

Pre-Install Starter and Adapter Notes

Before bolting the adapter to the engine and installing in the Land Rover there are a few preparatory steps. These are not obvious till you find the starter won't fit, so read this thru.

The first thing to check is that the starter bolts to the adapter, so far I haven't machined an adapter wrongly, so if it doesn't fit check you have a land rover diesel starter. Still doesn't fit contact me.

The starter nose will foul the register on the bellhousing. The easiest thing to do is locate the adapter on the bellhousing and mark where the starter nose will hit. The place it hit's is near the 'missing' stud. Grind/saw/chew the register down in this area so the nose of the starter won't touch.

The starter front casting/body may, depends on starter model, hit the breather. To check. Locate adapter on block and fasten with a few bolts, then try and fit starter. The starter register will go in the bore, if it won't rotate far enough to enable the bolt's to be fitted a dent in the breather tube will be required. Just put a small enough dent to enable the starter to be bolted in place.

The drain tube from the breather to the sump may, again depends on starter model, hit the starter motor body. With the starter off, remove the drain flexible tube. Put an M10 bolt in the drain branch and push or knock[gently] the tube so it points parallel[or slightly in] to the block; the M10 bolt will prevent you squashing the tube. Refit the hose and test fit the starter. Repeat till it's possible to install the starter with the breather and hose installed. Make sure the hose clamp used on the hose is in the optimum position and not outwards.

The starter I used is a Valeo D9R91 It seems to be listed for most pre TD5 Land Rover diesels.

Adapter fasteners, I can supply fasteners but you will probably have enough from the old backplate. There are: Three M8x20mm around the oil seal bore and ten M10 inside the adapter. The M10's can all be 30mm but check the block threads to see they don't bottom. There is also an M12x70mm located under the starter that is fitted from the engine side, this isn't really necessary but the hole was there so I included it.

It does all fit.

Richard