

Model 250R/RX

Throttle cable routing

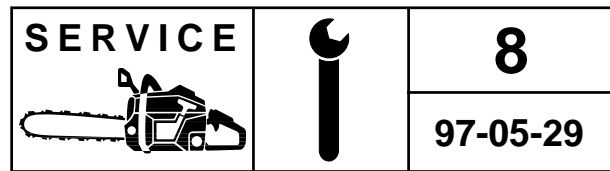
This is an instruction covering how to modify the throttle cable routing on machines with a serial number before 7170157, where the cable enters on the left-hand side of the engine horizontally under the air filter holder to correspond to the routing that applies after serial number 7170156.

This involves the throttle cable entering on the right-hand side of the engine diagonally through the crankcase and upwards to the carburettor. This allows straight routing and is therefore easier. Two holes must be drilled in the crankcase to accommodate the routing. See the diagram with dimensions.

In addition, a protective hose needs to be fitted between the holes in the crankcase. A new throttle cable is also necessary due to its altered length.

The following description gives you a step by step guide on how to do this without dismantling too many components.

1. Remove the cylinder cover.
2. Loosen the starter.
3. Unscrew the short-circuiting cable on the ignition module. Pull the flat pin sleeve off of the ignition module.
4. Loosen the throttle cable from the throttle lever on the carburettor. Loosen the two screws on the anti-vib springs by the tank.
5. Remove the fuel pipe from the carburettor.
6. Undo the screws that clamp the holder on the shaft. Pull the holder and tank down towards the gear on the shaft, about 30 cm. Make sure the fuel pipe, throttle cable and short circuit cables also follow.
7. Remove the four screws on the clutch cover. The engine can now be removed from the shaft. Take the rubber grommet used for the short circuit cables out of the crankcase.
8. Mark out the hole centres as shown in fig. 2 for both holes. Drill the holes using a 9 mm bit.
9. Thread the protective hose on a starter cord. Turn the collared end of the hose towards the knotted end of the cord. Tie a few more knots so the hose cannot slide off. Heat the other end of the cord approx. 3-4 cm so it becomes rigid.



10. Thread the starter cord in the hole drilled by the carburettor housing in the crankcase.
11. Coax the cord out through the hole drilled by the clutch cover. You can use a steel wire with the end bent in a U to catch the cord. The short circuit cable hole just above can be used to look through.
12. Pull the protective hose right through the crankcase using the starter cord.
13. Remove the grey protective cover from the cable harness on the right-hand side of the tank.
14. Remove the cover from the rear of the throttle (250 RX). Split the throttle (250R).
15. Loosen the throttle cable from the cable pulley. Dismantle the short circuit cables with the contact strip (250 RX). Unhook the throttle cable from the throttle trigger (250R).
16. Remove the old throttle cable.
17. Thread the cable through the black protective sheath first. Then thread the new throttle cable through the plastic hose from the hole by the clutch cover and up to the carburettor housing. Secure the clutch cover with the shaft on the engine.
18. Fit the rubber grommet on the short circuit cables. Thread the cables through the hole in the crankcase and out to the ignition module. Connect the cables on the ignition module and press the rubber grommet in the crankcase. Check that the pole gap between the flywheel and the module has not changed.
19. Fit the carburettor and filter holder. Hook the throttle cable on the lever and secure the wire sheath to the air filter holder.
20. Slide back the suspension with the tank towards the engine. Insert the fuel pipe in the hole in the crankcase. Fit the fuel pipe on the carburettor. Make sure the short circuit cables are stretched.
21. Secure the anti-vib springs between the tank and engine.
22. Fit the throttle cable and short circuit cables in the throttle. See fig. 1. The U-shaped nipple on the throttle (250RX) by the wire pulley should be fitted with the opening on the nipple facing towards the throttle trigger.
23. Fit the cylinder cover and starter.

The new throttle cables and plastic hose have the following part numbers:

- 502 28 60-04 Throttle cable 250 RX
- 502 22 89-01 Hose
- 502 27 93-04 Throttle cable 250R

Fig. 1

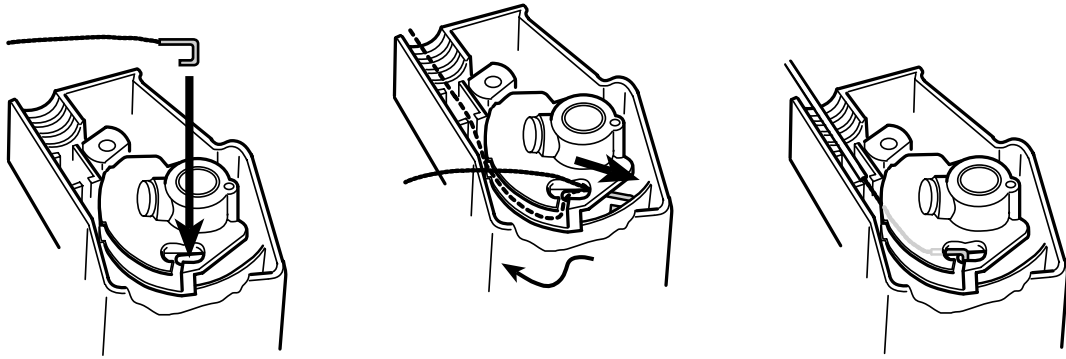


Fig. 2

