

# Technical Bulletin

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## Product Information: ADC45501 Tensioner Pin Set

Applications: Various Mitsubishi engines (also fitted to some Hyundai and Proton models)

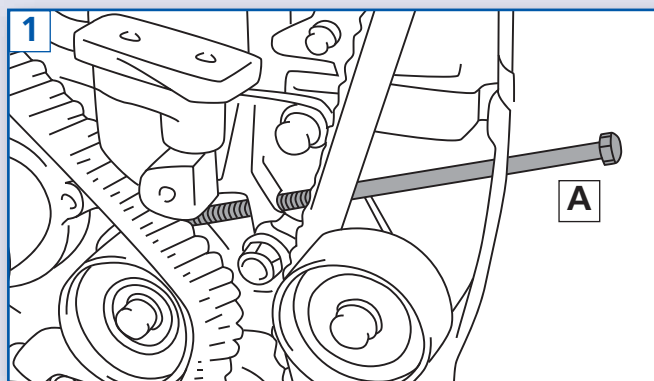
Date Issued:05/2011

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**Solutions**

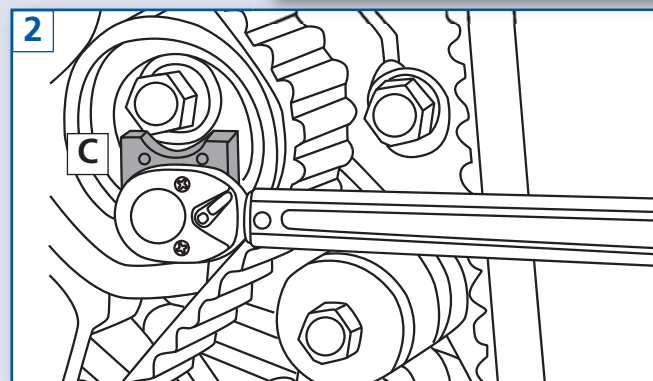
Blue Print's 'Tensioner Pin Set' ADC45501 is a three piece kit that is required to allow the correct setting of the timing belt tension and tensioner on various Mitsubishi engines (also fitted to some Hyundai and Proton models) without damaging the timing gear by 'making do' without the special tools specified by the vehicle manufacturer.

**Note:** Not all three parts will be required for every vehicle application.

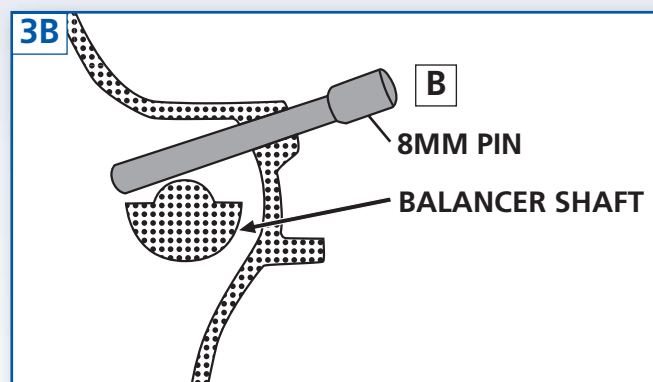
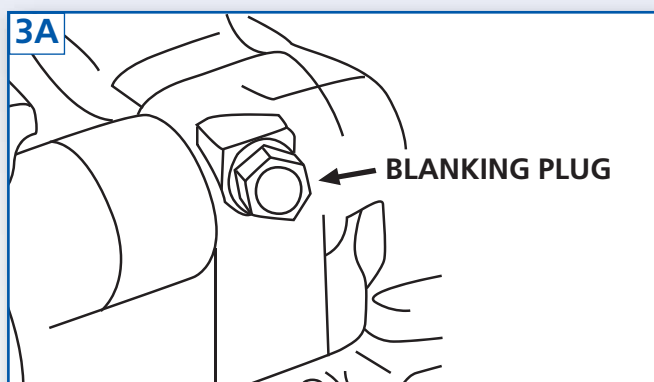
### ADC45501



The long tensioning bolt is used to apply sufficient pressure on the automatic tensioner to allow removal of the tensioner ram's retaining pin without risk of damage to any of the timing gear.



The tensioner bearing adapter allows the application of torque as per manufacturer's instructions which can vary between 2 and 5 Nm depending on model. Two pins on the adapter align with two holes on the tensioner bearing, and a 1/4" drive square hole on the adapter allows for the use of a low-torque torque wrench.



The 8mm pin is for use on vehicles fitted with a balance shaft to lock the shaft. Note: not applicable to all models. This is done by removing the plug from the front left side of the engine block and inserting the pin fully, as shown above.

**Failure to use the correct tools and adhere to the correct instructions could result in severe engine damage.**

**We recommend that you do not attempt timing belt replacement unless you have the full manufacturer's instructions for performing the maintenance/repair.**

**Disclaimer:** Any technical tips are produced in good faith. Automotive Distributors Ltd. always recommends that vehicle maintenance and diagnostics are only carried out by suitably experienced people using appropriate tools in a safe manner within a workshop environment. Automotive Distributors Ltd. and its customers cannot be held responsible for the correctness of, or misinterpretation of the above technical tips. Images shown are for illustrative purposes only and may not be representative of the products or vehicles described.



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