907SMRTPSM SmartIdle® for W907 Sprinter w/ PSM Gateway Harness Installation Manual

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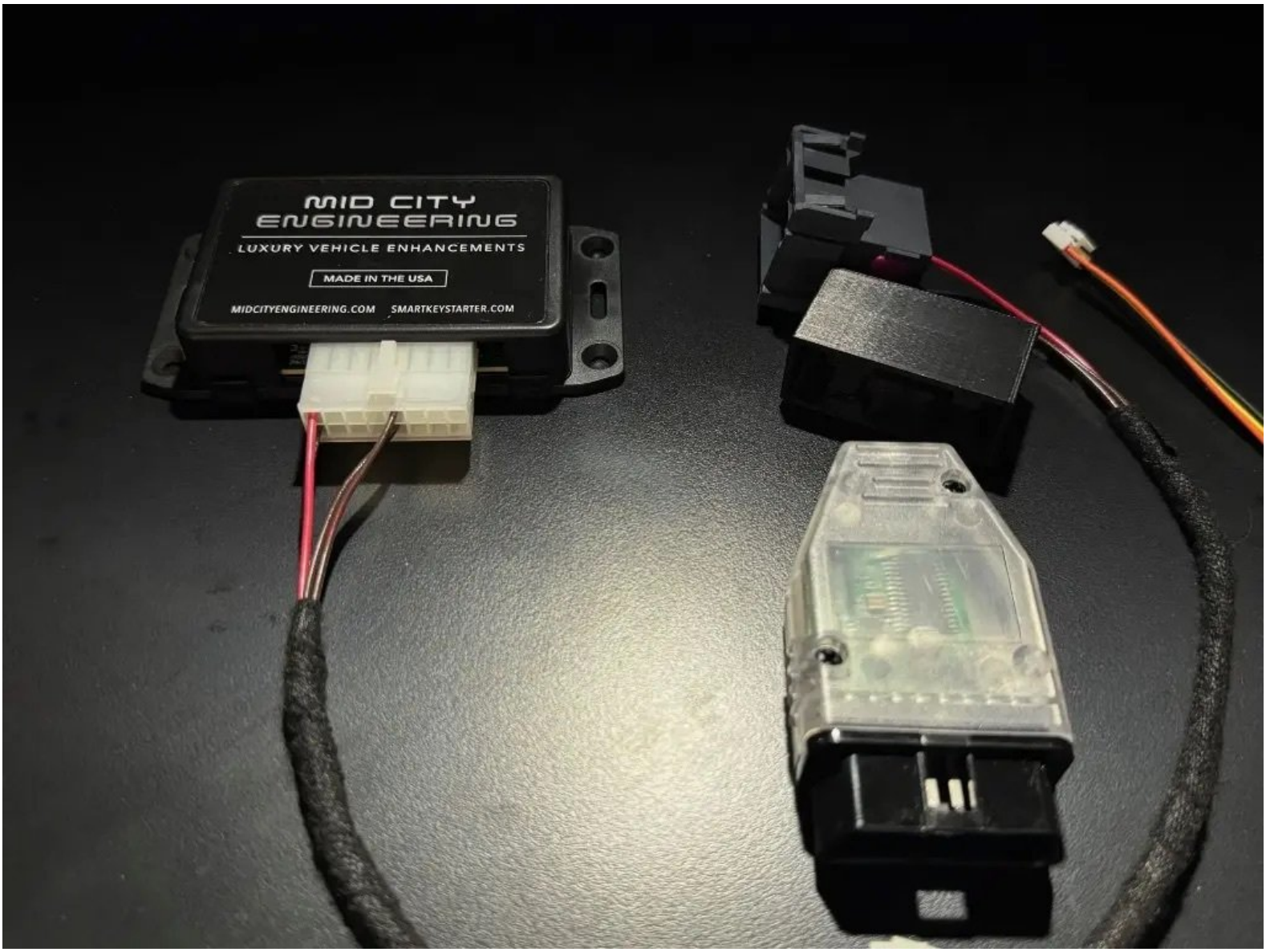


PARTS:

- 907SMRTPSM (1)

Step 1 — OBD Programming



- To make sure that CAN network is awake, turn ignition on (without OBD programmer plugged in)
  - To turn ignition on, press the push to start button 2X without your foot on the brake
- Within 5 seconds of turning ignition off, plug OBD programmer in and turn ignition back on (without starting engine) by pressing the push to start button 2X without your foot on the brake
  - When ignition is on, you will see all warning lights illuminated on the dash, if you do not see the warning lights illuminate, the vehicle is likely in ACC and not ignition.
- There is an LED inside the OBD programmer case that will illuminate when it is plugged in. Once programming is complete, the LED will turn off
- If LED begins to flash, the programmer has already been used and locked to another VIN. The OBD programmer is a 1 vehicle use programmer. Once used on a vehicle, it is locked to the VIN. The programmer can be used to program the same vehicle multiple times.

- For vide steps, follow OBD programming instructions: Custom OBD Programmer Instructions
  - Use default programming option (stalk neutral).

Step 2 — Disconnect chassis battery ground



There is a battery quick disconnect that should be used to disconnect the chassis battery ground before performing this bypass

⚠ The battery disconnect instructions are for general reference only. For instructions and chassis specific details, refer to your vehicles owner manual before performing this disconnect.

Vehicle ignition must be off for at least 20 minutes before using battery disconnect

- Battery disconnect is located under the driver side dash to the right of the accelerator pedal
- Remove access panel above and to the right of the accelerator pedal

Step 3 — Un-plug battery quick disconnect cable

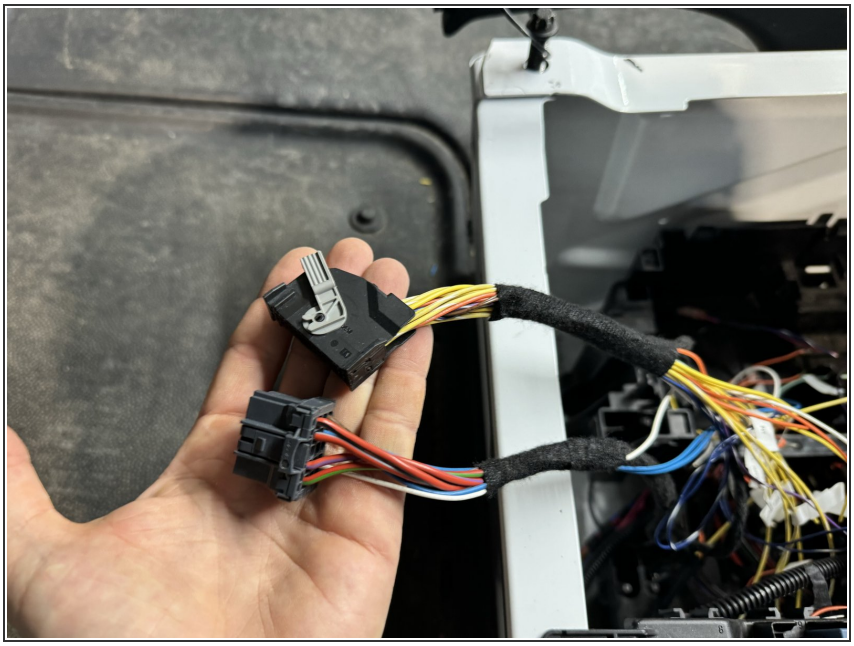




- Locate battery quick disconnect cable behind access panel
- There is a red tab on the top of the disconnect cable. To release the cable from the post, the red tab needs to be pushed downward
- Push the red tab downward to release the cable and pull towards the rear of the cable at the same time to remove cable from post

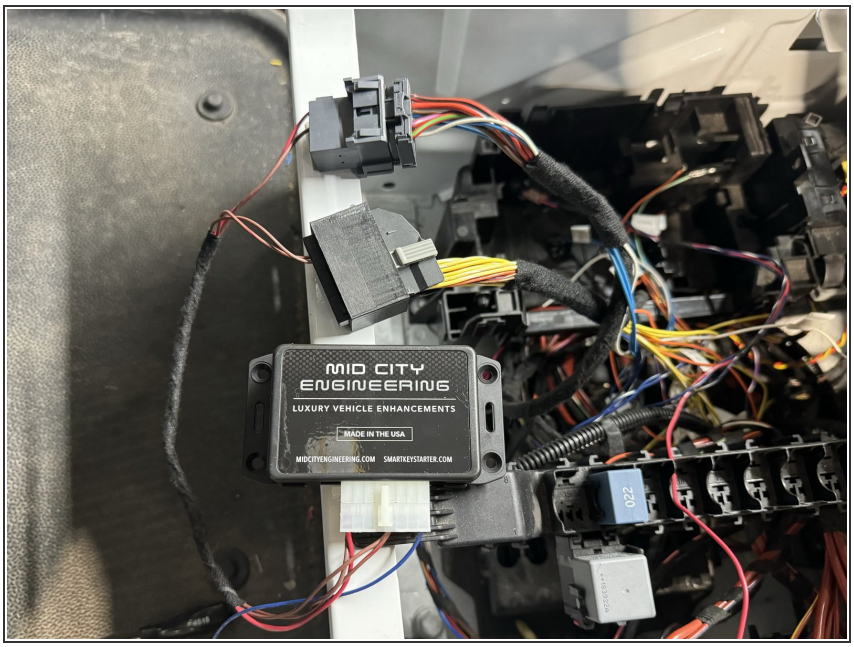
⚠ Carefully place battery disconnect cable to the side

Step 4 — Locate PSM harnessing underneath driver seat



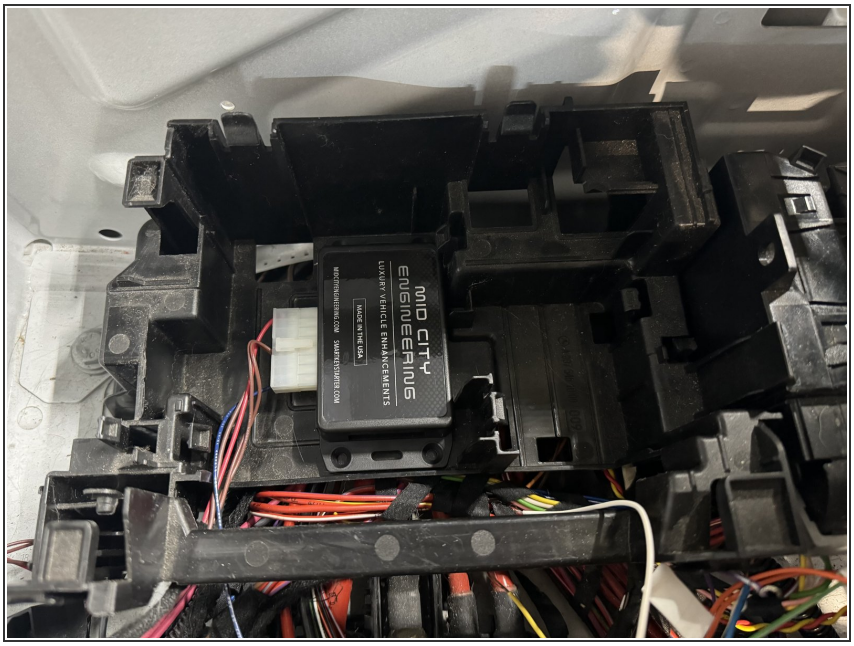
- Remove driver front seat
- In the compartment under driver seat, locate PSM harnessing
  - If there is a PSM module plugged in, unplug it
- Locate 32 pin black plug with gray latch
- Locate 15 pin plug

Step 5 — Connect harnessing



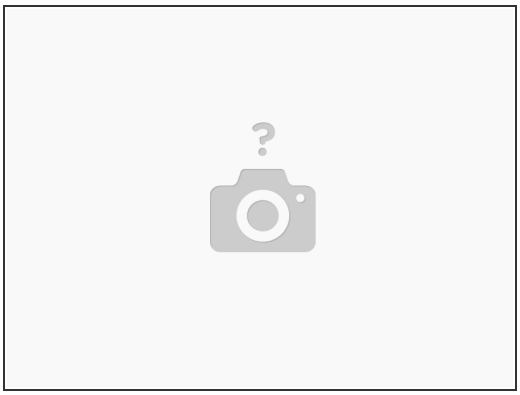
- Connect 32 pin OEM plug with gray latch to male 32 pin plug from SKS-PSM-JR
- Connect 15 male plug from harness to 15 pin OEM female plug

Step 6 — Mount module



- Securely mount SKS-PSM-JR module as shown in picture.

Step 7 — Select operation mode



- The 907SMRT-PSM has selectable operation modes.
  - Default: the high idle will be activated by engaging the parking brake and then using the high beam/turn signal stalk.
    - Default operation is as follows: 1. Engage parking break 2. Pull high beam stalk towards operator to activate high idle. 3. Press the turn signal stalk up to increase RPM and down to decrease RPM.
  - Switch mode: the high idle will be activated by engaging the parking brake and grounding the yellow wire.
    - To put the system into "switch mode" connect the orange wire on the 6-pin pigtail to chassis to black wire on 6-pin pigtail (chassis ground).
    - If using a switch, connect one side of the interrupt switch to the yellow wire on the 6-pin pigtail and connect the opposite side of the switch to the black wire on the 6-pin pigtail (ground)
    - Switch mode operation is as follows: When the yellow wire on the 6-pin pigtail is grounded and the parking brake is on, high idle will be on. Use turn signal stalk up and down to increase and decrease RPM.