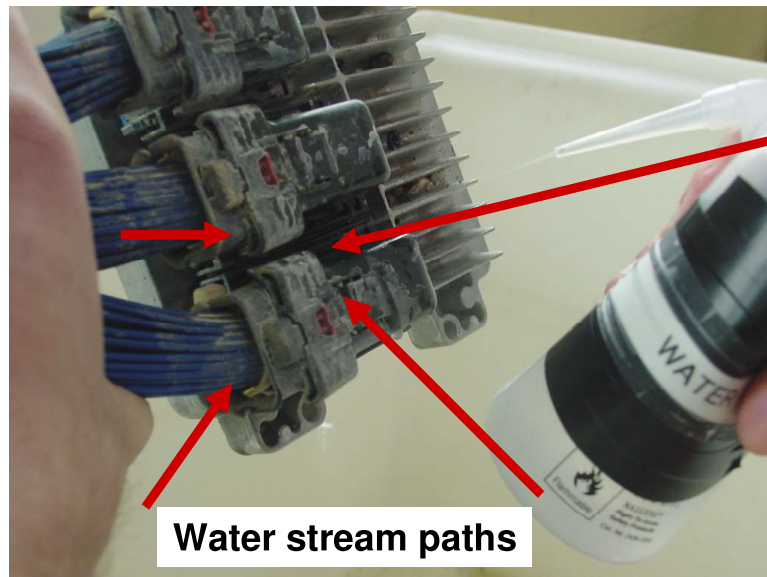


Section 11 (Appendix B): Cleaning Instructions

STEP 1: While the ECM connection is secure, use a small squirt bottle to squirt water liberally and directly onto the connector slides and around all exposed surfaces, top and bottom, to loosen dirt, grit, and small rocks. The area around the CPA and primary latch should also be sprayed off. The more water used, the cleaner it will become. Do not attempt to un-mate any connectors until Step 4.

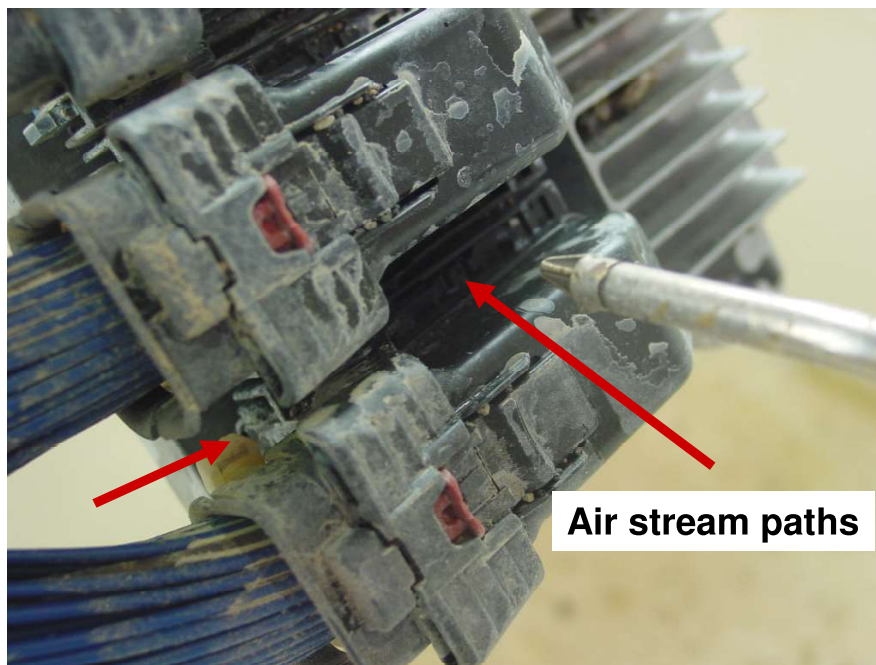


Repeat Step 1 until there is no visual evidence of dirt, grit, or other debris.



Section 11 (Appendix B): Cleaning Instructions

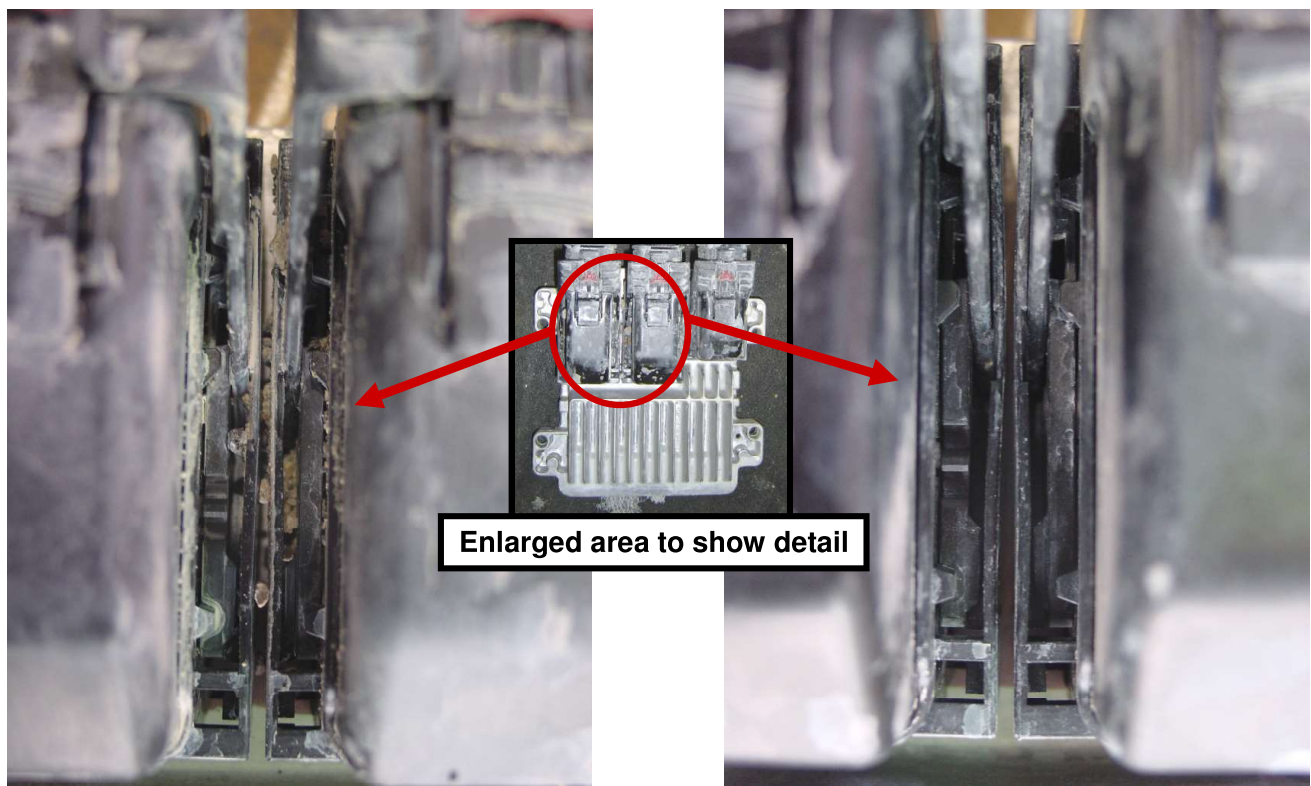
STEP 2: Use high pressure air to remove loosened debris. Direct air pressure around connector slides and all exposed surfaces, top and bottom. When done, ECM and connectors should be visibly dry and debris free. Do not attempt to un-mate any connectors until Step 4.



Repeat Step 2 until there is no visual evidence of dirt, grit, or other debris.



Section 11 (Appendix B): Cleaning Instructions



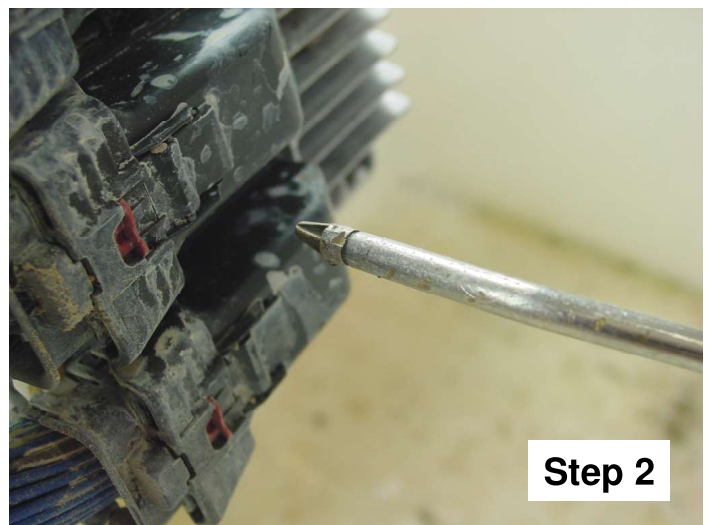
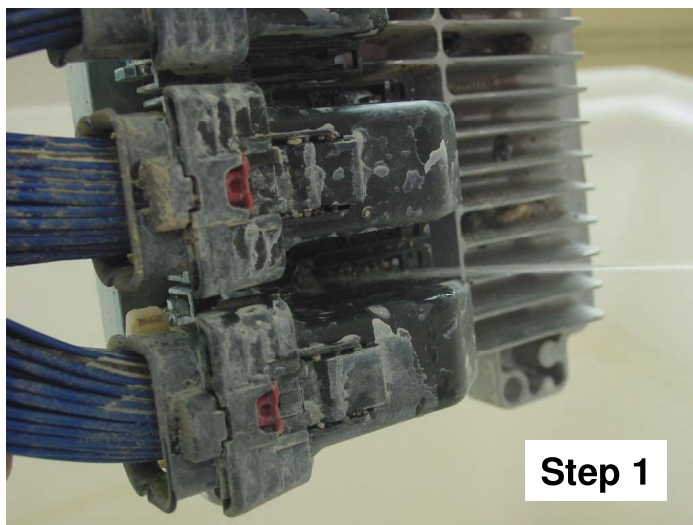
“Gritty” slides

“Clean” slides

Section 11 (Appendix B): Cleaning Instructions

STEP 3: Carefully remove any remaining debris from the slide area with a small brush. Do not attempt to un-mate any connectors until Step 4.

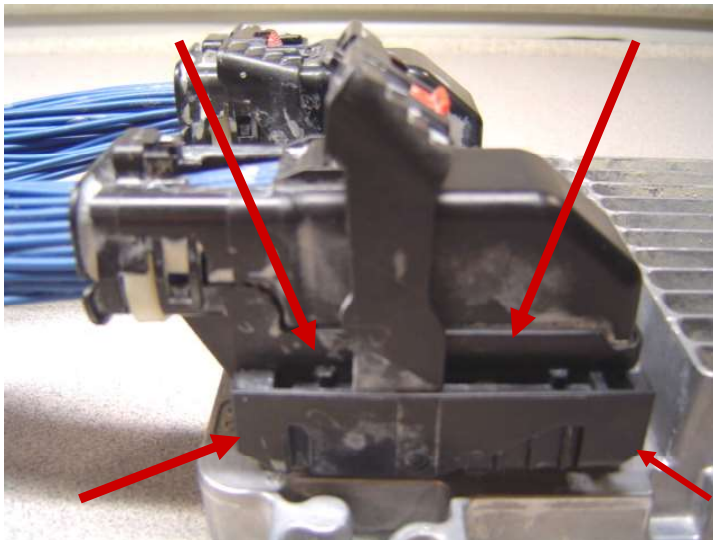
STEP 4: You will need to start to cycle the lever arm to determine if you have excessive resistance. If lever arm binds, or resistance is felt. Repeat steps 1, 2, and 3 until the connector is visibly clean and offers little resistance to un-mating.



Section 11 (Appendix B): Cleaning Instructions

STEP 5: If excessive resistance is felt while un-mating the connector, continue cleaning connector with the lever arm raised to the point of resistance as shown below. Rotating the lever arm back and forth will help loosen additional debris.

STEP 6: Repeat Steps 1 through 5 until you can un-mate the connector with little resistance.



**DO NOT APPLY WATER TO ANY
ECM ASSEMBLY IF
ANY CONNECTORS ARE
UN-MATED FROM THE ECM
HEADERS!**

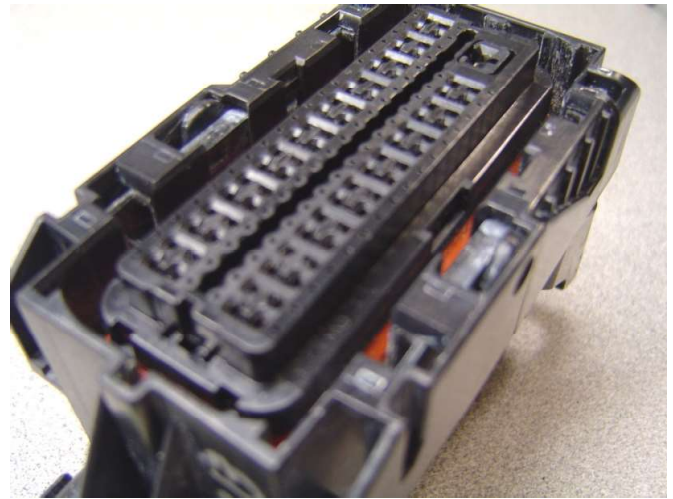
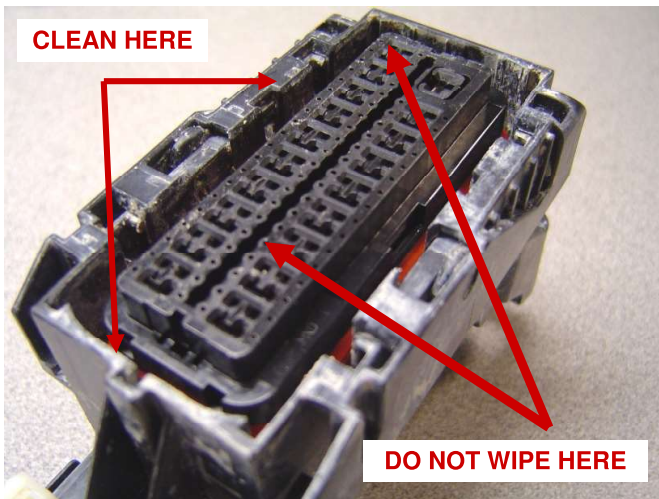


Water and Air Spray Paths

Section 11 (Appendix B): Cleaning Instructions

STEP 7: Once the connector is removed, inspect for damage and grit. Additional cleaning of the connector housing may be necessary. To avoid dropping grit into terminal openings clean connector with the TPA facing the ground. Using a clean damp (**NOT DRIPPING WET**) paper towel or rag, brush off the heavy deposits. This effort should be directed at the connector housing, not the TPA or terminal openings.

DO NOT APPLY WATER TO TPA OR EXPOSED TERMINAL OPENINGS!



“Gritty” J2 Connector

“Cleaned” J2 Connector

Section 11 (Appendix B): Cleaning Instructions

STEP 8: After connector removal, additional cleaning of the ECM header may be necessary. The amount of dirt pictured on the left below is unacceptable. Using a damp (**NOT DRIPPING WET**) clean paper towel or rag, brush off the heavy deposits. This effort should be directed at the outside of the ECM header, not the internal area where the terminal pins are.

STEP 9: Blow off with high pressure air to dry and remove any grit particles inside the header.



“Gritty” ECM Header



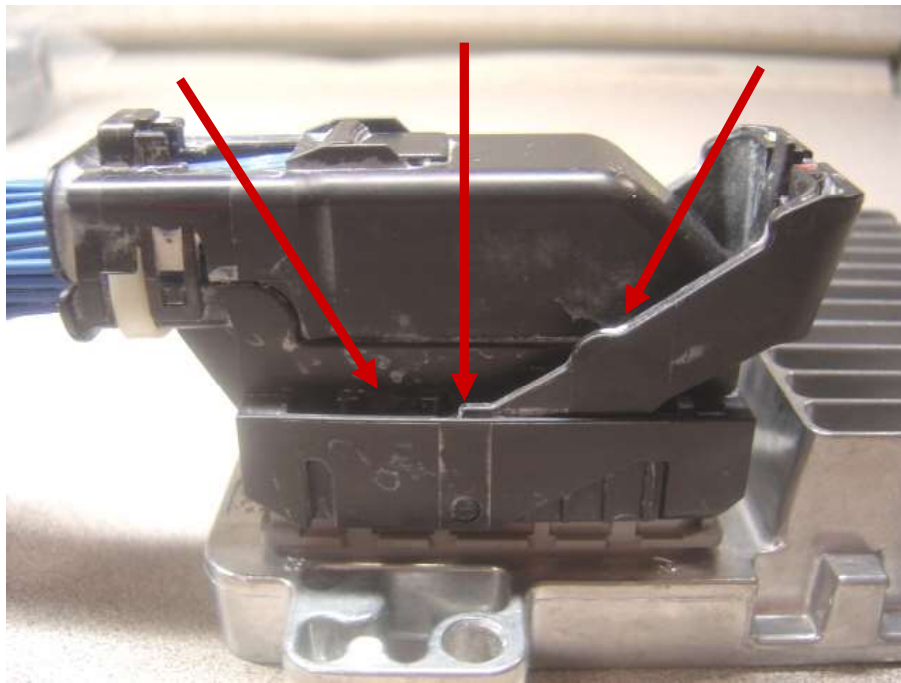
“Cleaned” ECM Header

**DO NOT
APPLY
WATER TO
HEADER
PINS OR
EXPOSED
CONTACT
AREAS**



Section 11 (Appendix B): Cleaning Instructions

STEP 10: Once the connector is in pre-stage, use a few drops of water to lubricate the slides while re-mating. This will limit any potential binding.



Arrows show where to place drops of water

