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Aygo 1.0 HC07 JUG

The Toyota Aygo 1.0 HC07 JUG was launched in 2005 and has proven to be a popular car. This handy article should prove useful to any independent garage undertaking the four hour repair. We tackle the semi automatic transmission in this article.

We used a two post ramp and engine support beam and two transmission jacks to assist with the repair. If the vehicle has alloy wheels, then it is a good possibility that they are secured with anti theft bolts, so make sure the locking tool key is available before starting the repair. Before removing the gearbox, set the clutch actuator into a default mode so that it will release the preload. To do this, install the diagnostic tool and set to the clutch clamp position, which will release the clutch fully. Failure to do this can result in damage to the adjustment mechanism.

Disconnect the battery terminals and stow safely. Remove the battery support clamp and battery. Release the five bolts that hold in place the battery tray and remove. Disconnect the three gear shift connector switches positioned on the gear selector unit (fig 1). Disconnect the



clutch cable from the release lever. Remove the bolt that holds the wiring loom bracket in place. Disconnect the switch found at the front bottom of the gearbox, and the switch found at the rear of the gearbox, and stow the wiring loom aside. Completely remove the gear selector unit by removing the three securing bolts. It is a good idea to mark the positioning of the bolts to



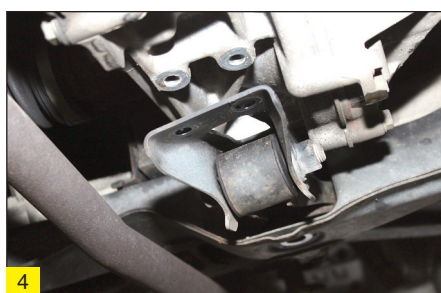
ensure the correct position when reinstalling the unit (fig 2). Once removed, this will expose a connector switch underneath, that can be disconnected and stowed safely to the side.

Remove the earth lead bracket, held in place with two bolts, and remove the oxygen sensor connection and bracket and stow. While the vehicle is still at ground level, it is a good idea at this point to remove the top two accessible bell housing bolts and one starter motor bolt (fig 3). Remove the engine top mount bolts and support the engine with the



support beam. Raise the vehicle and drain the gearbox oil. Remove both front wheels, and on the nearside release the inside wheel arch liner by removing three bolts. Only the front section needs to be released for better access when lowering the gearbox.

Unbolt the bottom ball joints and release from the lower suspension arms on both sides. Remove the drive shafts from the gearbox and the wheel hubs. Remove the bottom gearbox stabiliser (fig 4) which is held by three bolts, two at the front and one that secures from the rear through the subframe, and slide the stabiliser out from the subframe. Remove the back plate from the gearbox, held by three bolts, and



remove the starter motor bolt from the rear (fig 5). Support the gearbox using the transmission jacks, and remove the remaining three bell housing bolts.

Carefully lower the gearbox to the floor and remove the worn clutch cover, drive plate and release bearing. With the clutch removed, check the flywheel for signs of heat stress. Clean the first motion shaft splines and any debris from the bell housing (especially important when a release bearing has failed).

Put a small dab of high melting point grease (not a copper based product) on the first motion shaft splines and make sure the new driven plate slides freely back and forth. This not only spreads the grease evenly, but also makes sure you have the correct kit. Wipe any excess grease off the shaft and driven plate hub. Using a universal alignment tool and checking the driven plate is the correct way round (note "Getriebe Seite" is German for "Gearbox Side") the clutch can be bolted to the flywheel evenly and sequentially.

Before fitting the gearbox make sure the locating dowels are in place and not damaged. Refit any that have become dislodged and refit the gearbox. Make sure the gearbox bell housing bolts are secured and the gearbox stabiliser is installed before removing the transmission jacks. Refitting is the reverse of the removal, not forgetting to reset the clutch actuator and gears using your diagnostic equipment.

For technical support and repair installation tips, go to

www.RepXpert.com or you can call the LuK technical hotline on 0044-143-226-4264.

