

IFM Diagnostics - Hardware procedure

Below is a list of possible conditions with required actions.

When side IFM failure reported the first step would be to check if 3D Camera powered and boots up.

1. Look at the camera and notice RED LED lit or blinking.



Figure 1-1. LED blinking



Figure 1-2. LED not blinking or lit

If LED blinking or lit (See Figure 1-1) but user still seeing the side IFM related error and can consistently reproduce it then ask technician to reconnect/reseat UPTRUNK cable in the socket and Data Cable that connects UPTRUNK harness to 3D Sensor.

Replace UPTRUNK (Upper Trunk) harness as needed.

If LED is not blinking or lit (See Figure 1-2) then proceed to **step 2**.

2. Ask technician to remove Display or Control panel (depending on which side IFM is problematic) and check voltage on POWER TRUNK cable that connects to IFM power cable.



IFM Power

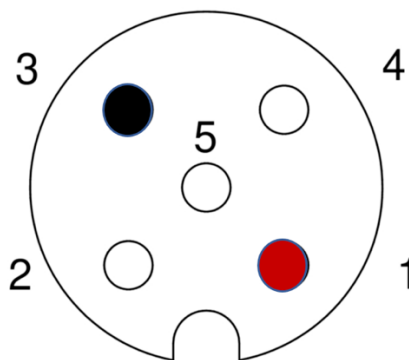


Figure 2-1. IFM power cable

Figure 2-2. IFM power cable PINs. (PIN 1 - 24V, PIN 3 - GND.)

Voltage measurement should be close to ~24V; moreover, the number should be the same on both sides (Right and Left IFM).

If voltage values are different between Right and Left IFM or the affected side has no power (0V) then recommendation would be to reseal/reconnect POWER TRUNK or replace as needed.

If voltage measurements are the same on both sides (~24V) and LED is NOT lit or blinking on the affected side then **IFM sensor most likely needs to be replaced**.



Figure 2-3. Cable reference

Reach out to SME if conditions are different from what described here.