

### 6 SPEED GEARBOX BUSHINGS

PAGE 1

(Always refer to the current catalogue for complete application listings)

**N.B:** This installation guide should be used in conjunction with the workshop manual.

#### **Tools Required:**

1. 12mm Socket.
2. 14mm Socket.
3. 17mm Socket.
4. Socket extension bar (Approx 6" length minimum)
5. Ratchet.
6. 12mm Ring Spanner.
7. 14mm Ring Spanner.
8. Flat bladed screwdriver.
9. Tension wrench.
10. Jack / Lift.
11. Jack Stands / Transmission Stand.

#### **Notes:**

Please be aware the images shown in this installation guide are there to assist in the installation of the bushings some differences will be found in the installation process due to the varying Subaru models the bushings will fit.

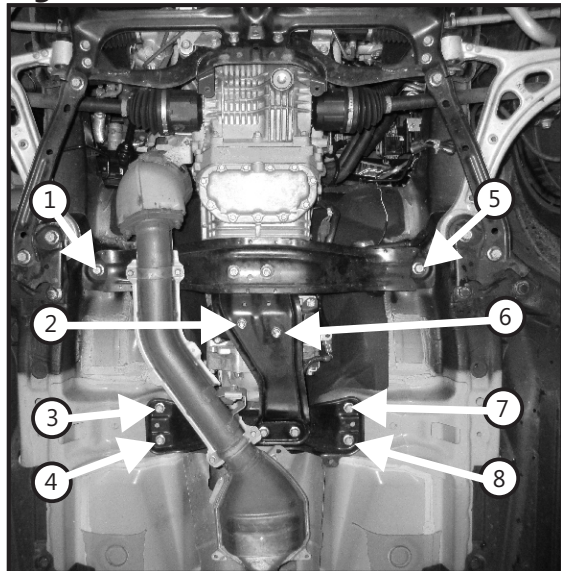
Illustrated shows the 2015 model Subaru Impreza STi

#### **Removal Procedure:**

1. Raise the vehicle and support on suitable chassis stands to allow sufficient access to the transmission.
2. Remove the plastic cover tray as shown in (Fig 1) On vehicles where this is applicable.
3. Using a 14 & 17 mm socket, extension bar and ratchet remove the 14 & 17 mm hex head cross member bolts as shown in (Fig 2) & (Fig3).
4. Remove the two 12mm hex head bolts on the front of the exhaust heat shield which is attached to the rear of the gearbox cross member support (Fig 2).

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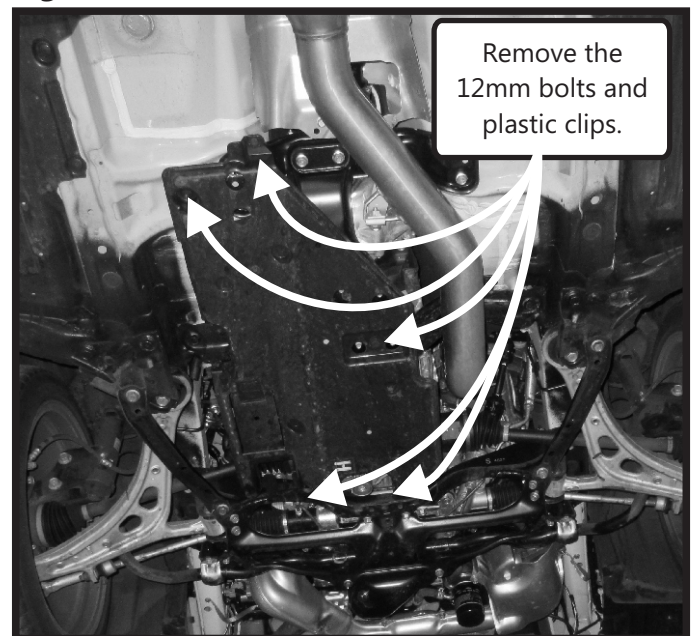
**Figure 3**



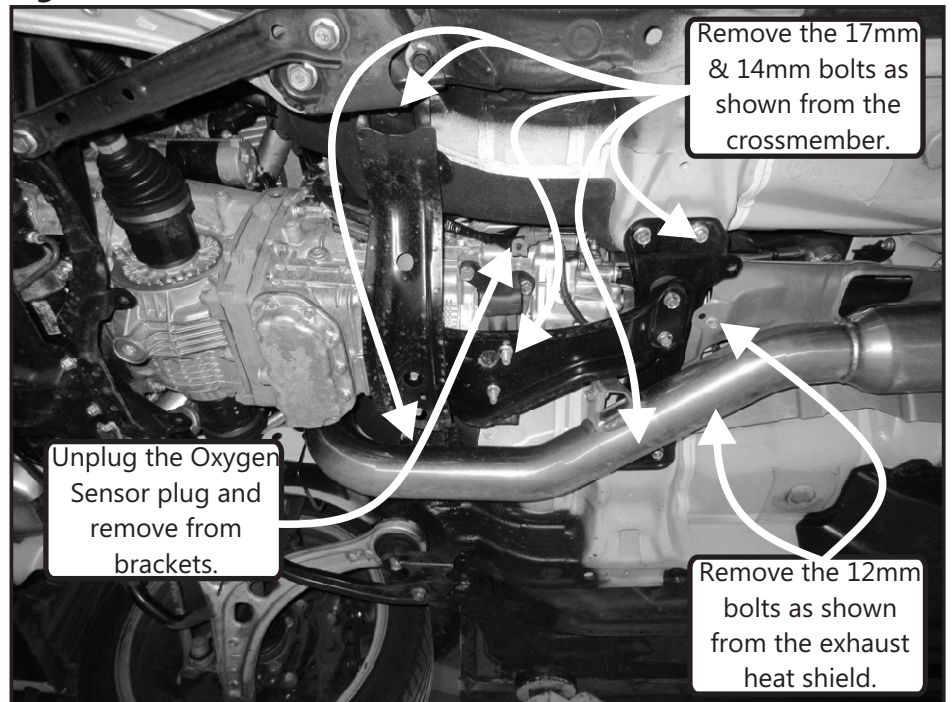
#### **Bill Of Materials:**

- 1 x 68729 6 Speed Transmission Shifter Block.
- 2 x 68730 6 Speed Transmission Shifter Bushing.
- 2 x 19mm Long Tubes.
- 1 x 38mm Long Tubes.
- 2 x M8 Flange Bolts.
- 1 x Grease Satchet.
- 1 x Install Guide.

**Figure 1**



**Figure 2**



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#### PAGE 2

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#### Continuation

**5.** Remove the two rear 12mm hex head exhaust heat shield bolts from the rear of the shield (Fig4).

**6.** Remove the exhaust heat shield from the vehicle feeding the oxygen sensor wiring through the front of the heat shield hole.

**7.** Using a 14mm hex head spanner, loosen the side shifter bushing bolt as shown in (Fig5).

Pull the bolt out as far as possible then slide the shifter arm downward out of the bracket.

Once the bolt has cleared the slot the bolt will be able to be completely removed.

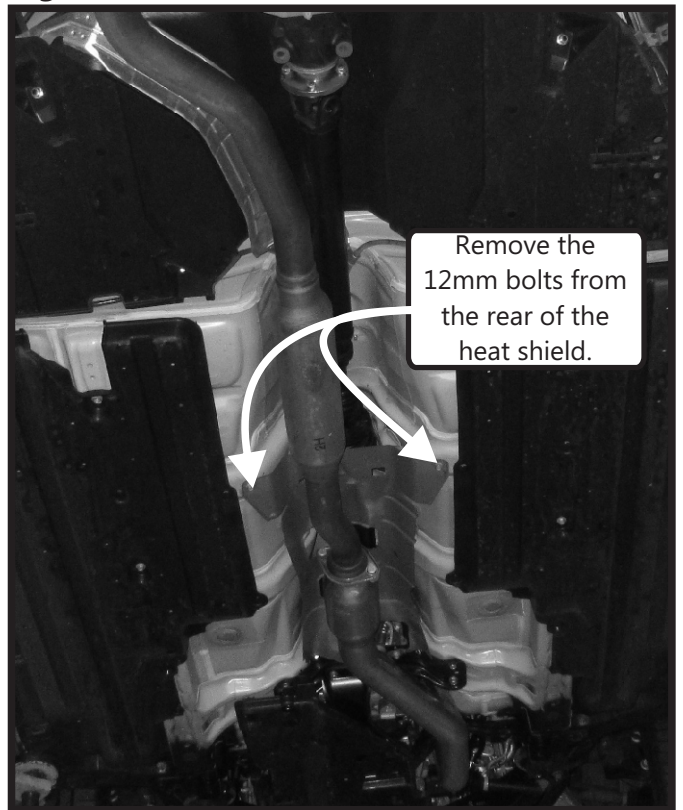
**8.** Using a suitable flat blade screwdriver, insert the blade into the rubber shifter bushing tube and pry the bushing out of the end ring.

**9.** Install the supplied bushings into the end ring and lubricate the bushing faces and bore with the supplied grease.

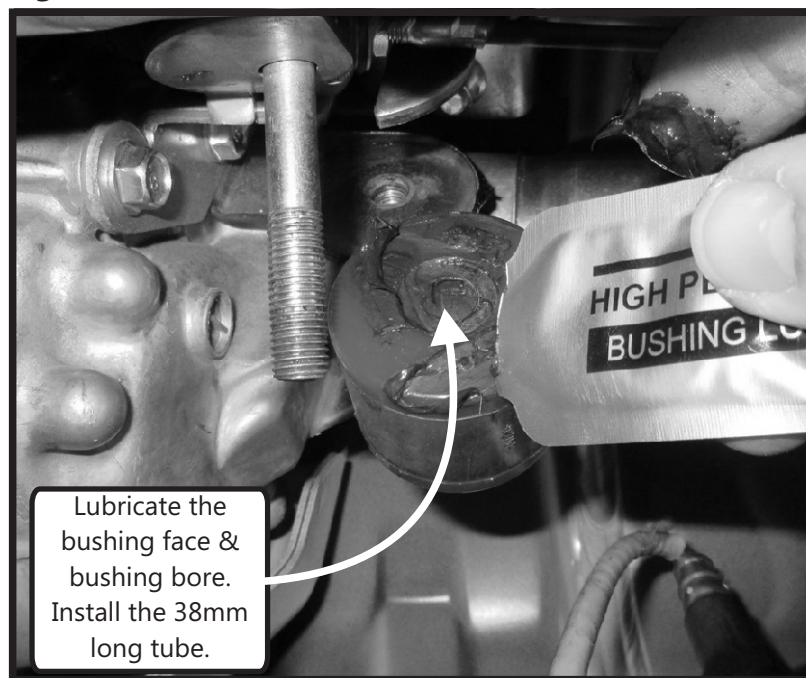
Install the supplied 38mm long tube and pre-install the bolt into the bushing, slide back up into place and finger tighten the bolt at this stage.

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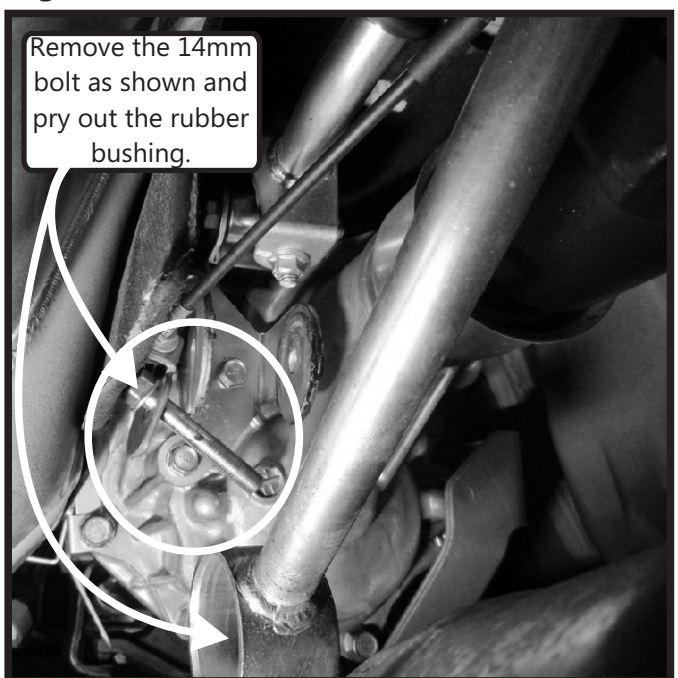
**Figure 4**



**Figure 6**



**Figure 5**



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PAGE 3

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#### Continuation

**10.** Remove the two rear 12mm hex head bracket bolts as shown in (Fig 7).

**11.** Remove the bracket from the shifter mechanism by levering off the bracket with a suitable flat blade screwdriver or pry bar.

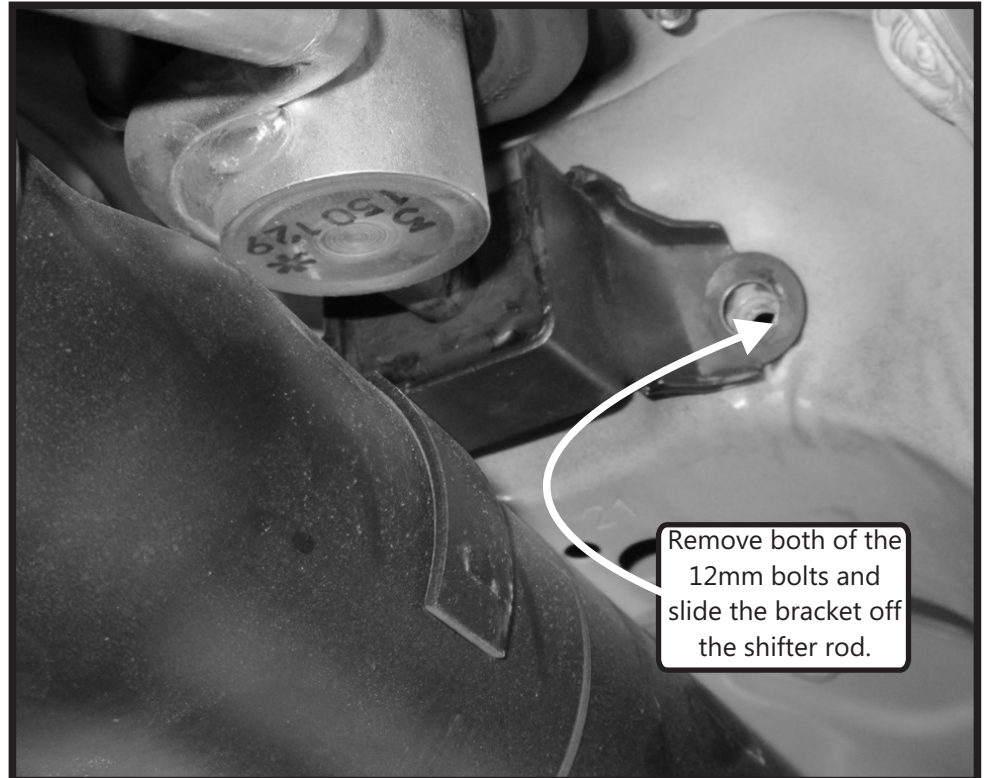
**12.** Using the supplied 19mm long tubes and M8 hex head bolts install the bracket first to the shifter mechanism shaft as shown in (Fig 8) then install the supplied tubes and bolts.

Torque to manufacturers torque specifications.

**13.** Tighten the front shifter 14mm hex head bolt with a suitable spanner and re-fit all components removed in the reverse order.

**14.** Re-check and Re-torque all bolts after 60 Miles or 100Kms.

**Figure 7**



**Figure 8**

