



## Stepper IAC Harness



## Overview:

The MFKustoms Stepper IAC Harness for Holley EFI enables customers running our Plug and Play MFAdapter, or Holley EFI kit that utilizes a Ford two-wire IAC motor, to run a Stepper Idle Air Control Valve (IAC).

## ECU Overview:

### Terminator X/X Max:



### HP/Dominator:



## **Installation Instructions:**

### **Step 1:**

Guide the Stepper IAC Harness from the engine bay into the passenger compartment, ensuring the end with the loose wires is fed into the passenger area until it reaches your Holley ECU.

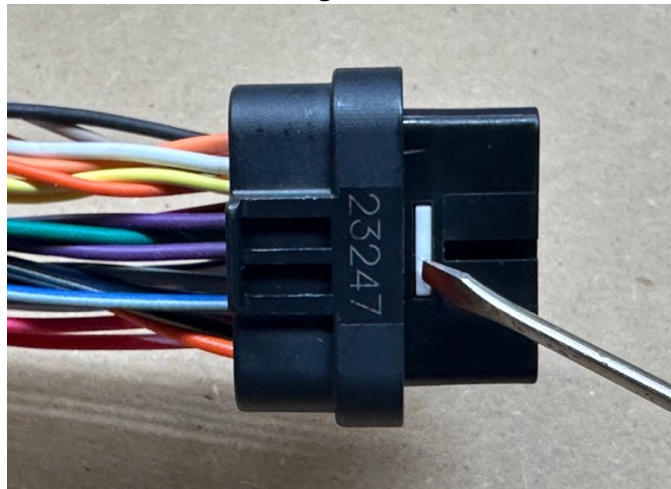
### **Step 2:**

Disconnect connectors J1A and J1B from your Holley ECU.

### **Step 3:**

To install or remove connections, you must release the locking tab. This can be done by pressing on the white section located on the underside of the connector (refer to figure 3).

Figure 3



### **Step 4:**

Remove the cavity plugs located in connector J1B pins 1, 2, 8 & 9. Use a small screwdriver to remove each plug (refer to figure 4a and 4b).

Figure 4a

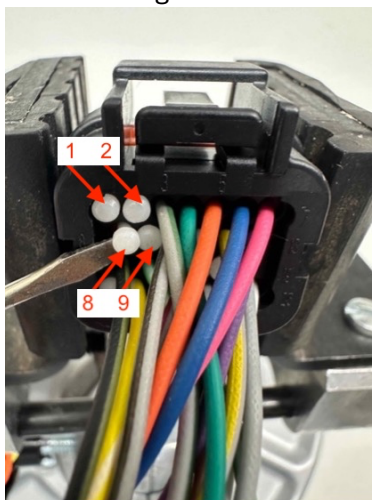
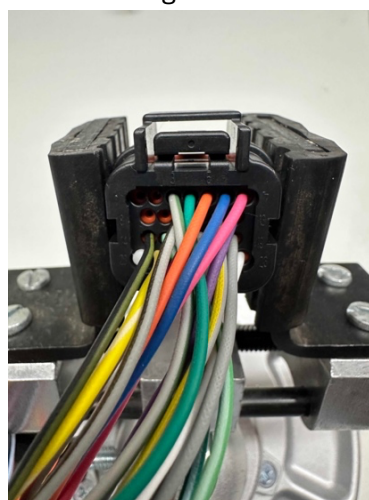


Figure 4b



### **Step 5:**

Now terminate the loose wires from your Stepper IAC Harness in the following locations:

<u>LS/Ford Fiesta IAC</u>			<u>Chrysler IAC</u>		
Color:	Location:	Description:	Color:	Location:	Description:
Yellow	J1B Pin 1	IAC A Lo	Yellow	J1B Pin 8	IAC B Lo
White	J1B Pin 2	IAC A Hi	White	J1B Pin 2	IAC A Hi
Red	J1B Pin 8	IAC B Lo	Red	J1B Pin 1	IAC A Lo
Black	J1B Pin 9	IAC B Hi	Black	J1B Pin 9	IAC B Hi

- Insert the connections going into locations 8 and 9 (refer to figure 5a)
- Insert the connections going into locations 1 and 2 (refer to figure 5b)
- Make sure all connections are fully seated into the connector
- Push the locking tab back into place (refer to figure 5c)

Figure 5a



Figure 5b

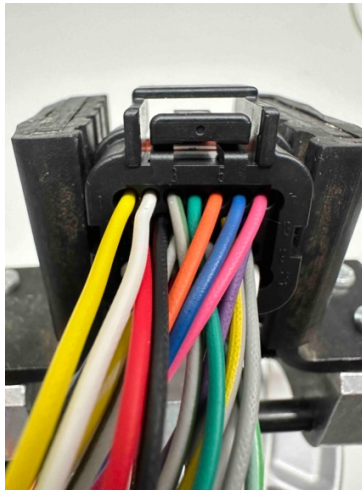
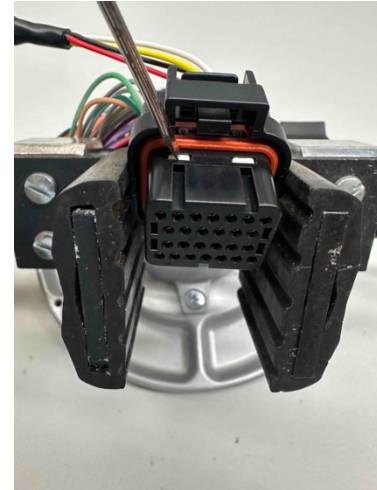


Figure 5c



### **Step 6:**

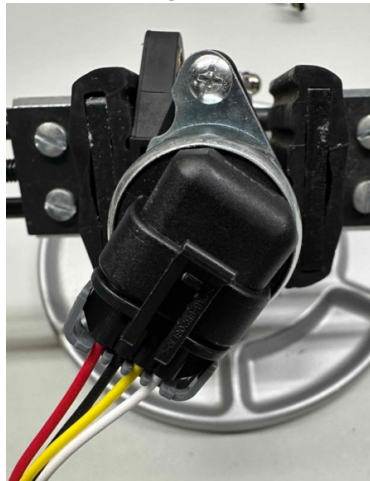
Connect connectors J1A and J1B into your Holley ECU.



**Step 7:**

Proceed with plugging your new Stepper IAC Harness into your Stepper IAC motor located on your throttle body (refer to figure 7).

Figure 7

**Stepper Connector Pinout:**

Please use the following figure of the Stepper Connector for any troubleshooting.

