

C-AJJ3325

DUPLEX TIMING CHAIN KIT – FITTING INSTRUCTIONS

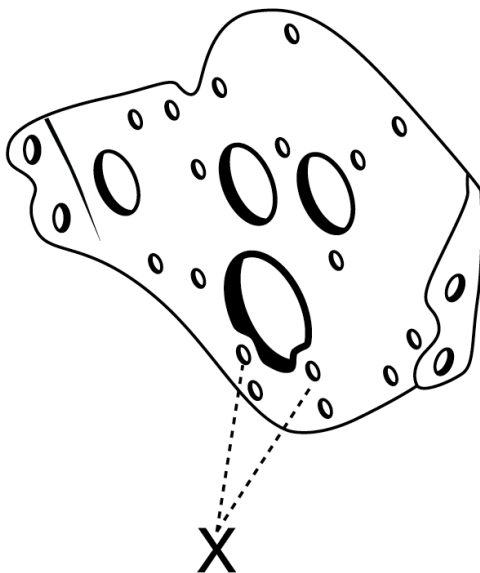
Contents:-

Part Number	Description	Quantity
AEA696	Camshaft sprocket, lightened steel	1
AEA695	Crankshaft sprocket	1
2H4905	Timing chain	1
AEA687	Screw - countersunk	2
2A759	Locktab for cam gear	1

The front plate will have to be countersunk as shown 'X' to take the screws AEA687, which replace the existing hexagon-headed screws, which would foul on the timing chain. Check for clearance on chain all round and align gears as per Workshop Manual.

When using 'A' plus timing covers there is a small round pressing at the bottom which needs making flat to allow timing chain clearance.

Ensure the crankshaft oil thrower 12A1148 is correctly fitted with the letter 'F' facing you, or on very early engines the lip faces outwards.



IMPORTANT NOTE:

Minispares duplex kits are genuine AE Hepolite products who were the original engine components supplier for Mini. AE Hepolite products are now owned by Federal Mogul. It is however very, very rare that simply fitting these cam drive gears will give the correct cam timing for any particular camshaft installed. Although it will likely to be very close on factory-ground OE camshafts, or from new blanks it is unlikely to be the case on re-profiled camshafts. The main reason for this is when the cam re-profiler needs to make sure the new profile and LCA (lobe centre angle - angle between lobe centres of inlet and exhaust lobes) will fit the core cam being used it may be necessary to re-align the cam lobes in relation to the cam gear key. Because of this it is highly recommended that the cam timing be checked/re-set to the cam manufacturer or cam suppliers specifications to maximise performance potential.

The method for this is depicted in various forms on the Mini Spares website - www.minispares.com - in 'Articles' section, 'Calver's Corner', 'Camshafts', including methods where no specialist equipment is on hand.