

Rewiring for starter on VW diesel engine (Greenline 33)

This rewiring should be done by trained professional only!

Step 1:

Turn off engine. Turn off all main switches on the boat. Turn off 12V charger.

Step 2:

Find the main harness of VW engine going from engine to negative bus bar and to service box (on stbd side). See figures 1 and 2.

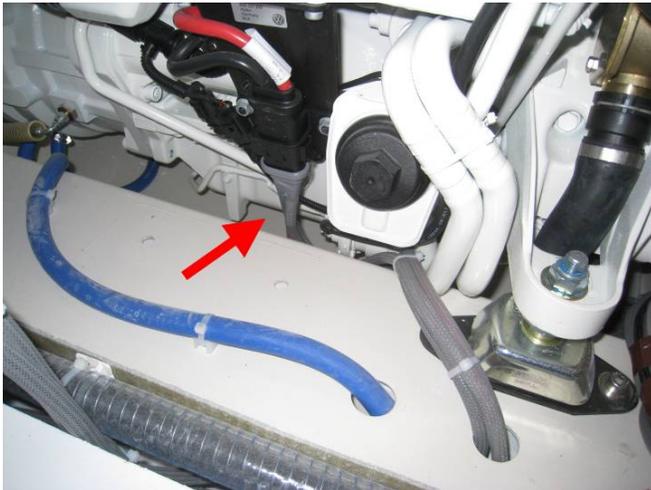


Figure 1: Main harness of VW engine.



Figure 2: Main harness of VW engine.

Step 3:

Cut the braided sleeving of the harness. Then cut the black (negative) cable. Make sure that the cable coming from the engine is long enough to reach the negative pole of engine battery (blue box on figure 2). See figures 3 and 4.



Figure 3: Cutting place of negative engine cable.

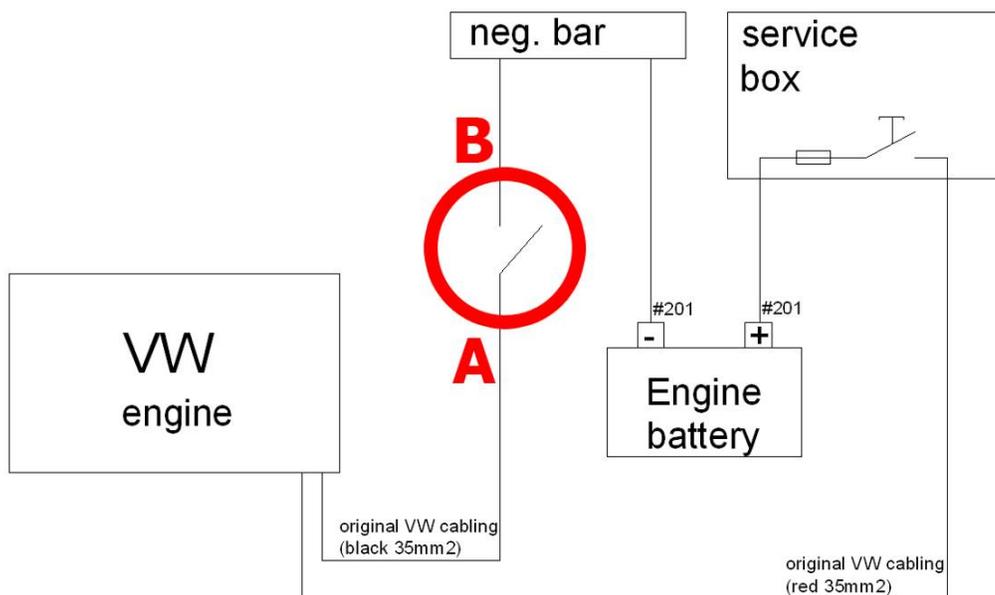


Figure 4: Cutting place of negative engine cable (wiring diagram).

Step 4:

Insulate the cable coming from the negative bus bar (B on figure 4). Mount the ring terminal to a cable coming from the engine (A on figure 4).

Step 5:

Connect the cable with ring terminal to negative pole of engine battery as shown on figure 5. You will have two cables connected to negative pole of engine battery: #201 (connection from battery to neg. bus bar) and VW negative power supply (figure 6).

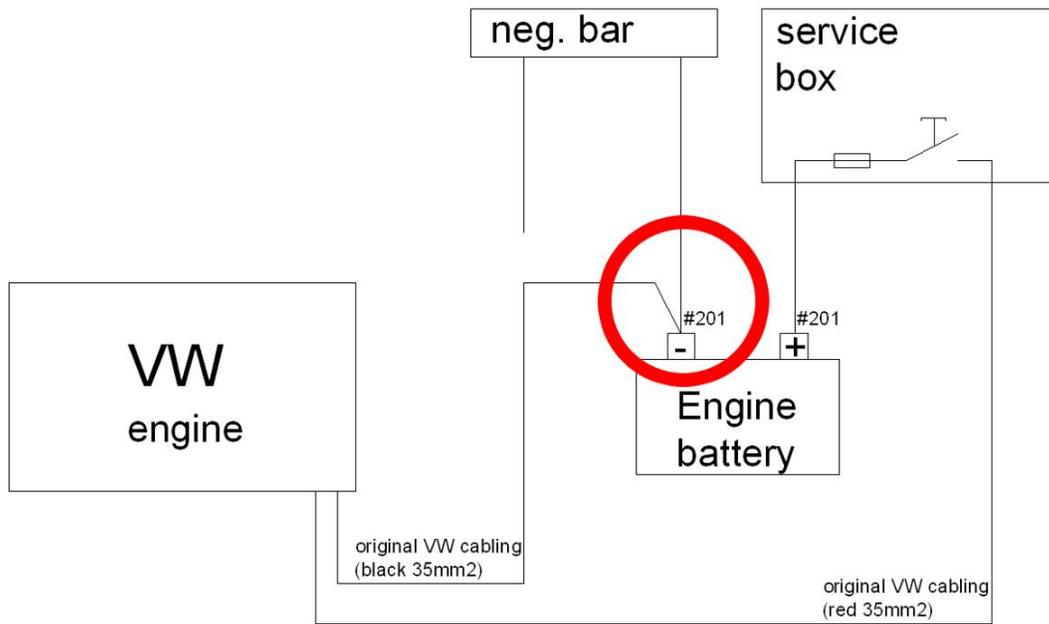


Figure 5: Wiring diagram: new cable connection.



Figure 6: Engine battery (#201) and VW engine connections connected together to negative pole of engine battery.

Step 6:

Check all the connections (mechanically and electrically). Now you can normally start the engine with shorter cable for starter power supply (= less voltage drop).