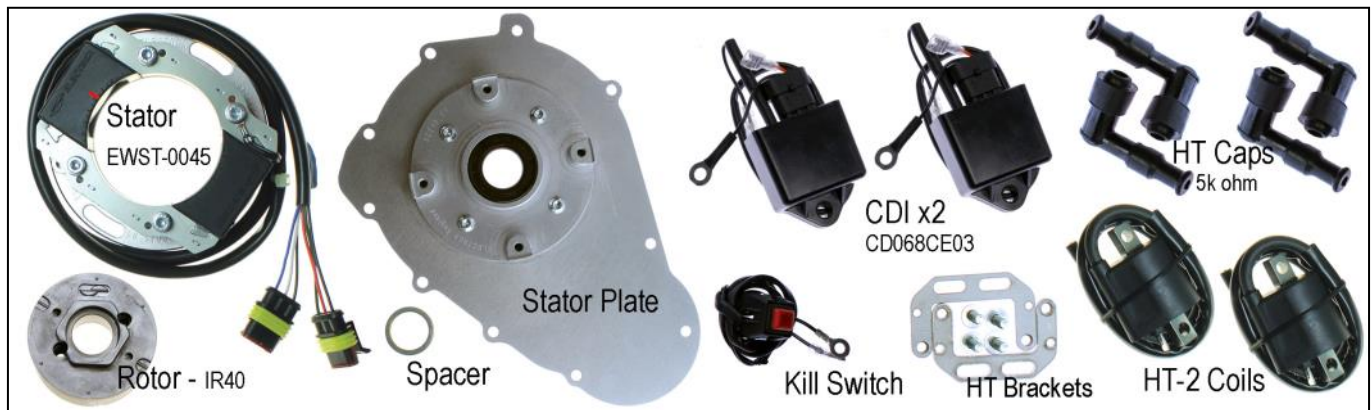


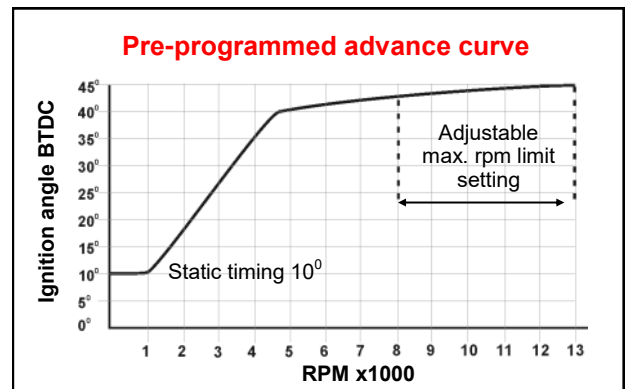
CARSTK-211 Suzuki GSX1100



Fitting Instructions

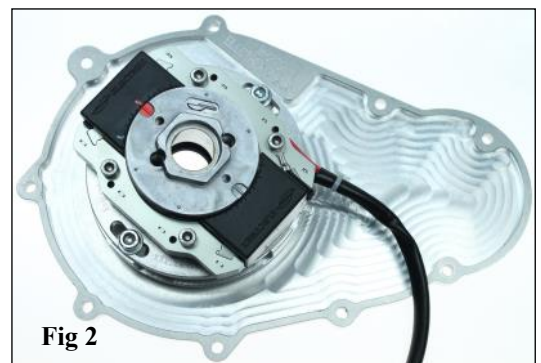
Note: Loctite or similar is recommended to prevent screws/nuts from loosening.

- Step 1 Remove LH alternator cover and original alternator and rotor, an extractor will be required to take off the rotor.
- Step 2 Remove the starter motor and spring clutch mechanism. Block off hole for starter.
- Step 3 Fit stator mounting plate with stator on to the engine. Make sure the crankshaft oil seal is correctly located in the plate.
- Step 4 Fit the new rotor and spacer provided (if required) on the end of the crankshaft, replace bolt, don't fully tighten yet.



Setting the timing

- Step 5 The stator should be located on the mounting plate as shown.
- Step 6 With the piston in the left hand cylinder set to top dead centre (TDC), rotate the rotor so the red marks on the stator and rotor align, as shown in fig 2.
- Step 7 Fully tighten the rotor and make fine adjustments by moving the stator as required.
- Step 8 Fit the 2 digital CDI's & HT coils in a suitable position, attach the 2 sealed connector plugs to the CDI's from the stator.



See wiring diagram overleaf:

- Step 9 The timing is set for the left hand piston corresponding to the output lead with red sleeving and a red cable in the connector. Connect this to the cdi and HT coil for the left hand cylinder. If connected to the wrong cylinder, the ignition will occur at the bottom of the stroke. Connect the orange leads from the CDI's to the HT coils, the M6 ring terminals with black leads are connected to the metal body of the HT coils. Screw on HT caps, it is important that you use the 5k ohms **resistor plug caps** supplied, this is to prevent damage to the digital CDI's.
- Step 10 The black/white cables from the CDI's can be connected to an engine stop switch. When the black/white cables are connected to earth the ignition will be killed. Fitting is now complete.
- Step 11 **Important Note:** The spark occurs between the 'ends' leads of each HT coil not between one of the leads and earth (the engine).

NOTE: Timing setting depends on engine tune etc. Adjusting static timing setting alters maximum advance by the same amount.

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