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*Dedicated to Ford Performance*

## **WMS X-trak Subframe Connectors**

### **Intallation Instructions**

### **79-93 Mustang & 94-04 Mustang**

These are weld on connectors that attach to the side of the front subframe and to the rear bulkhead. Proper welding of the connectors is critical and should only be performed by professional welders.

The car must also be supported on level platform when installing the connectors. If the car is twisted when the connectors are installed it will remain twisted after.

On 86-93 Mustang fuel injected cars there are fuel lines on the passengers side that must be bent out of the way of the connector. On carburated cars there are fuel and vapor lines to move. These lines stay in the same area as stock but must clear the subframe connector for installation.

1. The following pictures give a good idea on how the connectors fit to the bottom of the car. Hold up the connector to the chassis and mark location where brackets will be welded. The flat bracket that is welded to the connector fit to the side of the front subframe. All weld areas must be properly cleaned to ensure a strong weld.
2. On 79-93 Mustang the large "L" bracket mounts to the rear bulkhead. On 94-04 Mustangs the 30° bent plate mounts to the rear bulkhead. Mark this bracket using the subframe connector as a guide, clean the paint off to ensure a good weld and then weld the bracket to the car.
3. Hold a connector up and tack it to the rear bracket and side of the front subframe.
4. On the front of the connector, run a small bead along the bottom edge the car's subframe, then weld the front plate to the chassis and to the connector. See picture 3 for a detailed view.
5. Weld the center bracket to the chassis at the rear of the front subframe and then to the connector. Pictures 1 and 2 show the detail of center bracket welding.
6. Weld the rear of the connector to the rear bracket that was welded to the bulkhead in Step 2. Picture 4 shows detail of the rear welding for a 94-04 Mustang.
7. Paint or undercoat the connectors and welded areas to prevent corrosion.



**Picture 1** - View from middle to front of subframe connector showing middle and front brackets welded to the front subframe.



**Picture 2** - View from middle to rear of subframe connector showing middle bracket welded to front subframe and rear bracket welded to the rear bulkhead.



**Picture 3** - Detail of front bracket and connector welded to front subframe.



**Picture 4** - Detail of rear connector and bracket welded to rear bulkhead on 94-04 Mustang.