



**SPARES for ROYAL ENFIELD & AMAL**

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## **INSTRUCTIONS FOR FITTING 25mm BELTDRIVE "A" CONVERSION TO S1A and SII INTERCEPTOR**

CHAIN TENSIONER IS TO BE REMOVED.

REMOVE THE SPLINED SPACER FROM BEHIND THE CLUTCH.

REMOVE THE 3 ALTERNATOR STATOR FIXING STUDS AND REPLACE THEM WITH THE 3 LONGER STUDS SUPPLIED.

FIT THE CLUTCH AND THE CRANKSHAFT PULLEY TOGETHER WITH THE BELT. FIT BOTH NUTS AND WASHERS AND LOCK TIGHT. REASSEMBLE THE CLUTCH, INITIALLY WITH THE 6 SCREWS ABOUT FLUSH WITH THE END OF THEIR RESPECTIVE STUDS. (THESE CAN BE ADJUSTED AT A LATER STAGE TO GET THE DESIRED FEEL ON THE CLUTCH LEVER)

ADJUST THE CLUTCH ROD VIA THE ADJUSTER ON THE GEARCHANGE END OF THE GEARBOX, (REFER TO WORKSHOP MANUAL) AND THEN RECONNECT THE CLUTCH CABLE

FIT THE LARGE SPACER OVER THE ROTOR SUPPORT OF THE CRANKSHAFT. (THIS REPLACES THE NARROWER ONE FITTED AS STANDARD, 41133) REFIT THE KEY, ROTOR, LOCK WASHER AND NUT AND TIGHTEN.

FIT THE 3 NEW ALTERNATOR STATOR SPACERS OVER THE 3 STUDS, (THESE REPLACE THE STANDARD SHORTER VERSION, 45388). FIT THE ALTERNATOR STATOR ALONG WITH ITS NUTS AND WASHERS, TAKING CARE TO ROUTE THE CABLE AWAY FROM THE BELT. **ENSURE YOU HAVE THE CORRECT AIR GAP BETWEEN YOUR ROTOR AND STATOR, REFER TO THE WORKSHOP MANUAL.**

TO CORRECTLY TENSION THE BELT YOU MAY NEED TO SPACE THE GEARBOX AWAY FROM THE ENGINE, THIS IS DONE WITH THE SHIMS. THESE CAN THEN BE DROPPED OVER THE STUDS WITHOUT HAVING TO REMOVE THE GEARBOX. TO GET THE CORRECT TENSION HOLD THE TOP RUN MID WAY BETWEEN THE PULLEYS, USING HAND PRESSURE YOU SHOULD BE ABLE TO TWIST THE BELT 90 DEGREES. THERE ARE 2 DIFFERENT THICKNESSES OF SHIMS ENCLOSED TO HELP GET THE CORRECT ADJUSTMENT.

ONCE TENSIONED CORRECTLY PLEASE CHECK AFTER 50 TO 100 MILES. THIS SHOULD NEED NO FURTHER ATTENTION, AS THE BELT WILL NOT STRETCH.

**NO OIL IS TO BE USED IN THE CHAINCASE. AT ROUTINE SERVICE INTERVALS YOU SHOULD CLEAN AND REGREASE THE CLUTCH BEARING USING CASTROL SPHEEROL B2 GREASE.**

### **PARTS SUPPLIED:**

- 1 X CLUTCH
- 1 X ENGINE PULLEY
- 1 X DRIVE BELT
- 3 X ALTERNATOR STATOR STUDS
- 3 X ALTERNATOR STATOR STUD SPACERS
- 1 X ALTERNATOR ROTOR SPACER
- 2 X GEARBOX SPACER SHIMS 0.020" THICK
- 2 X GEARBOX SPACER SHIMS 0.040" THICK