



Installing Mercedes W166 RAV Tool Box

Installation of a Roadside Assistance Vehicle Tool Box

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 **TOOLS:**

- [Hole Punch \(1\)](#)
- [M10 Allen Socket \(1\)](#)
- [M6 Allen Socket \(1\)](#)
- [M8 Allen Socket \(1\)](#)
- [T30 Torx Socket \(1\)](#)

Step 1 — RAV Tool Box



- 1. Vehicle Preparation
- Remove all loose items from the cargo area. Remove the cargo floor, spare wheel and tool tray.
- Remove rear seats as in WIS instructions (Save seat mounting hardware)

Step 2



- Remove bolt from rear deck sill plate
- Unclip rear deck sill plate and remove.

Step 3



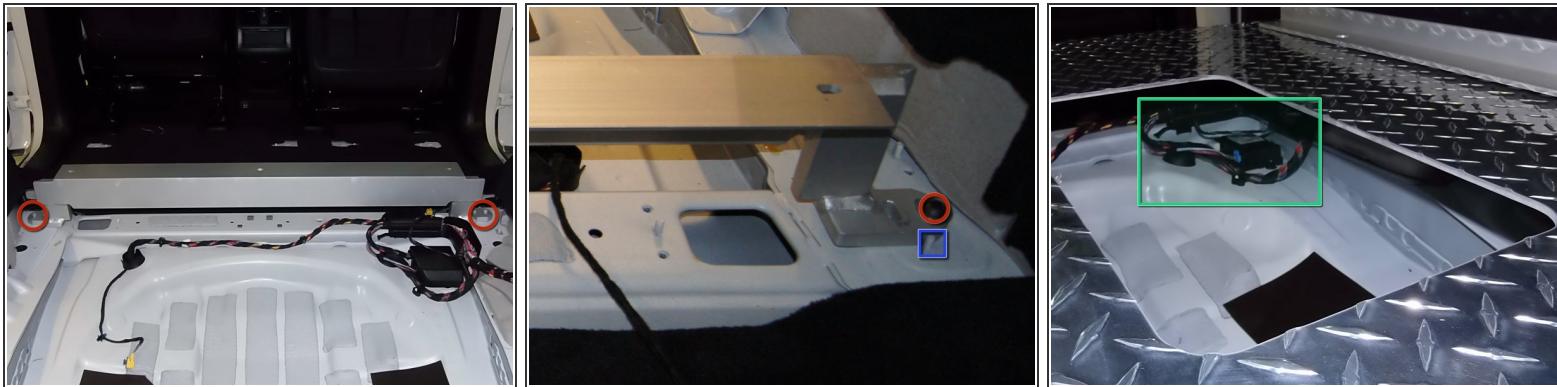
- Remove plastic covers
- Remove Felt liner

Step 4



- Remove side consoles and center support (T30 10 Bolts)

Step 5



- Install and bolt down center support bracket (2 Bolts M10 x 1.5 x35mm 6mm Allen cap, 10mm flat washers)
- Pay attention to the pin to align properly
- NOTE: To service TPMS control module remove drawers ad service through access door in bottom plate.

Step 6



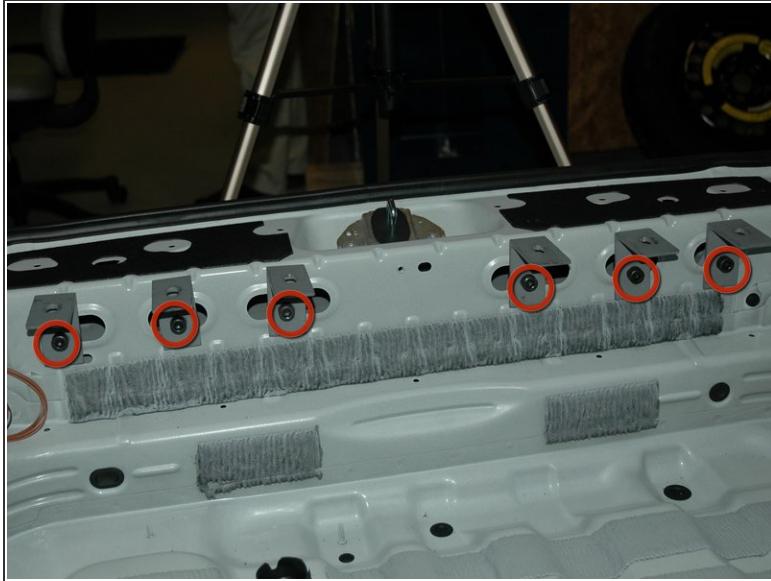
- 2. Installation of Front Box
- Place box inside vehicle. It fits through the rear doors. This is a 2 person job.

⚠ Mount front legs on front consoles, tighten loosely (**2 Bolts M10 x 1.5 x35mm 6mm Allen cap, 10mm flat washers**). Pay attention not to break off the alignment pin, which will be inside the post after mounting.

ⓘ DO NOT mount the box to the center bracket at this point

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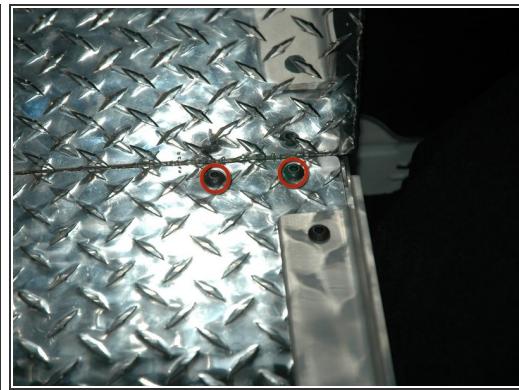
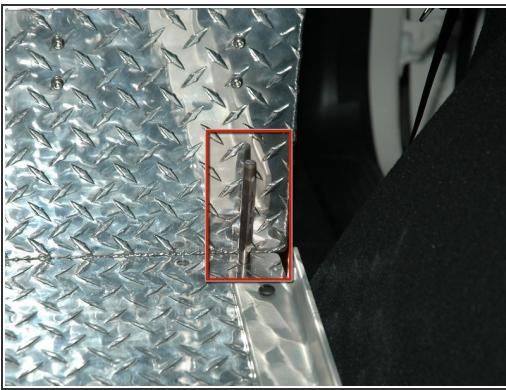
Step 7



● 3. Installation of the rear plate

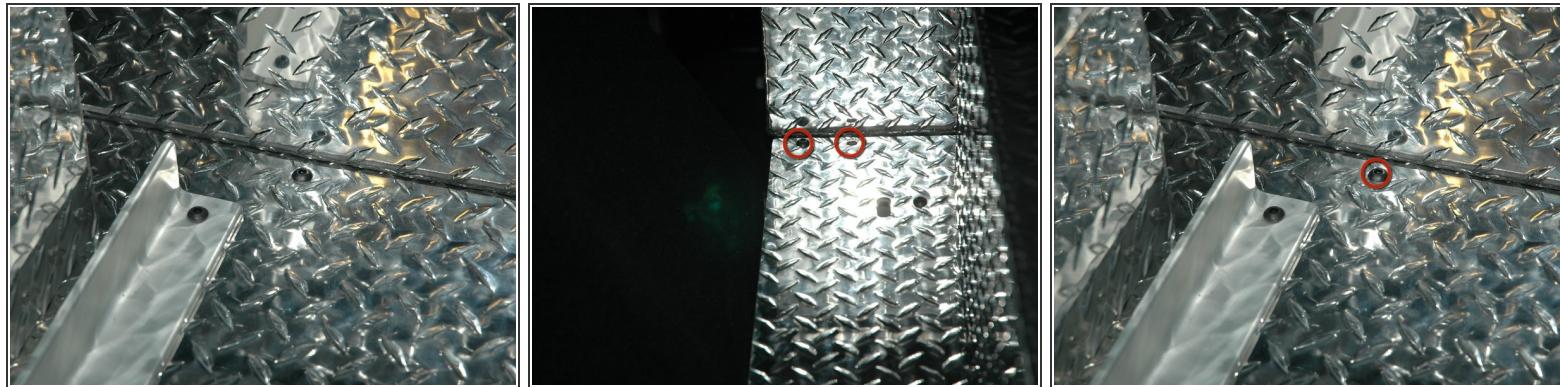
- Install 6 rear support brackets and tighten finger tight

Step 8



- Set plate on brackets and align, overlapping the base plate of the front box on the center support bracket.
- Use punch tool to align holes and drop in 2 bolts M8 x 1.25 x 40mm in holes on each side and one bolt M8 x 1.25 x 30 in the center hole.

Step 9



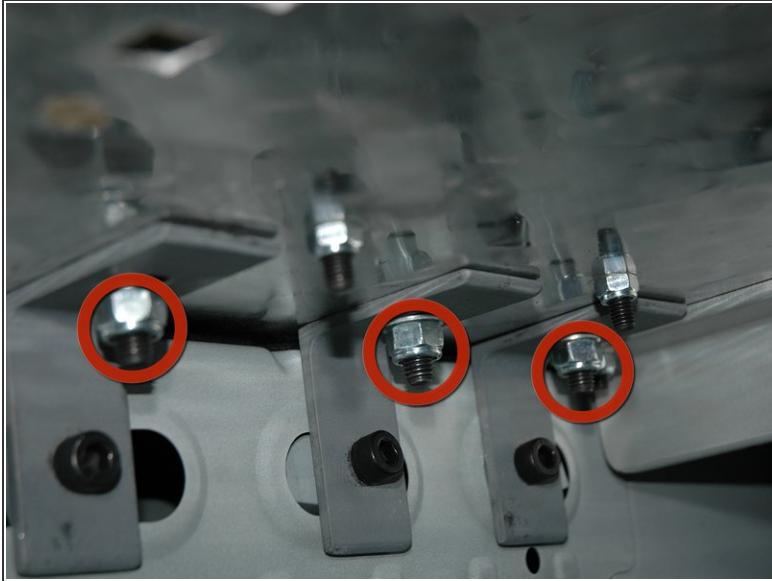
- Secure plate to center support bracket with 2 bolts on the outside and one in the middle, align and finger tighten

Step 10



- Install 3 bolts securing base plate to vehicle frame
- and 4th bolt securing the tool box rail to the base plate and vehicle frame.
- Put bolt sizes in

Step 11



- Install and loosely tighten 3 M8 black oxide bolts on each side until L bracket touches the underside of the base plate

Step 12



- Fully tighten M8 (20 Nm)
- Fully tighten M6 (8 Nm)

Step 13



- Fully tighten M10 bolts (35 Nm)

Step 14



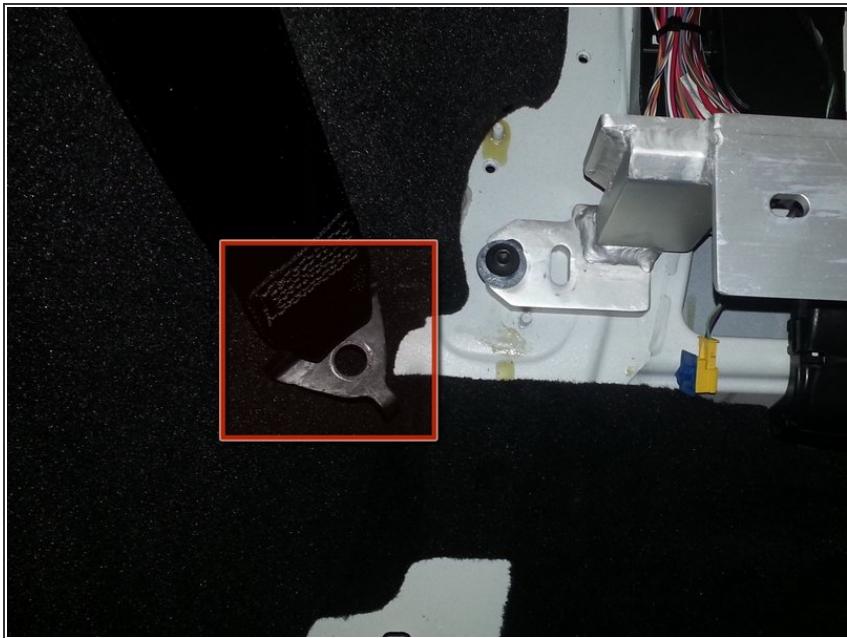
- 4. Install box
- Remove drawers and slide box on rail guides, align with bolt holes
- Install 6 (M12) bolts and fully tighten to 66 Nm

Step 15



- Install drawers.
- After drawer is installed move rail clip to locked position

Step 16



- Fasten seat belt with bolt to floor