



Thank you for purchasing your OM617 to W59 adapter from Doomsday Diesel LLC! Please read this entire page **BEFORE** installation. Installation has been designed to be very simple. Please be aware of potentially sharp edges! The adapter plate must first be mated to the engine block. The back of the block should be bare. Make sure both 12mm dowel pins are in the engine block.

#### **Adapter Plate to Engine:**

- (7) M10-1.5x30 10.9 FHCS (flat head) Position 1 on diagram  
Use medium strength thread locker and torque to 40 lb\*ft.
- (1) M10-1.5x60 10.9 FHCS (flat head) Position 2 on diagram  
Use medium strength thread locker and torque to 40 lb\*ft.

#### **Flywheel to crankshaft:**

- (12) M10x1.0 ARP Flywheel Bolts

Install the crankshaft adapter between the crankshaft and flywheel.

You **DO NOT** reuse the Mercedes spacer ring. Apply medium strength thread locker and torque the new bolts in the same pattern as the service manual to 60 lb\*ft.

#### **Bellhousing to Adapter Plate:**

Start by installing the dowel pins into the adapter plate. This will help ensure the bellhousing goes on straight. It is a good idea to mount the plate to the bellhousing before final installation, so you can ensure the bolts aren't going to protrude thru the adapter plate. Bell housings can vary, and the hardware and plate are designed to use every possible thread. If the hardware protrudes thru, simply grind the end off with an angle grinder until flush.

**\*\*\*Holes may have to be drilled out on bellhousing for hardware to fit thru\*\*\***

- (3) M12-1.75x70 HCS, Washer, and Nut Position 3 on diagram  
Torque to 60lb\*ft.
- (1) M10-1.25x35 HCS and Washer Position 4 on diagram  
Use medium strength thread locker and torque to 32lb\*ft.
- (1) M10-1.25x50 HCS and Washer Position 5 on diagram  
Use medium strength thread locker and torque to 32lb\*ft.
- (1) M12-1.25x50 HCS and Washer Position 6 on diagram  
Use medium strength thread locker and torque to 60lb\*ft.

All torque values were attained from Fastenal. This product is for off road use only. This kit carries no warranty.

**Starter Installation:**

A supplied M4x0.7x10 ultra-low-profile is installed on the starter cap, which allows the starter to clear the oil filter relocater. The OEM oil filter housing will not work with this adapter plate.

