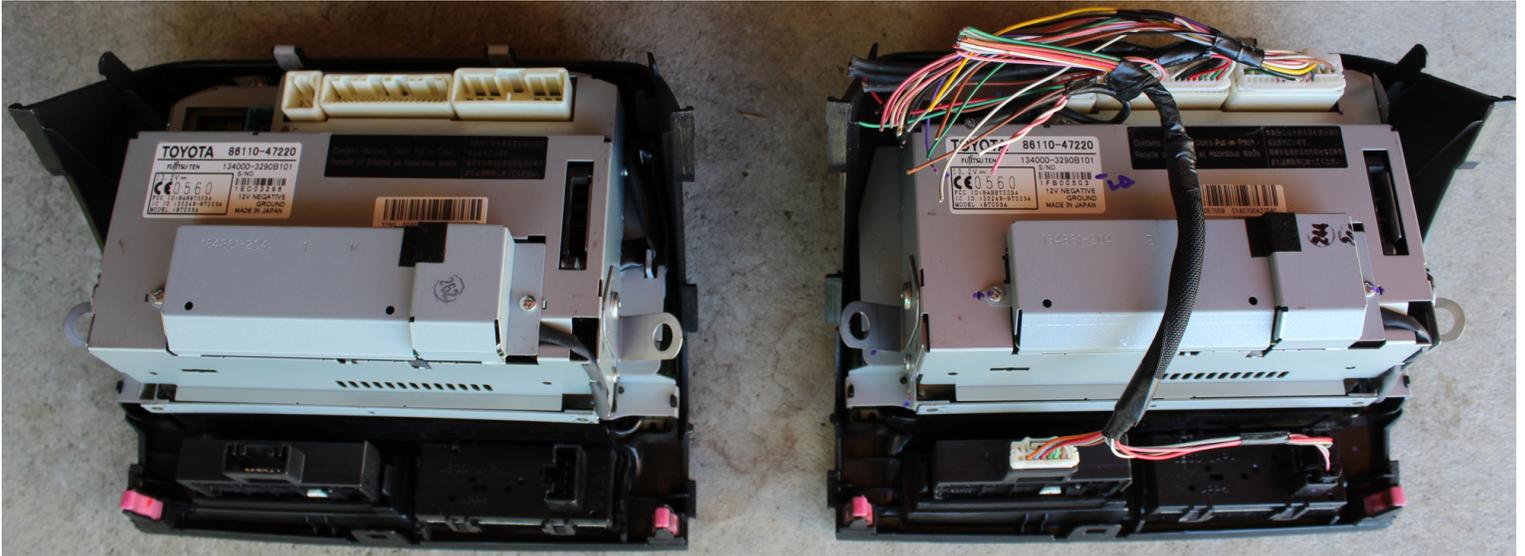


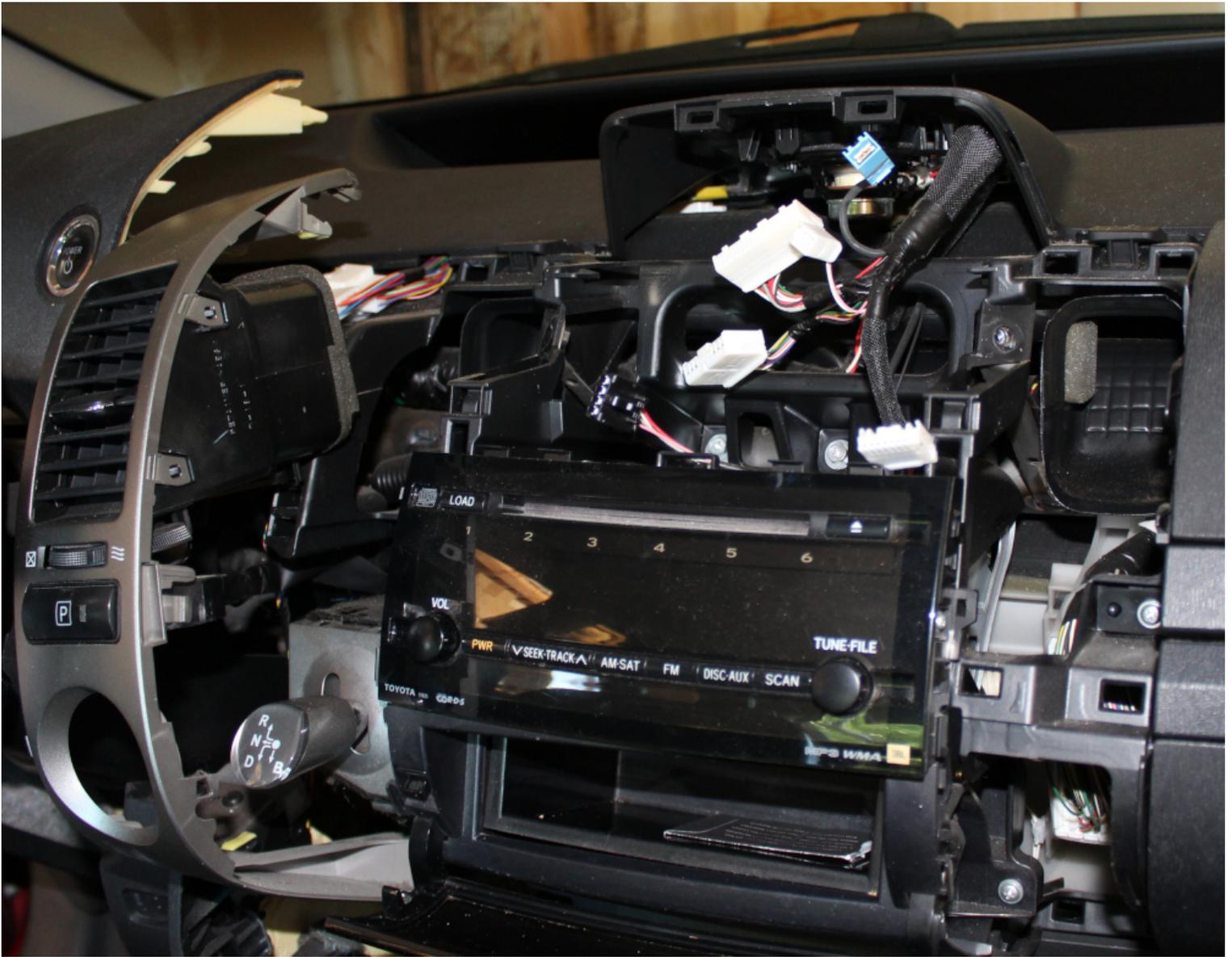
## 2007 Toyota Prius MFD (Multi-Function Display) Replacement



Not-Functioning MFD (Left) & Replacement MFD (Right)



Removing MFD



MFD Removed

### **Symptom**

MFD display result becomes black most of the time although other electronics are working properly.

The cause is contact failure of multiple pins connectors soldered by surface mount on the board.

Such surface mount must not be adopted on vehicles (especially for multiple pins connectors with unstable connection due to the gap between male and female pins) that get enormous G (Gravity) shocks from all directions (Air crafts as well as space crafts never apply the surface mount for their electronic devices).

The MFD manufacturer, Fujitsu Ten (as well as Toyota, as the inspector), did not care about the issue and made the malfunction.

This is elementary-level PCB (Printed Circuit Board) design problem.