



## SPECIFICATION

\* Cores manufactured to ISO 6722-1:2011 (Class 105°C.

\* Plain Copper Conductors to BS EN 60228:2005 - PVC Insulated.

\* Single core suitable for use at temperatures from -40°C to 105°C with excursions up to 120°C.

\* UL Approved Adhesive lined heat shrink UL 224 VW-1.

\* Harnesses with anti-abrasion braided sleeve Operating Temperature Range: -50°C to 150°C, Melt Point: 250°C +/-5 Tensile Strength: 100,000 PSI Flammability rating VW-1 Flame retardant and halogen Free.

\*Shielded cables Operating temp. 0 deg.C to +70 deg.C. Manufactured to MOD Def Stan 61-12 Part 4.

All our wiring harnesses are hand made in the UK all our cable is UK made and all components where possible are UK sourced.

## CONTACT

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## BMW M57N-ONWARDS TO GETRAG MT82

Thank you for purchasing our Transmission adapter, Please follow these assembly instructions closely.

This kit is Designed to allow the fitment of the Ford Getrag MT82 6speed transmission found in the Land Rover Defender 2007 onwards and a number of Ford Vehicles to mate to the 6-cylinder BMW Engine M57N onwards (Wide block engines 306D2 ONWARDS).

Please Begin by familiarizing yourself with the components supplied in the kit. Below you will find a comprehensive list of all the components and their individual part numbers.

**CLEARANCE HOLE (IRON BLOCK AND ALLOY MUST BE MADE BEFORE FITTING ADAPTER TO CYLINDER BLOCK.**

**ALLOY BLOCK ONLY MUST HAVE HELICOIL INSTALLED BEFORE FITTING ADAPTER TO CYLINDER BLOCK.**

**A 12MM DRILL BIT WILL BE REQUIRED FOR INSTALLATION AND A M12 HELICOIL, Amongst basic handtools (NOT SUPPLIED).**

### **1.0**

300-30 Adapter Plate Aluminum Engine to Transmission x1

### **2.0**

300-31 Adapter Crankshaft to Flywheel x1

### **3.0**

300-32 Bolt M12X35 Crank adapter to crankshaft x8

### **4.0**

300-33 Bolt Sholder type M10X35 X1

### **5.0**

300-34 NUT Special M10 x1

### **6.0**

300-35 HT Stud M12x35 x1

### **7.0**

300-36 Nut M12 Nyloc x1

### **8.0**

300-37 SOC CAP M10X35 X 8

### **9.0**

300-38 SOC CAP M10X90 X2

### **10.0**

300-39 SOC CAP M10X55 X2

### **11.0**

300-40 SOC CAP M8X45 X4

**12.0**

300-41 SOC CAP M12X40 X2

**13.0**

300-41LR045965 BOLT FLYWHEEL TO CRANK ADAPTER X8

**14.0**

300-42 ROLLER BEARING Spigot X1

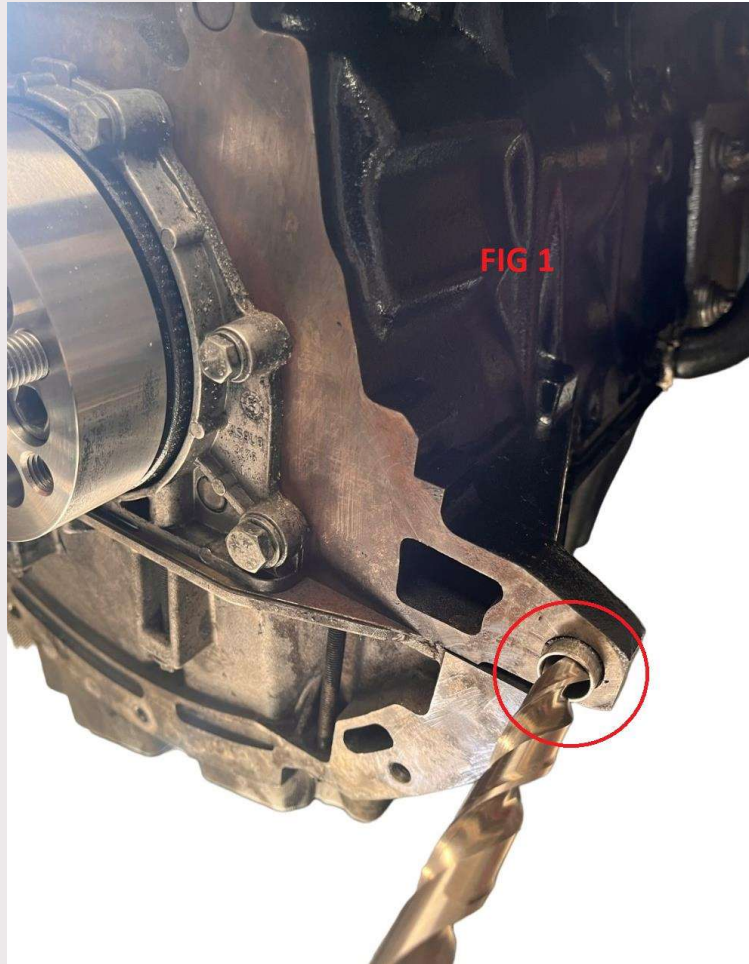
**15.0**

300-43 Starter motor 12v MOD X1

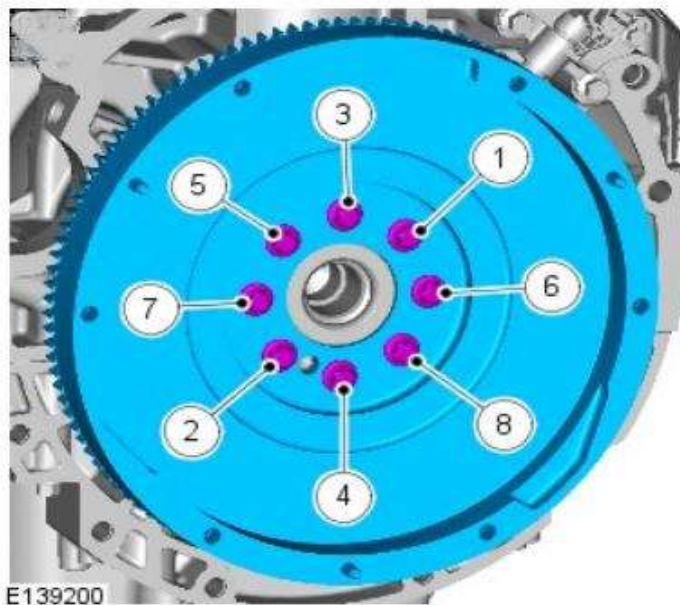
**16.0**

300-44TYT500020 DOWL STARTER + BELL HOUSING X4

Create a 12mm clearance hole in lower RH M12 BLOCK tapping (looking from rear of engine) to allow M12 stud clearance, Shown in FIG1.



- Crank adapter to crankshaft torque APPLY LOCTITE 243 8x M12X35 140NM.
- Flywheel to crank adapter torque 8x M11X25 25NM,45NM,45 DEGREES, SEE FIG 2



## FIG 2

1. Stage 1: Tighten the bolts 1 through 8 to 25 Nm (18 lb.ft).
2. Stage 2: Tighten the bolts 1 through 8 to 45 Nm (33 lb.ft).
3. Stage 3: Tighten the bolts 1 through 8 a further 45 degrees.

