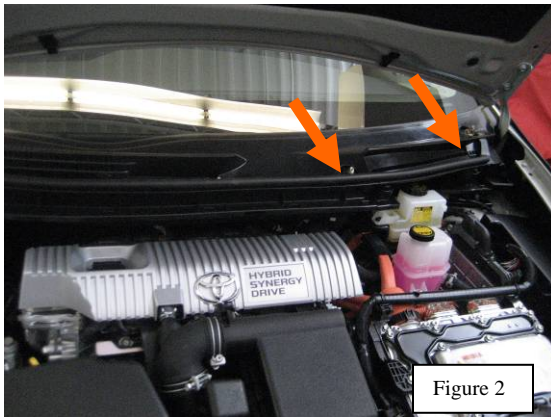


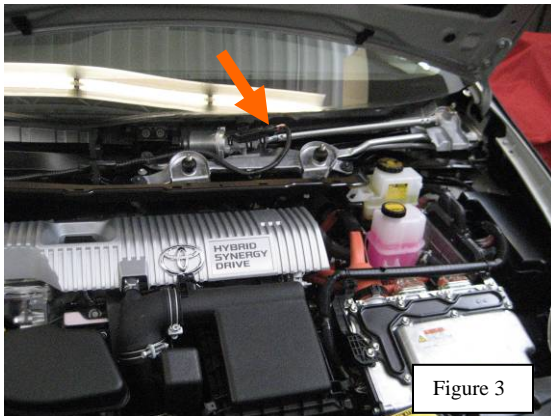
2010 PRIUS; 2ZR – FXE



- ⚠ 1. Coat the core hole and the cartridge heater (body only, not terminals) with NSCG silicone grease G-624 to ensure good heat transfer, and prevent moisture (salt splash) from entering the hole (Figure 1).



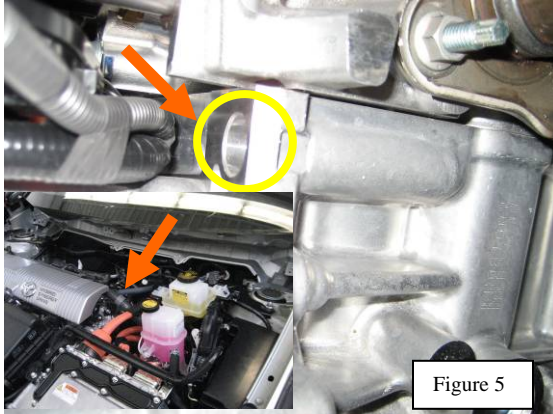
- ⚠ 2. Remove wiper arms and cowl panel. Please refer to the appropriate repair manual if additional information is required to perform this step (Figure 2).




- ⚠ 3. Remove wiper motor module. Please refer to the appropriate repair manual if additional information is required to perform this step (Figure 3).




- ⚠ 4. Remove inner cowl tray. Please refer to the appropriate repair manual if additional information is required to perform this step (Figure 4).




- 5.  The heater cartridge hole is located on the left hand side of the engine above the transmission bell (Figure 5).



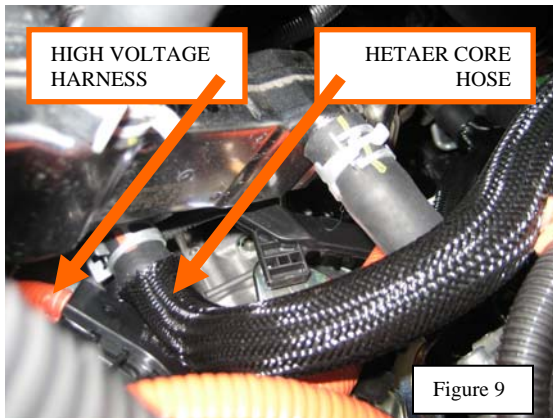
- 6.  For ease of installation, first, assemble the plug of cord set to the heater and lubricate the heater with lubricant provided. Note: The clip matches the cable as it comes out of the heater (Figure 6).



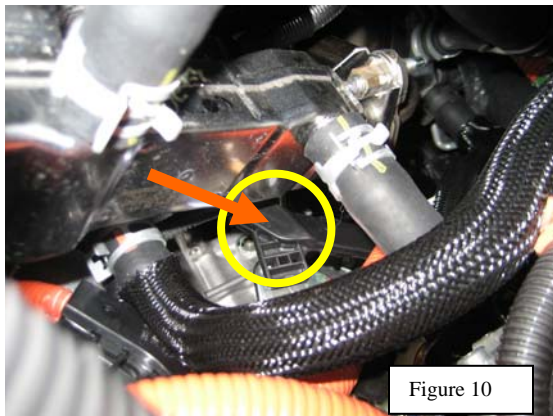
- 7.  High Voltage Wire Harness release – top of the transmission bell. Remove bolt that keeps High Voltage Wire Harness secured to transmission bell (Figure 7).



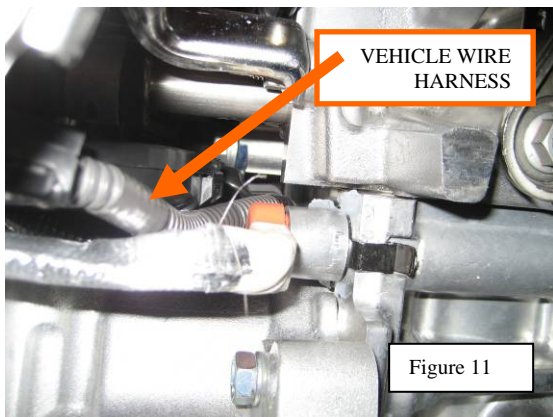
- ⚠ 8. High Voltage Wire Harness release – top of the transmission bell. Release clip located beside the inverter coolant reservoir (Figure 8).



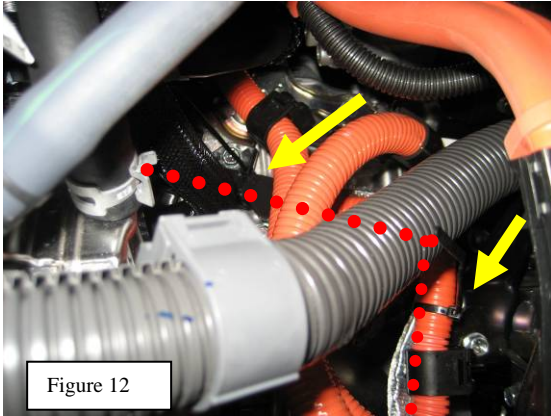
- ⚠ 9. High Voltage Wire Harness release – top of the transmission bell. Pull the High Voltage Wire Harness up from the bell to in front (slightly above) of the heater core hose (Figure 9).




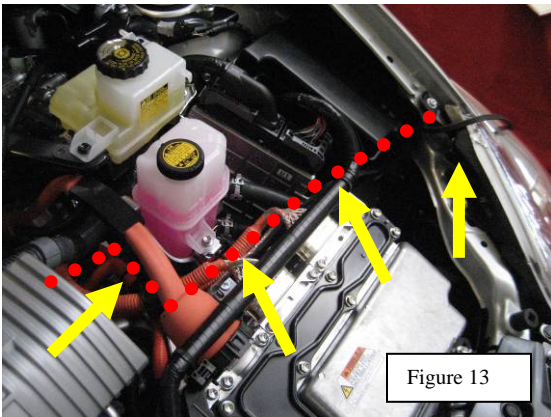
- ⚠ 10. High Voltage Wire Harness release – top of the transmission bell. With panel removal tool release clamp that secures Vehicle Wire Harness (Black). This wire harness is located right above / in front of the block heater cartridge hole (Figure 10).




- ⚠ 11. Vehicle Wire Harness release – top of the transmission bell. Push the wire harness away from the block heater cartridge hole to gain access to the opening. Install the block heater cartridge. Clip directions is 3 O'clock and the plug comes out of the heater at 3 O'clock (Figure 11).



-  12. Start routing the block heater cord below the Vehicle Wire Harness (Black) securing it with cable ties. Continue routing along High Voltage Wire Harness (Figure 12). Make sure block heater cord is slack to compensate engine movement/vibration. Avoid any interference with any moving parts and stay away from exhaust and hot parts. Cord end is to be secured using a hole in the LH fender bracket underneath the tip of the LH headlight. Ensure cord is firmly secured without any bend (Figure 14).



-  13. Once block heater is secured re-install loosened Black and High Voltage Wire Harness back into original position (Figure 13).

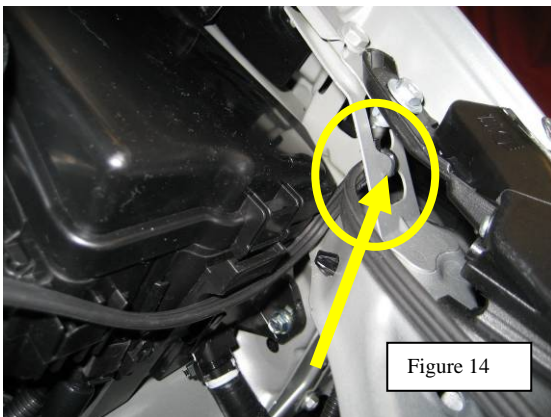


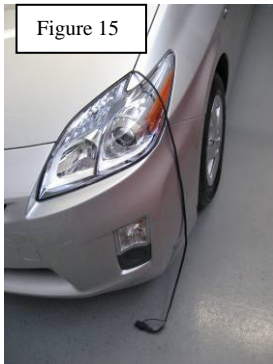
NOTE: Avoid any cord interference with any moving parts and stay well away from exhaust pipe and hot parts.

● ● ● Red line represents the Block Heater cord routing.



Yellow arrow represents cable tie.





NOTE: Make sure AC electrical terminal is completely out of the engine bay when hood is closed, and the cord can move freely between headlamp and hood edge (Figure 15).



14. Store excess cord and AC terminal in the area between LH Headlamp and the inverter (Figure 16).

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

Look For:

Accessory Function Checks

- 1. Make sure the clip of the heater is fully seated.
- 2. Make sure the socket of the cord is fully assembled to the heater.
- 3. Make sure the cord routing does not interfere with any hot and moving parts
- 4. Make sure the protector cap is assembled to the male plug.

Vehicle Function Checks

- 1. Start the engine and check for any abnormal sound.