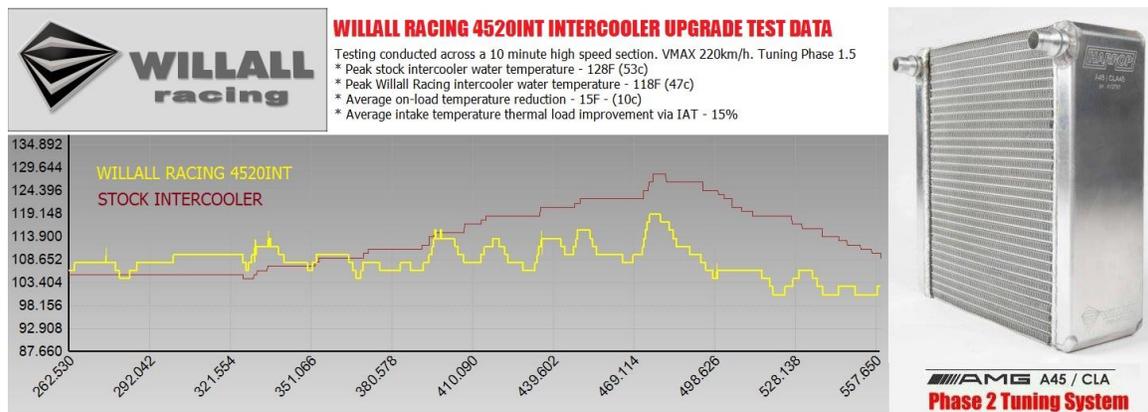




A45 PHASE II INTERCOOLER INSTALLATION GUIDE



Thank you for your purchase of the Willall Racing A45/CLA45 Phase II Intercooler system. Designed as a simple Plug and Play Upgrade, installing Phase II 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.

Only simple hand tools and a jack/axle stand are required.

PRE WORK

Make sure that you have the vehicle in a well lit area and that you have unpacked your Phase II Intercooler system from the box.

STEP 1: JACK VEHICLE AND REMOVE FRONT RHS WHEEL

The first installation step is to raise your 45 in the air and remove the RHS front wheel. Jacking points are clearly marked in the owners manual, as is the procedure to remove the wheel. Ensure that you use a safety stand under the vehicle to prevent it from falling and causing possible injury or death.



STEP 2: REMOVE TRIM CLIPS

There are two trim clips that need to be removed to facilitate installation. The first is located here. A professional trim clip removal tool is being used in this instance but a flat bladed screwdriver can also be used.



The other trim clip that you need to remove is located here. This completes the process of removing the trim clips, so now you can get on with swapping the intercooler proper.



With the trim clips removed the inner guard liner can now be pulled back out of the way and the factory intercooler core exposed as shown



STEP 3: REMOVE THE FACTORY INTERCOOLER

Using two brake clamps carefully seal the factory intercooler lines to avoid losing excess cooling system fluid. Also have a clean container ready to catch any coolant from the factory intercooler core. The connections on the factory intercooler lines are a simple wire-lock connector. Pull the wire tab up for removal, then push it back into place for re-connection and it 'Snap-Locks' back on. The process is shown here



STEP 4: FIT WILLALL INTERCOOLER

The Willall Racing Phase II Intercooler is held in place EXACTLY as per the original intercooler – with the factory shrouding clipping into the identical mounting points. As you can imagine then the factory cooler clips easily out of the shroud, and can now be place in the box your Willall cooler came in!



Snap the hoses back into place on the new intercooler connectors, and the rest of the mechanical installation is a reversal of the existing procedure.

The cooling system reservoir for the intercooler is under the factory engine cover right on top of the engine. Pour the captured coolant back in here, and then top up the system as necessary with genuine MB factory coolant. After 30 minutes or so of driving inspect the intercooler coolant level again and top up as necessary.

Enjoy your new Willall Racing Phase II intercooler!