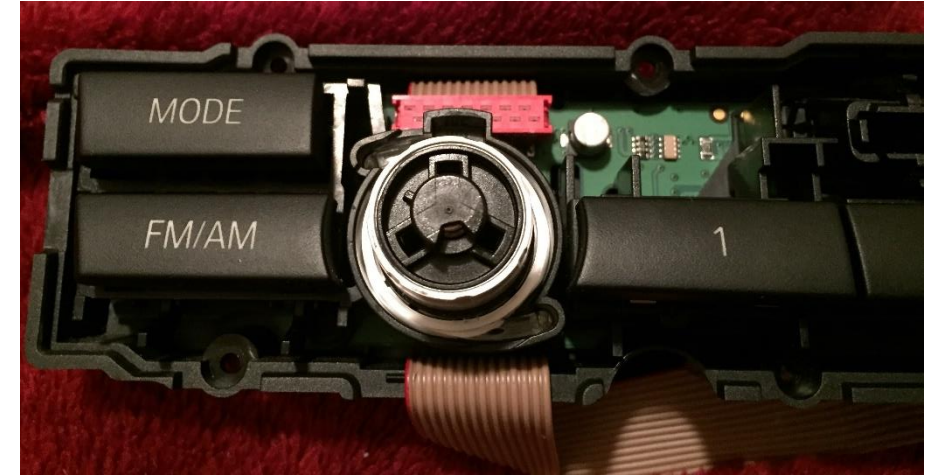


By removing the AUTO faceplate the center piece slides out the back. It cannot come out the front even though you can pop off the front o-ring (blue arrow).

Ceramic Knob Retrofit & IHKA Button Replacement

- Radio Knob

- The cap of the radio knob is easily pulled off by slipping your fingernails between the black o-ring and the “chrome” then pulling.
- The design of the caps are slightly different between the ceramic vs non-ceramic radio knobs so you must pull off the black plastic (as shown bottom left) that is slid onto the metal shaft.
 - This is visible in the lower right hand picture as noted by the inner plastic diameter is larger for the non-ceramic knob.
 - *Removing the radio panel will make this slightly easier, but not worth the hassle due to the touch sensitive knobs (1-8) possibility of not being correctly fitted/contacting the circuit board and causing unwanted activation of the memory storage function when driving*



Ceramic Knob Retrofit & IHKA Button Replacement

Reassemble and you are done!



P.S. Don't repeat my mistake of not taking photos prior to starting work...and do the iDrive controller at the same time as the non-ceramic version looks somewhat out of place now.