



## A250 PHASE I SYSTEM INSTALLATION GUIDE



Thank you for your purchase of the Willall Racing A250 Phase I system. Designed as a simple Plug and Play Upgrade, installing Phase I should take no more than 45 minutes and is a true DIY proposition. Follow the steps outlined in this document to ensure that you have a successful installation.

## **PRE WORK**

Make sure that you have the vehicle in a well lit area and that you have unpacked your Phase I system from the box. It should include a comprehensive wiring loom and a pair of additional computer modules. The good news is you need no special tools to complete installation of Phase I. Some time and your hands is all you need.

## **STEP 1: LOCATE AND UNPLUG FACTORY ECU**

Before doing anything remove the engine cover. This sits on 'push fit' rubber connectors. Grab and lift. The factory Mercedes computer is located in front of the airbox and is held in place with a pair of high quality connectors. With the ignition OFF and the key removed from the vehicle press the lock tab on each connector and swing the plastic release levers out the way. As you move the connectors the plugs will also start to lift away from the ECU. This is normal.



## **STEP 2: CLEAR CONNECTORS**

Once the two factory ECU plugs have been released you can then swing them to the side as shown



**STEP 3: REMOVE BATTERY BOX COVER**

Clip the top from the battery box and place it carefully to one side.

#### **STEP 4: LOOM FIT**

The Plug and Play wiring loom is designed to fit between the stock ECU and the front of the vehicle. Each connector has a specific spot, one behind the LHS headlight, and the other directly in front of the ECU



#### **STEP5: LOOM CLIP IN 1**

Connect the stock ECU wiring loom connectors to the matching connectors on the Plug and Play wiring loom as shown. Make sure the connectors clip firmly into place. You will need to lift the connectors slightly from their final seated position to achieve this.



**STEP 6: FINAL CLIP IN**

You can now push the Plug and Play loom connectors back down into position as pictured, and then connect the spare set of plugs to the factory ECU. Once finished the clips are then swung back into place giving a finished result that looks exactly like this. All of the connectors need to be firmly clipped together to ensure good contact



### **STEP 7: ROUTE THE WIRING**

The additional wiring left on the Plug and Play loom is for the A250 Phase I tuning module. Route this through the engine bay as shown and around the back through the existing cutout in the battery box.



YOUR INSTALLATION IS NOW COMPLETE

