

2012+ ML, 2013+ GL W/X166 KeylessGo Connection

The KeylessGo connection for the 2012 ML is quite involved and requires significant disassembly of the rear of the vehicle. This guide assumes the basic Smartkey Starter® is installed and functioning properly.

Tools and Parts you will need

E14 Torx Socket - ML only
T30 Torx Driver - GL only
T45 Torx Bit
T40 Torx Bit
Panel Removal Tool
Pick tool

KG20 Harness

Installation - ML

1. Remove the driver's rear door sill plate.
2. Fold the driver's rear seat bottom forward.
3. Remove (2) bolts holding the seat bottom to the floor.
4. Remove the driver's side rear seat bottom from the vehicle.
5. Remove (1) bolt holding the center seat back bracket and (1) bolt holding the seat belt.
6. Fold the rear driver's side seat back down.
7. Pry up the covers for the tie down loops in the cargo area.
8. Remove the bolts from each tie down and remove the hooks from their mounts.
9. Remove the cargo cover.
10. Remove the foam inserts directly behind the rear seats.
11. Remove (2) additional bolts that hold the driver's side rear seat back.
12. Unclip the wire harness that is clipped to the driver's side rear seat bracket.
13. Flip the driver's side rear seat back into the cargo area making sure the wire harness doesn't get pinched or pulled beyond its limit.
14. Pull up the carpet to access the KeylessGo module on the floor.
15. Route the supplied KeylessGo harness from the Smartkey Starter® module to the rear seat area.
16. Unplug the main connector from the KeylessGo module.
17. Remove the shroud from the main KeylessGo connector.
18. Remove the brown and brown/red wires from the KeylessGo plug. Make a note of the wire locations in the plug.
19. Insulate the ends of the removed wires.
20. Using the supplied W166 KG adapter, populate the brown and brown/red wires into the locations where the factory wires were removed.
21. Reinstall the shroud for the KeylessGo main plug and plug it back in.
22. Close all doors, hood and hatch to test the remote start.
23. Remote start the vehicle. If everything is connected properly, you should be able to lock and unlock the vehicle using the touch sensors on the door handles while the remote start is running.

- 24.Unlock and enter the vehicle. Push the start button one time. The lights should flash three times to confirm key take over.
- 25.Turn off the vehicle.
- 26.Secure the KG20 harness to existing wiring.
- 27.Lay the carpet back in place.
- 28.Remount the seat back and seat belt. Make sure the wire harness is clipped back into place.
- 29.Fold the seat back down and install the foam inserts and the cargo cover.
- 30.Reinstall the cargo tie down hooks.
- 31.Fold the seat back up.
- 32.Reinstall the seat bottom and bolt it in place.
- 33.Reinstall the sill plate.



Remove sill plate



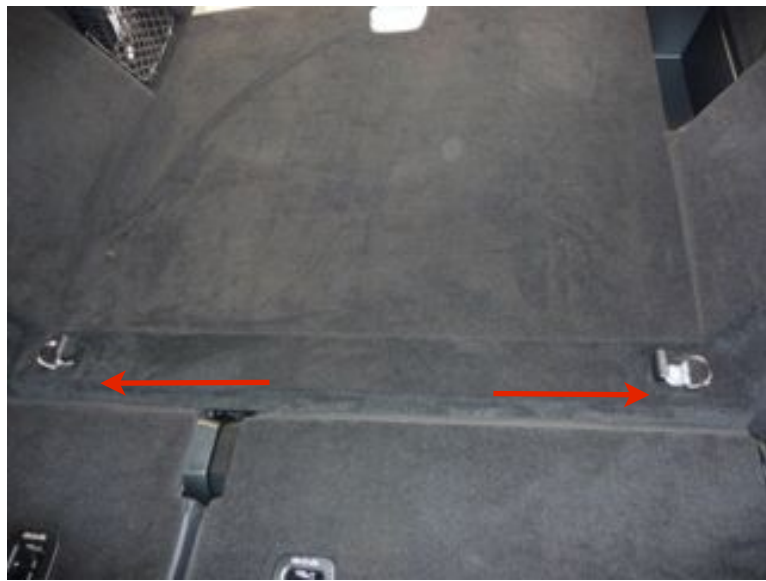
Unbolt seat bottom



Seat bottom removed



Unbolt seat back



Unbolt cargo tie downs



Remove cargo cover



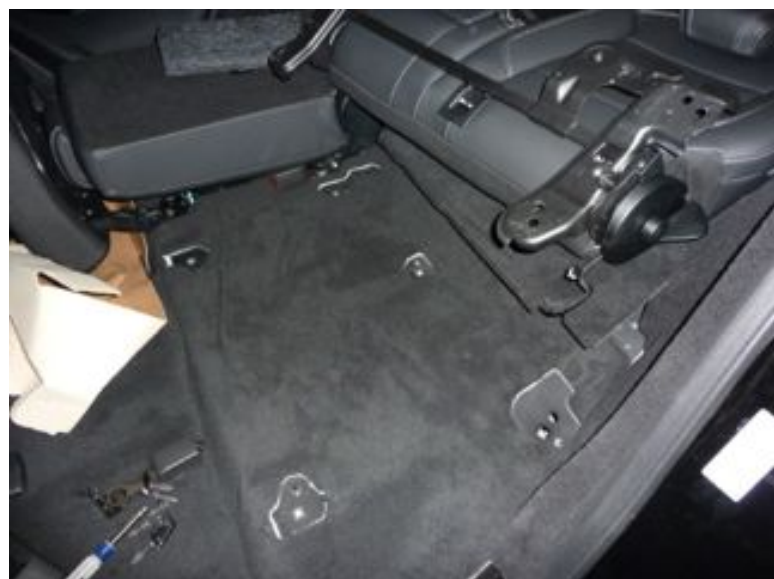
Remove foam inserts



Unbolt seat bracket



Unclip wire harness



Flip seat back into cargo area



Pull up carpet



Unplug KeylessGo module



Shroud removed from plug



New pins installed, reinstall shroud



Plug KeylessGo module in

Installation - GL

1. Remove driver's rear door sill.
2. Fold driver's middle row seat all the way forward.
3. Remove torx bolt holding seat belt to rear side panel.
4. Pull back weather strip on the back side of the rear door opening.
5. Remove (1) T-30 torx from inside the rear retractable cover mount.
6. Pop side panel partially out.
7. Route the 166 KG adapter to the rear side panel area.
8. Reach in and unplug connector on KG module (see picture).
9. Remove the shroud from that connector
10. Remove the brown and brown/red pins from the black connector making a note of their position
11. Install the pins from the 166 KG adapter into the spots where the factory wires were removed.
12. Reinstall the shroud for that plug.
13. Reinstall the plug into the module.
14. Pop the side panel back into place.
15. Reinstall (1) T-30 Torx and cosmetic cover.
16. Reinstall Torx bolt for seat belt.
17. Reinstall driver's rear door sill panel.



Remove door sill



Remove seat belt



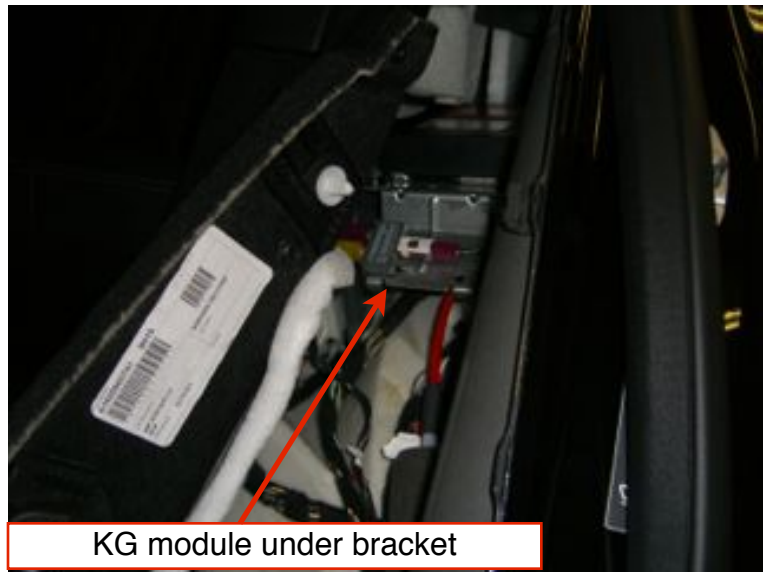
Remove screw cover



Remove T-30

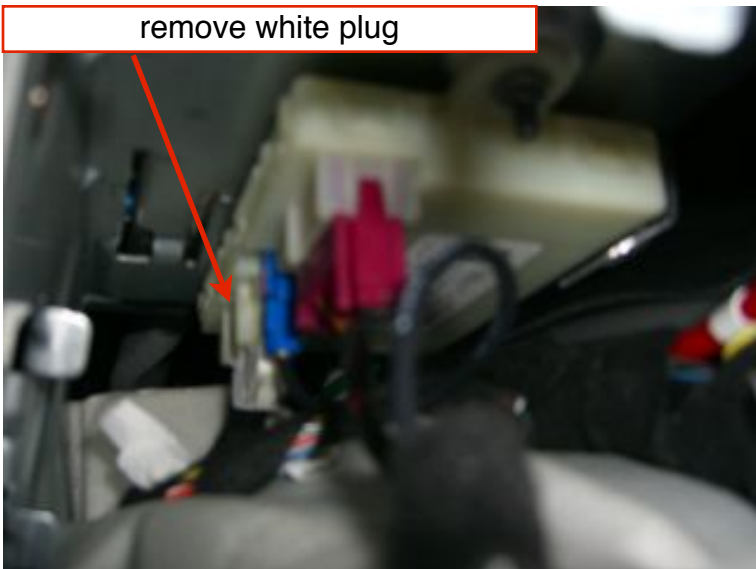


Pull back weather strip



KG module under bracket

Pop out side panel



remove white plug

remove white plug



plug removed



Shroud removed



KG harness properly installed into plug