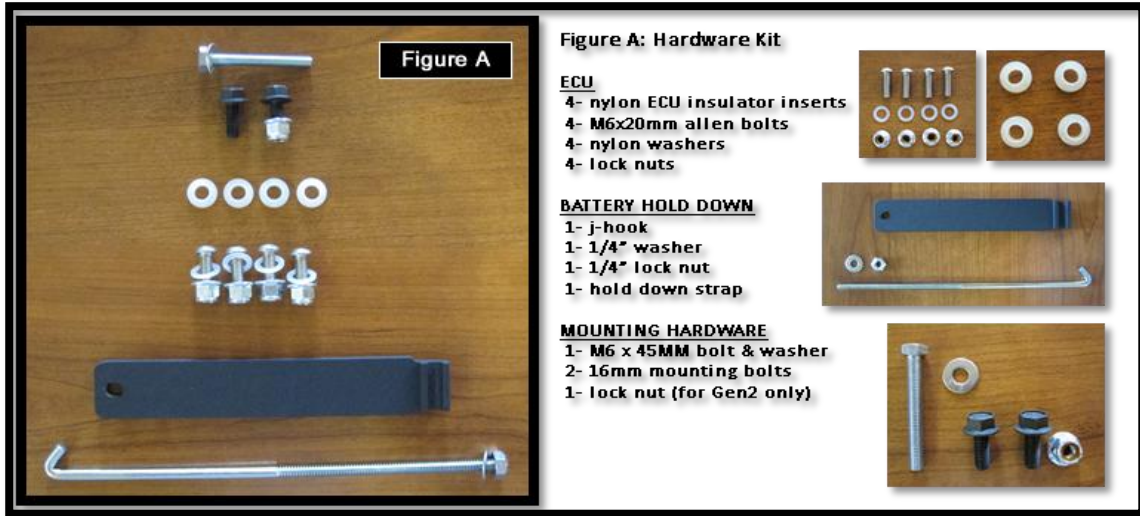


Installation Guide for Gen1 Gen2 Mazdaspeed3 Battery Tray

These instructions are intended for use as a general guide while installing HTP's battery tray for Mazdaspeed3. HTP is not liable for parts which are installed incorrectly.



Tools Needed:

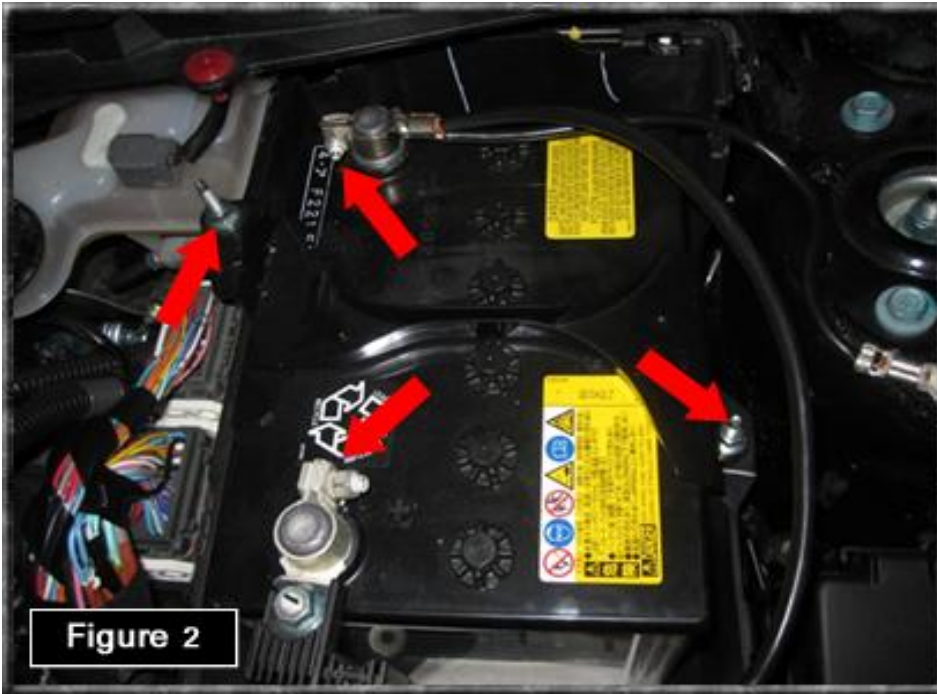
- ratchet	- 10mm socket	- 10mm wrench
- extension	- 7/16" socket	- 4mm or 5/32" allen wrench

INSTRUCTIONS:



STEP 1: Remove the battery cover by releasing the retaining tabs on the side of the cover. (See Figure 1)

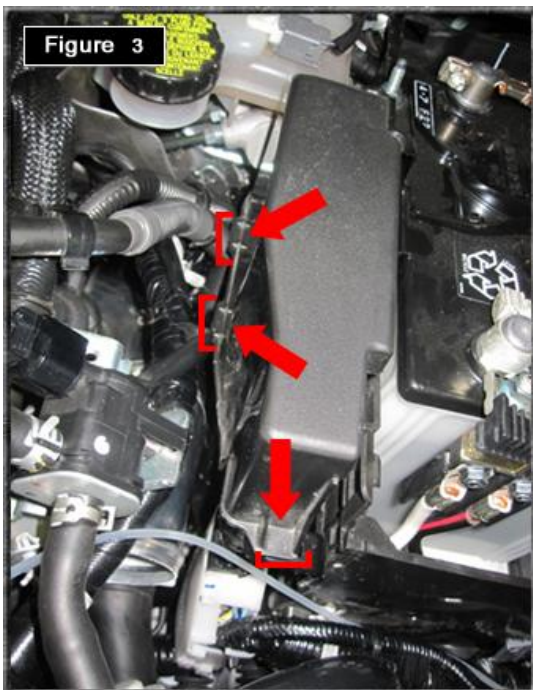
Installation Guide for Gen1 Gen2 Mazdaspeed3 Battery Tray



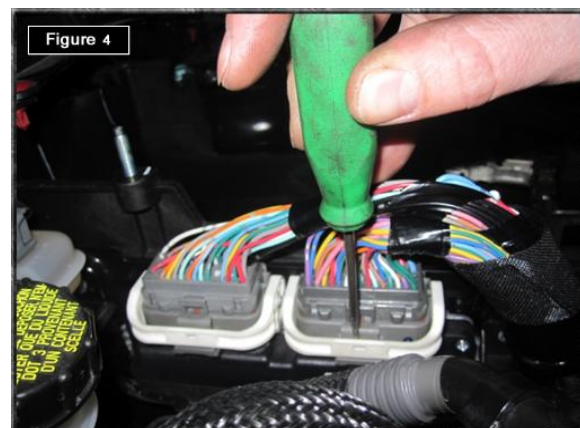
STEP 2: Using a 10mm wrench, disconnect the negative battery terminal and move it aside. Do the same with the positive terminal. (See Figure 2)

STEP 3: Remove the (2) 10mm nuts on the battery hold down. Remove the battery hold down bracket and remove the battery. (See Figure 2)

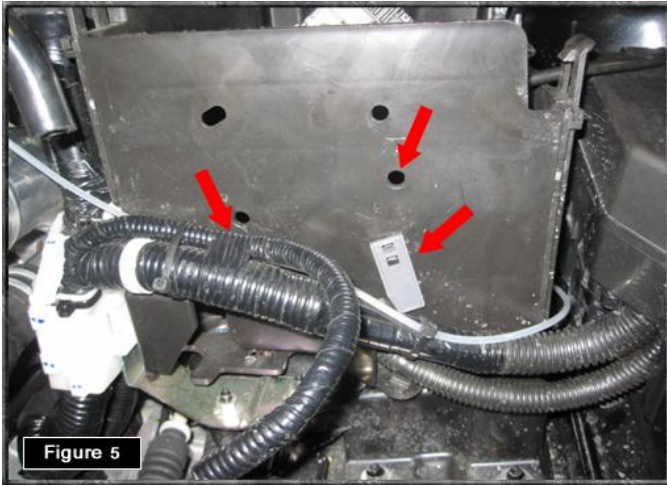
STEP 4: Remove ECU cover by pushing in retaining tabs. (See Figure 3)



STEP 5: Disconnect ECU connections by inserting a small flathead screwdriver or pick and gently pry up to release. Lift the white connection lock the rest of the way by hand and move connectors aside. (See Figure 4)

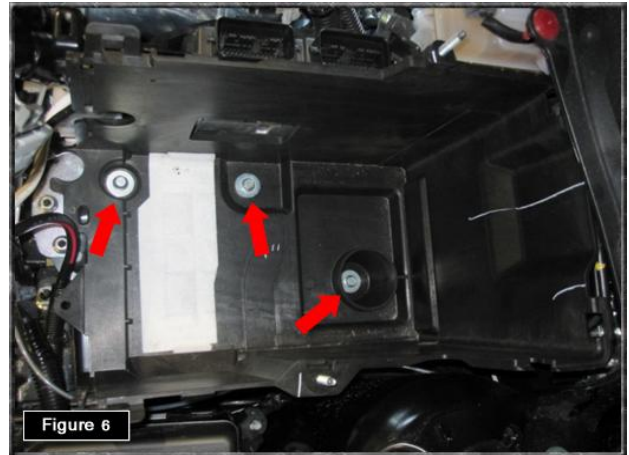


Installation Guide for Gen1 Gen2 Mazdaspeed3 Battery Tray



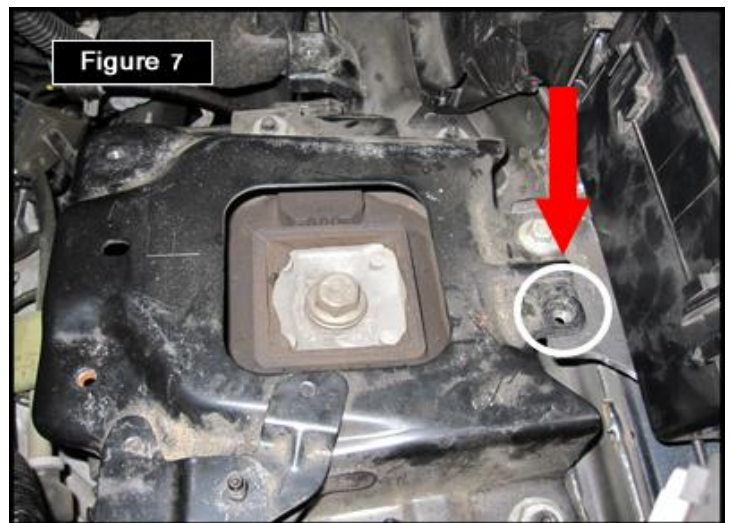
STEP 6: Remove the wiring hold down on the front of the battery tray and then remove the battery tray front cover by sliding it up. (See Figure 5)

STEP 7: Remove (3) battery tray bolts with a 10mm socket. Lift up the front of the tray to clear wiring and pull towards the front of the car to remove. (See Figure 6)



STEP 8: Loosely install (1) M6 x 45mm bolt and washer into recessed hole.

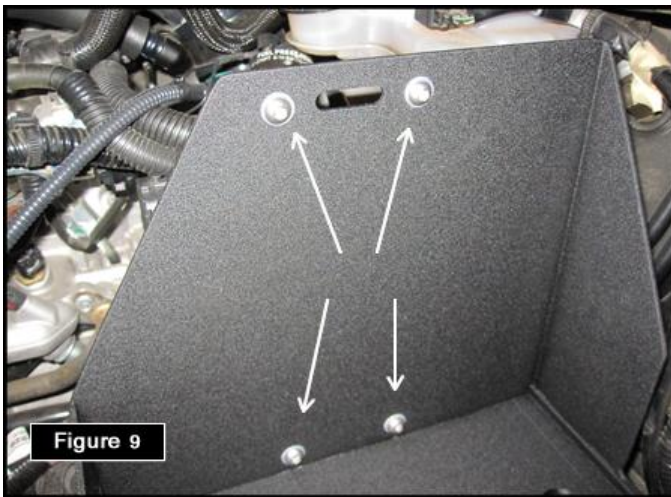
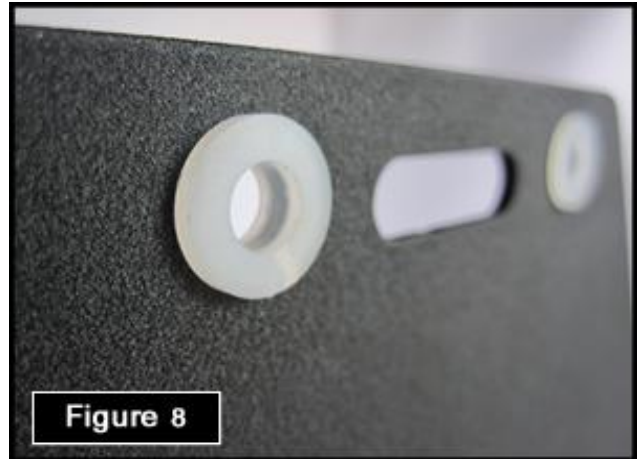
STEP 9: Line up and loosely install (2) M6 x 16mm mounting bolts. *2nd Gen vehicles need to use a nut (provided) on the bracket next to the fuse box. Tighten bolts. (See Figure 7)



Installation Guide for Gen1 Gen2 Mazdaspeed3 Battery Tray

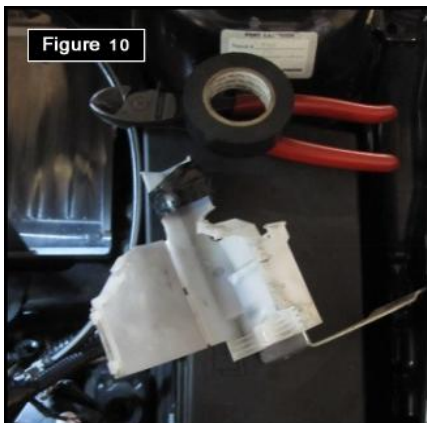
STEP 10: Install (4) flanged nylon ECU isolator inserts on the outside (the ECU side) of the battery tray. (See Figure 8)

TIP: For polished trays only, we recommend spraying an adhesive or using a dab of silicone on the ECU isolater inserts to help them stay in place.



STEP 11: Install ECU using (4) M6x20mm allen bolts, (4) nylon washers, & (4) lock nuts. Center nylon washers on ECU isolator inserts and tighten down. (See Figure 9)

STEP 12: Remove & discard white plastic wire harness bracket. Separate battery cables from harness & then re-tape harness. Reconnect ECU. (See Figure 10 & Figure 11)



Installation Guide for Gen1 Gen2 Mazdaspeed3 Battery Tray

STEP 13: Install battery. Secure j-hook, battery hold down top strap, 1/4" washer (to protect powder coat finish) and install 1/4" lock nut. Tighten down.

STEP 14: Reconnect battery.

Extra mounting holes are for installing optional equipment
(boost controller etc.)

