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## ZD30 Billet Belt Tensioner Installation Guide

Thank you for buying this 100% Australian made product. Your purchase keeps jobs in Australia.

- The tensioner can be replaced using normal workshop tools and equipment.
- Remove the serpentine belt using a 19mm socket on hexagonal section A, as shown in Fig 1 and turn counter-clockwise to relieve the tension.
- Once the tensioner is compressed, the belt can be slid forward off the pulleys.
- Remove the idler pulley and tensioner using a T50 bit.
- Install the replacement pulley using medium strength threadlocker on the bolt (if purchased).
- Screw both nuts and both ends of the manual tensioner inwards as far as they will go (finger tight), screw one side out slightly until the flat sections on ends are parallel.

**Note:** the end with a groove machined into it is a left-thread.

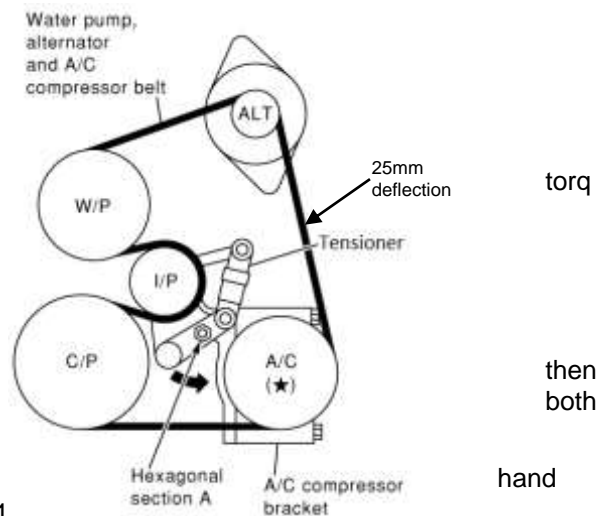
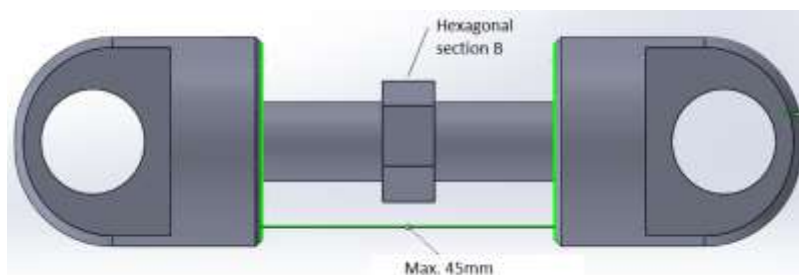


Fig 1

- Install the tensioner using medium strength threadlocker on the bolts and fit the serpentine belt as shown in Fig 1.
- Manually tension the belt using a 16mm spanner to turn hexagonal section B as shown in Fig 2 until there is approximately 25mm of deflection possible between A/C and ALT using medium finger pressure.
- Tighten the 2 lock nuts on the manual tensioner using a 19mm spanner.
- If the belt begins to squeal, loosen the 2 lock nuts and tighten the tensioner further.

**Always tighten the lock nuts prior to starting the engine.**

**IMPORTANT:** Maximum adjustment of the manual tensioner should not exceed 45mm as shown below. If maximum adjustment is reached and the serpentine belt squeals, replace the belt.



**DISCLAIMER:**

Patrolapart recommends approximately 25mm of belt deflection as per the diagram. We cannot be held responsible for damage caused as a result of over or under tensioning of the drive belt.