



## TECH NOTE

### AUTOMOTIVE – SYNCHRONOUS BELT DRIVE SYSTEM

# BLEEDING/INSTALLATION INSTRUCTIONS FOR HYDRAULIC TYPE TENSIONERS

BULLETIN: TSB019\_AU

PART NUMBER:

- All

MAKE:

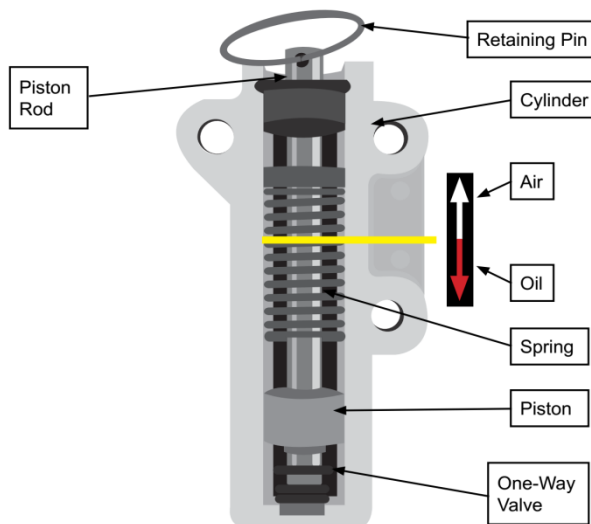
- All

MODEL:

- All

YEAR:

- All



- Due to normal shipping and handling procedures, there exists a strong possibility that air has entered the fluid chamber of the included tensioner. Therefore, one **MUST** complete the following bleed procedure prior to hydraulic tensioner installation.
- Do not remove the securing pin until the tensioner is properly secured in a suitable vise or C-clamp.
- **With the tensioner in a VERTICAL POSITION and the PISTON FACING UPWARDS**, gently secure the tensioner in a suitable vise or C-clamp.
- Remove the securing pin and allow the piston to extend fully.

**NOTE: TO ENSURE THAT ALL AIR HAS BEEN EXPELLED FROM THE FLUID CHAMBER, IT IS IMPERATIVE TO BLEED THE HYDRAULIC TENSIONER PRIOR TO INSTALLATION!**

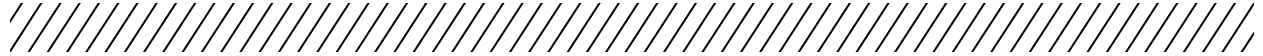


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- Gently compress the piston using the suitable vise or C-clamp. **DO NOT FORCE THE PISTON OR IRREPARABLE DAMAGE WILL OCCUR!**
- Repeat this procedure a minimum of 3 times.
- **EACH EXTENSION AND COMPRESSION CYCLE SHOULD TAKE NO LESS THAN 1 MINUTE EACH!**
- On the final compression phase, re-insert the securing pin prior to removing the tensioner from the vice or C-clamp.
- Proceed with the servicing of the timing belt system, adhering to the manufacturer's recommended procedures.

**\*\*\* FAILURE TO COMPLETE THIS BLEED OUT PROCEDURE MAY RESULT IN ENGINE DAMAGE. THE PRODUCT WARRANTY WILL BE INVALIDATED AND WARRANTY CLAIMS WILL NOT BE ACCEPTED IF THE BLEED OUT PROCEDURE HAS NOT BEEN COMPLETED. \*\*\***