

# **Aprilia RRV450GP**

Technical Information Sheet 1:

## **Transmission Oil Change Procedure**

The following guidance notes are provided to assist the owner to maintain the machine in a competitive and safe condition .

Whilst the information provided will assist safe use of the machine it is the owners responsibility to seek specialist advice at any stage of the procedure if there is any doubt or uncertainty.

Specialist advice on any aspect of this procedure is available through **IN Competiton:**

Tel Nr: 01704 - 894431

Email: [ian.newton@incompetition.co.uk](mailto:ian.newton@incompetition.co.uk)

### **General**

The engine layout of the Aprilia RRV450GP is composed of separate Engine and Transmission Compartments; the oil type and quantity therefore are different in use due to dynamic characteristics of the engine and gearbox.

The user should follow the procedure on the step by step basis recommended within this technical information sheet to ensure the correct quantity and type of oil is used within the Engine and Gearbox compartments.

We strongly advise the Gearbox and Engine Oil changes are completed in their entirety prior to moving on to the next stage.

# Gearbox Oil Change Procedure

## Changing Gearbox Oil: Work Sequence

The gearbox oil should be changed after a full days racing or practise.

Recommended Lubricant: ***Silkolene Comp Semi-Synthetic Racing Gear Oil***

Quantity: 600 ML

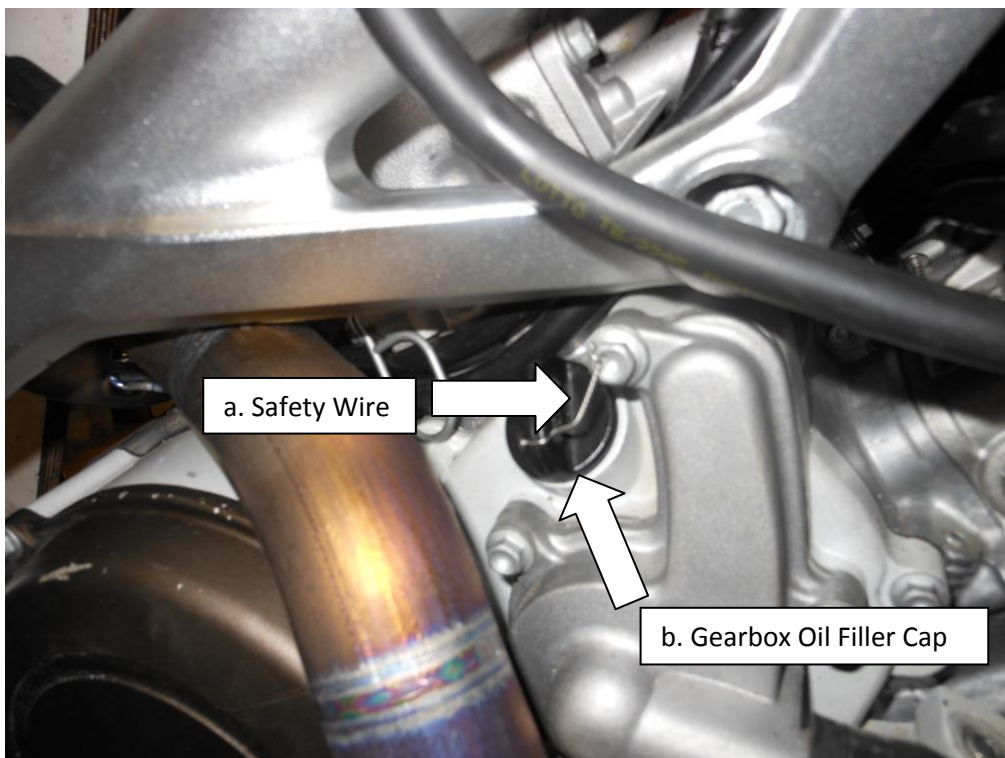
### Step 1

- a. Remove Safety Wire Lock with from **Gearbox Oil Filler Cap** with suitable side-cutting pliers.
- b. Remove **Gearbox Oil Filler Cap** and clean; inspect O ring for damage; replace if damage is found such as nicks or cracks.
- c. Place Filler Cap on clean surface after cleaning and inspection.

**Note Well: Do not replace filler cap until a fresh charge of 600 ML of recommended gearbox oil has been added back to previously drained gearbox.**

- d. Protect filler plug area from dirt ingress by placing a clean rag or paper towel into filler plug hole on a temporary basis until ready to **insert filler Cap**.

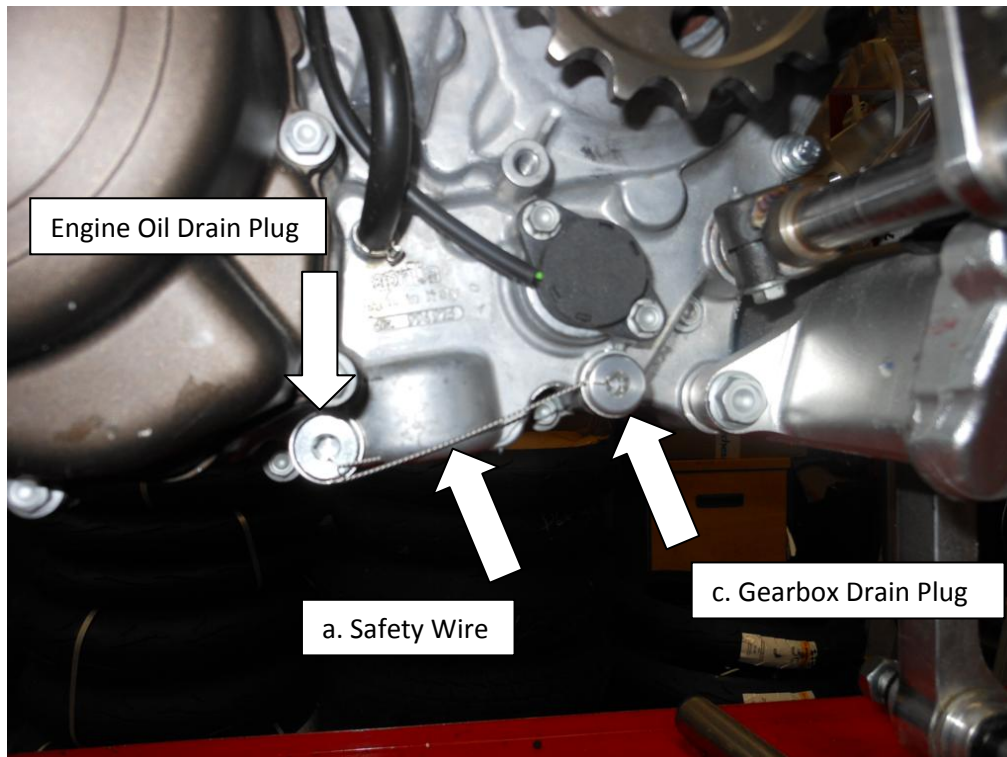
Fig. 1



## Step 2

- a. Remove lock-wire with suitable side-cutting pliers.
- b. Place a suitable plastic container of at least 600ML capacity under **Gearbox Drain Plug**.
- c. Loosen Gearbox Drain plug (shown in fig 2 below) with a well fitting 6mm Allen key or Allen socket.
- d. Allow the waste oil to drain into the plastic container; dispose of the waste oil in a safe and responsible manner.
- e. Inspect aluminium sealing washer to Gearbox Drain Plug replace if damaged or signs of oil weep.

**Fig. 2**

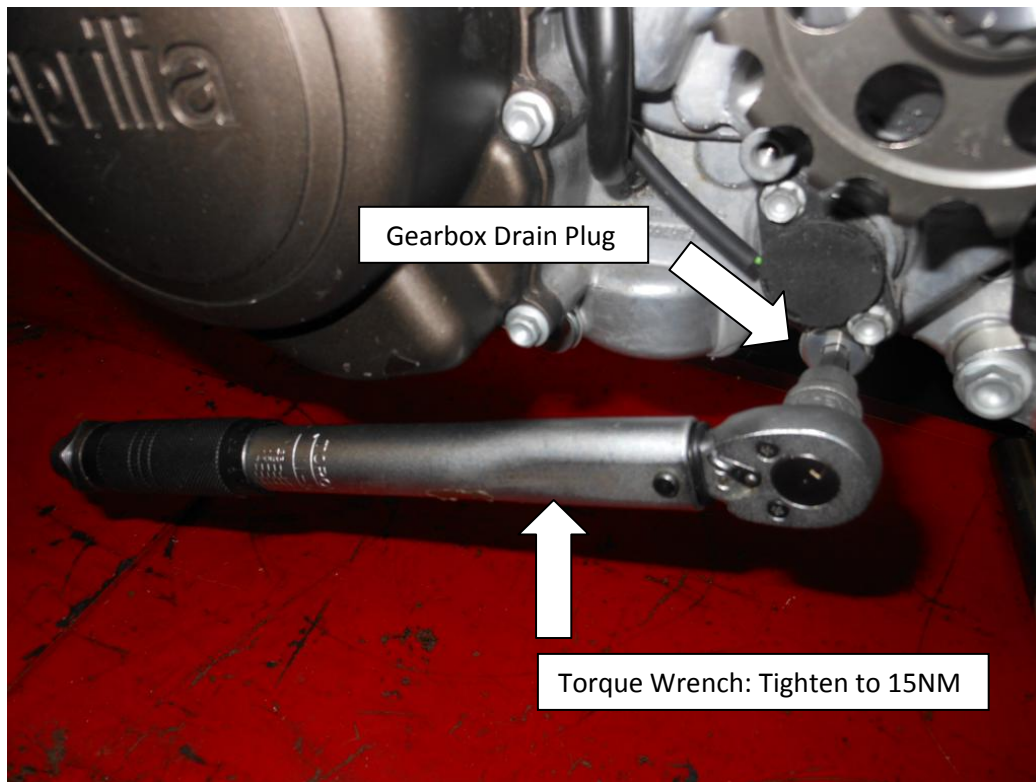


### Step 3

#### Re-filling procedure

- a. Insert Gearbox Oil Drain Plug; ensure aluminium sealing washer has been placed onto the Oil Drain Plug.
- b. Insert Plug and tighten/torque to 15NM with a suitable 6mm Allen headed socket and torque wrench as shown below in fig 3.  
Wire-lock to engine oil drain plug on completion of **Engine Oil Changing Procedure as shown in fig. 2 above.**

Fig.3



#### **Step 4**

Refilling with a fresh charge of oil is the reverse of draining the spent Gearbox Oil:

- a. Remove rag or paper towel (as noted in d. step 1) from Oil Filler Plug hole Insert a fresh charge of 600ML of ***Silkolene Competition Gearbox Oil***.
- b. Replace Oil Plug Cap and tighten; it is recommended to *hand tighten* only as using pliers or the like may result damage to the Oil Filler Cap.
- c. On completion of filling oil and replacing **Oil Filler Cap** wire cap with safety lock-wire as shown in **Fig. 4 Lock to pre-drilled water pump housing bolt**.
- d. On completion of re-filling clean down Oil Filler Plug and Oil Filler Cap areas with a suitable solvent.

**Fig.4**

