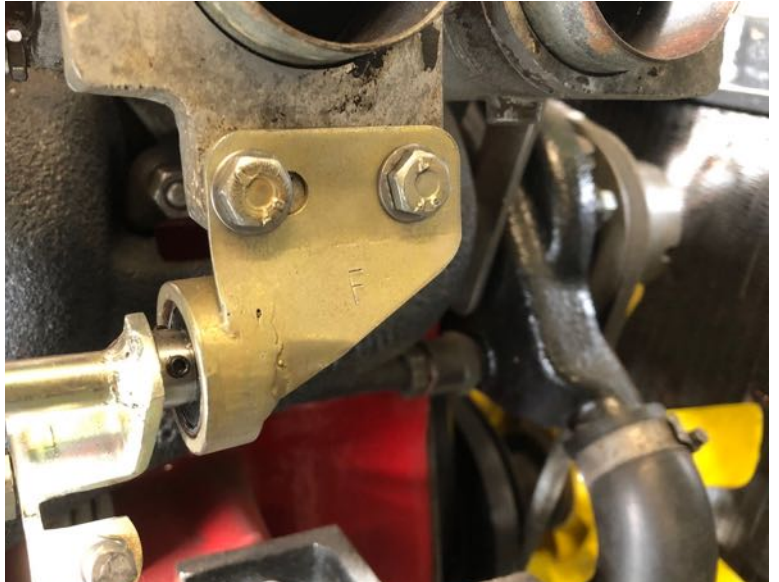
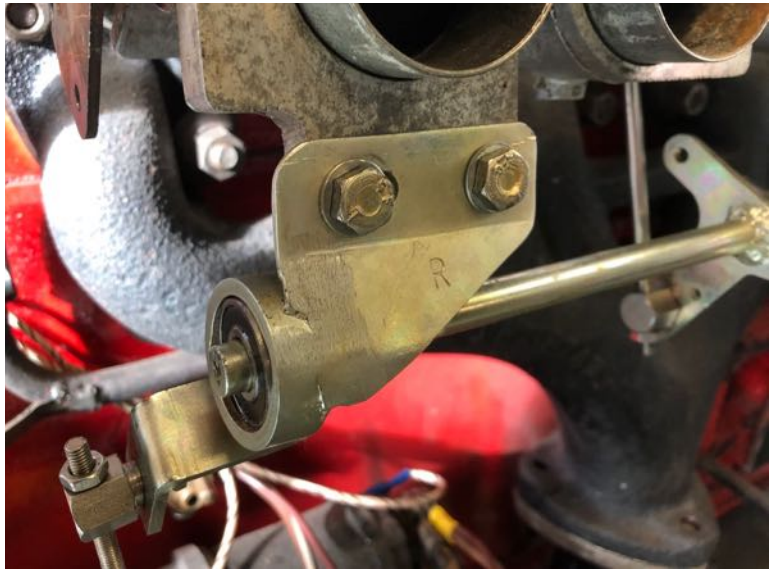


TR5 TR6 CP Throttle Countershaft & Bearing Upgrade

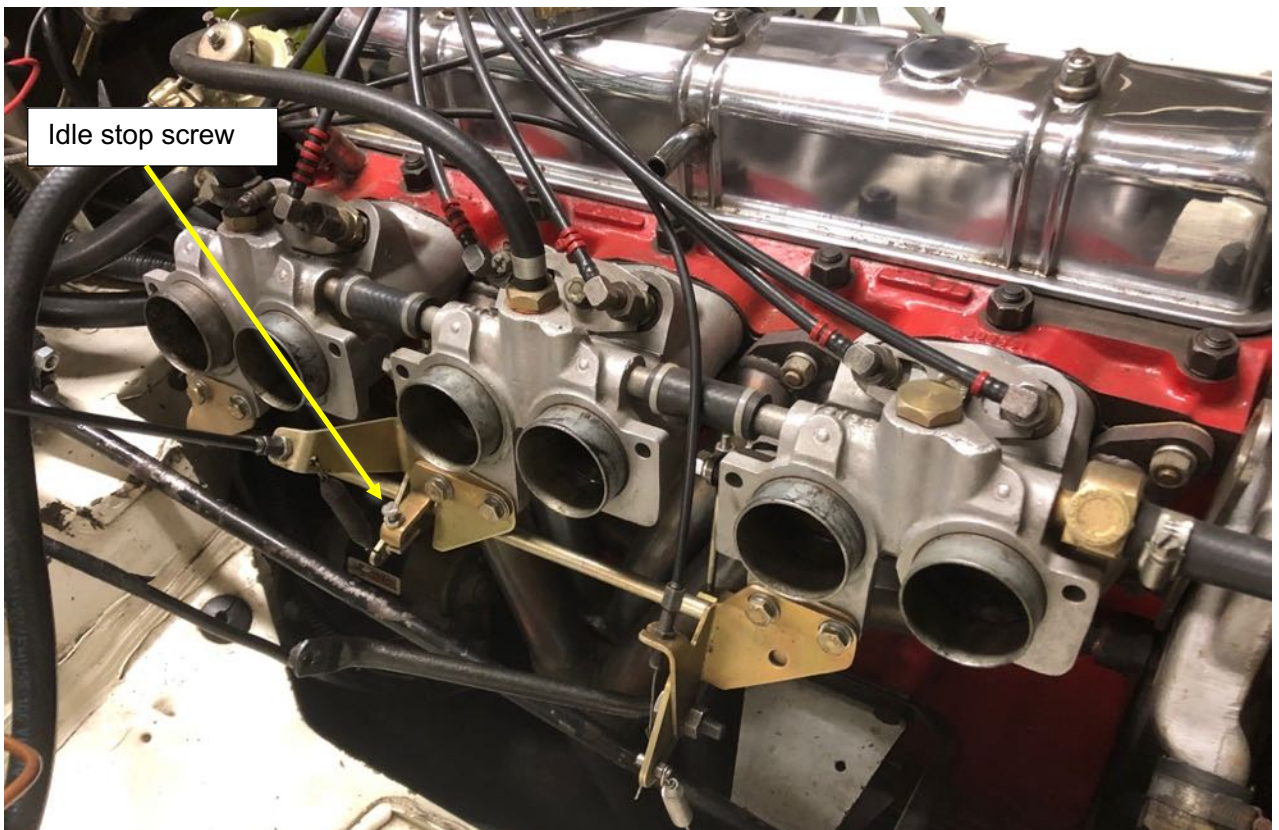
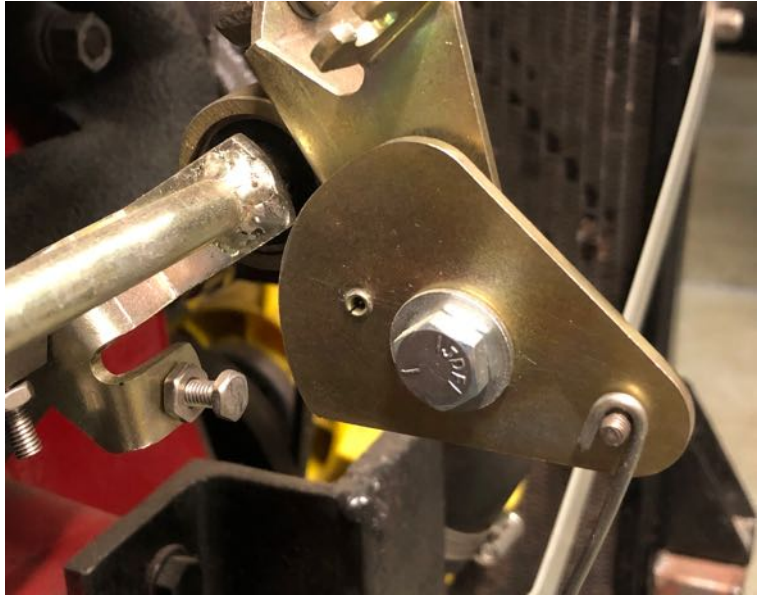
The original fitment used 3 brackets with flexible bushes. This upgrade comprises a pair of self-aligning bearings, which replace the original front and rear brackets. No bearing is required on the middle bracket.

Installation instructions:

- Remove plenum chamber and countershaft assembly.
- Remove the old flexi bush from the centre bracket – this is not required for this set up.
- Refit the countershaft with the original centre bracket and throttle stop.
- Fit the uprated front and rear bracket / bearing assemblies ensuring the brackets are installed in the right positions. They are marked R for the rear (No 6 cylinder) and F for the front (No 2 cylinder).
- Ensure the bearings are orientated in the bearing holders as shown in the photographs with grub screws facing inwards.
- Do not refit the choke cam assembly at this stage.
- Attach the throttle linkage rods and position the countershaft so that the rods are vertical.
- The countershaft can be moved by sliding the mounting brackets left and right.
- Once the desired position is obtained, nip up the bearing bracket fixing bolts on the front bracket and lock the countershaft to the front bearing by tightening the 2 grub screws.
- Remove the fixing bolts from the rear bearing bracket and rotate the bracket forwards to enable the grub screws to be tightened to the shaft. Then refix the bracket with the two bolts.
- Attach the throttle return spring and ensure the countershaft turns freely and returns fully to the throttle stop.
- Remove screws from front bracket and fit choke assembly.
- Check again that the countershaft turns freely and returns fully.



- Reconnect throttle and choke cables.
- Again check that the countershaft turns freely and returns fully.
- Check the proximity of the choke adjusting screw to the choke cam.
- If choke cam is too far away from the adjusting screw (as shown in the photo), it means the countershaft is over rotated when in the idle position and the butterflies will not fully open.
- To rectify fully retract the idle stop screw and wind out the throttle linkage rods to make them longer. As you do so, the choke adjusting screw will move towards the choke cam.



- Synchronise the butterflies and set the engine idle speed and choke cam clearance as per manual – relevant sections of the manual attached.
- Refit the plenum and breather pipe.

NOTE: NO ATTEMPT SHOULD BE MADE TO START THE ENGINE OR DRIVE THE CAR IF THE SHAFT DOES NOT ROTATE FREELY OR SHUT POSITIVELY AGAINST THE THROTTLE STOP.

If you have any problems or queries please contact:

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