



**Model:** RS 457

**Subject:** Replacement of timing chain tensioner - Technical update

**Campaign Code:** 2025\_RS457\_TENSIONER

Dear Dealer / Service Centre,

Through the ongoing, stringent quality control activities we perform on the components installed on our vehicles and our continuous research to develop better new technical solutions, in keeping with our commitment to ensure the best ownership experience possible for the customer, with this note we wish to inform you of the need to replace the timing chain tensioner.

Please determine which vehicles in your stock and:

- update all vehicles in stock before sale

As usual, for sell-in dealers, the list of chassis numbers involved belonging to your stock is viewable in the section Campaigns / Campaign Reports of the PWM warranty management software suite. For all others, the verification of those involved can be carried out by querying each individual chassis number from the Miscellaneous functions -> PWM Vehicle History menu.

Please contact the Technical Help Desk of our Technical Support Service for any queries or assistance.



## OPERATING METHOD OF INTERVENTIONS ON THE PWM

- From the main menu, select the option “**campaigns**”, then select the option “**Enter campaigns**” from the sub-menu.
- Enter the chassis number subject to the recall campaign in the window opened.
- Select “**search**” to open a window with the available service coupon:
  - **Coupon 1 Replacement of timing chain tensioner:** service coupon that foresees the replacement of the timing chain tensioner, the automatic order of the necessary components (in the countries where this option is foreseen) and the reimbursement of the materials and labour employed.
- Select the coupon, compile the “**Km**” field, and then save the procedure.
- Once the operation has been completed, it is essential to immediately declare the service coupon as carried out\* in the PWM in order to conclude the intervention and receive a refund.
- The coupon that will not be declared "carried out" (by the PWM status management) within 6 months from the day of entry will be automatically discarded by the system as NOT CARRIED OUT and will NOT be refunded



**LABOUR AND SPARE PARTS:**

**Coupon 1 Replacement of timing chain tensioner:**

Spare part no.:

Chain tensioner support code 1A029415 (qty. 1)

Clutch cover gasket code 1A020864 (qty. 1)

Chain tensioner support gasket code 1A024276 (qty. 1)

Minutes of labour envisaged for procedure:

RS model: 35'

If other worn/damaged components are encountered, proceed with the warranty claim by entering the campaign code '2025\_RS457\_TENSIONER ' in the notes.



## OPERATING PROCEDURE

Below is the procedure for replacing timing chain tensioner.

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Loosen the lower heat shield.



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Remove the right side engine fairing.



Disconnect the clutch cable and remove the clutch cover.



Remove the small cover on the flywheel cover.



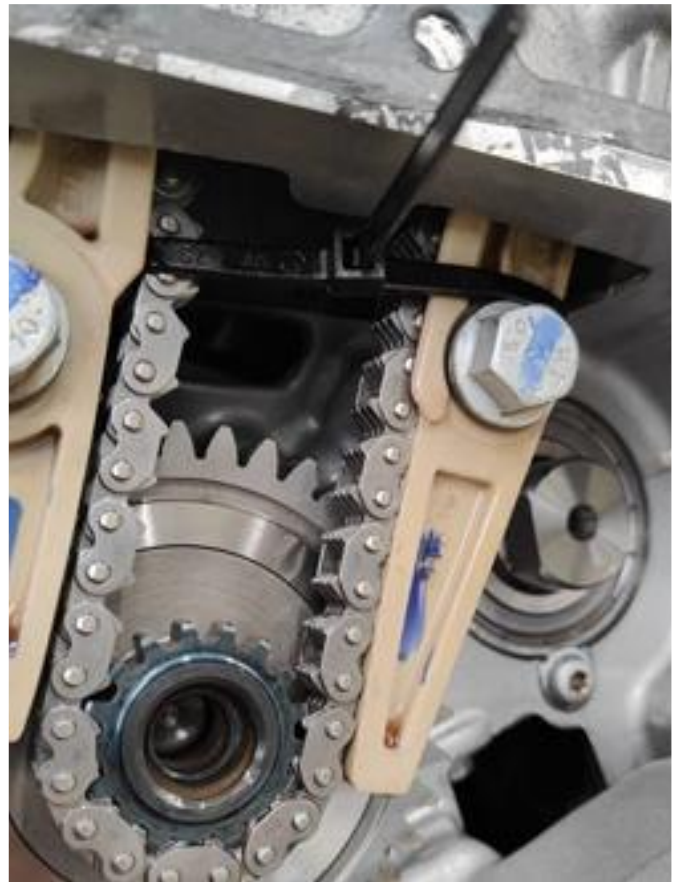
Rotate the crankshaft to find the Upper Dead Centre.



Insert the timing pin 020851Y (1) intercepting the hole in the crankshaft.



Check that the chain is free and place a clamp on the chain as shown in the figure to secure it.



Remove the old chain tensioner.

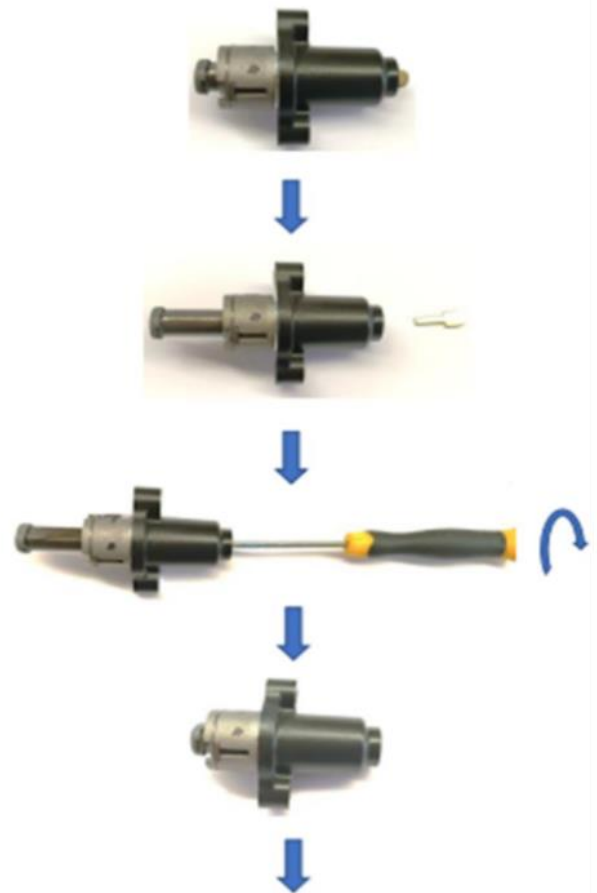


Prepare the new chain tensioner code 1A029415, removing the pin that holds it in place.

Then re-arm the chain tensioner with a flat screwdriver, tightening clockwise, until it is locked without the use of the pin.

Using a 3 mm Allen key, screw the grub screw onto the head of the chain tensioner.

Keep the distance of the grub screw approximately 0 - 0.5 mm from the surface of the chain tensioner body (see figure).



Insert the new chain tensioner, use a new gasket code 1A024276.

Maintain the direction of the chain tensioner as indicated on the chain tensioner. The ribbing must face upwards.

Hand-tighten both fixing screws and ensure that there is no gap between the chain tensioner and the mounting surface.



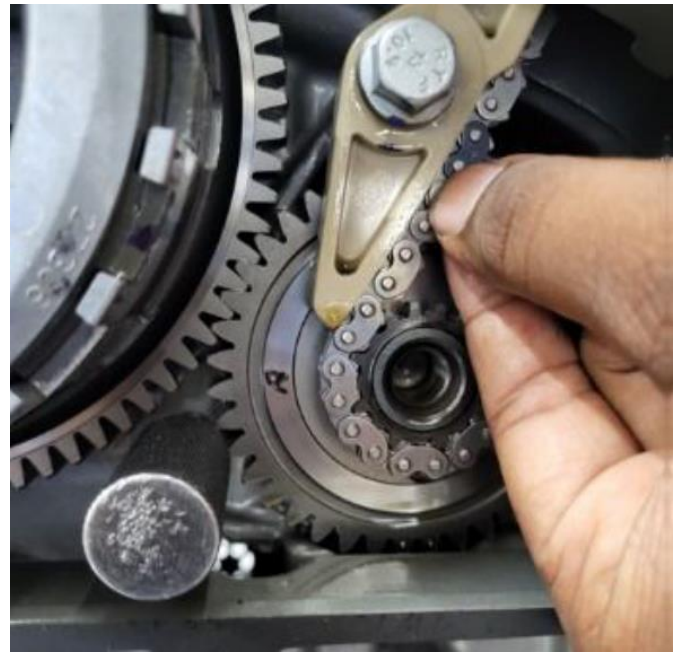
Take care during insertion so that the chain tensioner does not disengage.



With a rubber mallet, tap the side of the chain tensioner to cause it to disengage (you will hear a click, confirming this).



Having **removed the clamp**, ensure that the chain is tensioned after the new chain tensioner is released.



Tighten the 2 screws of the new chain tensioner to a torque of 10 Nm  $\pm$ 10%.





Please contact the Technical Help Desk of our Technical Support Service for any queries or assistance.

Please accept our  
Best regards,

Piaggio & C. SpA  
Aftersales Business Unit  
Technical Service & Customer Care