

EZ POWERSTEERING

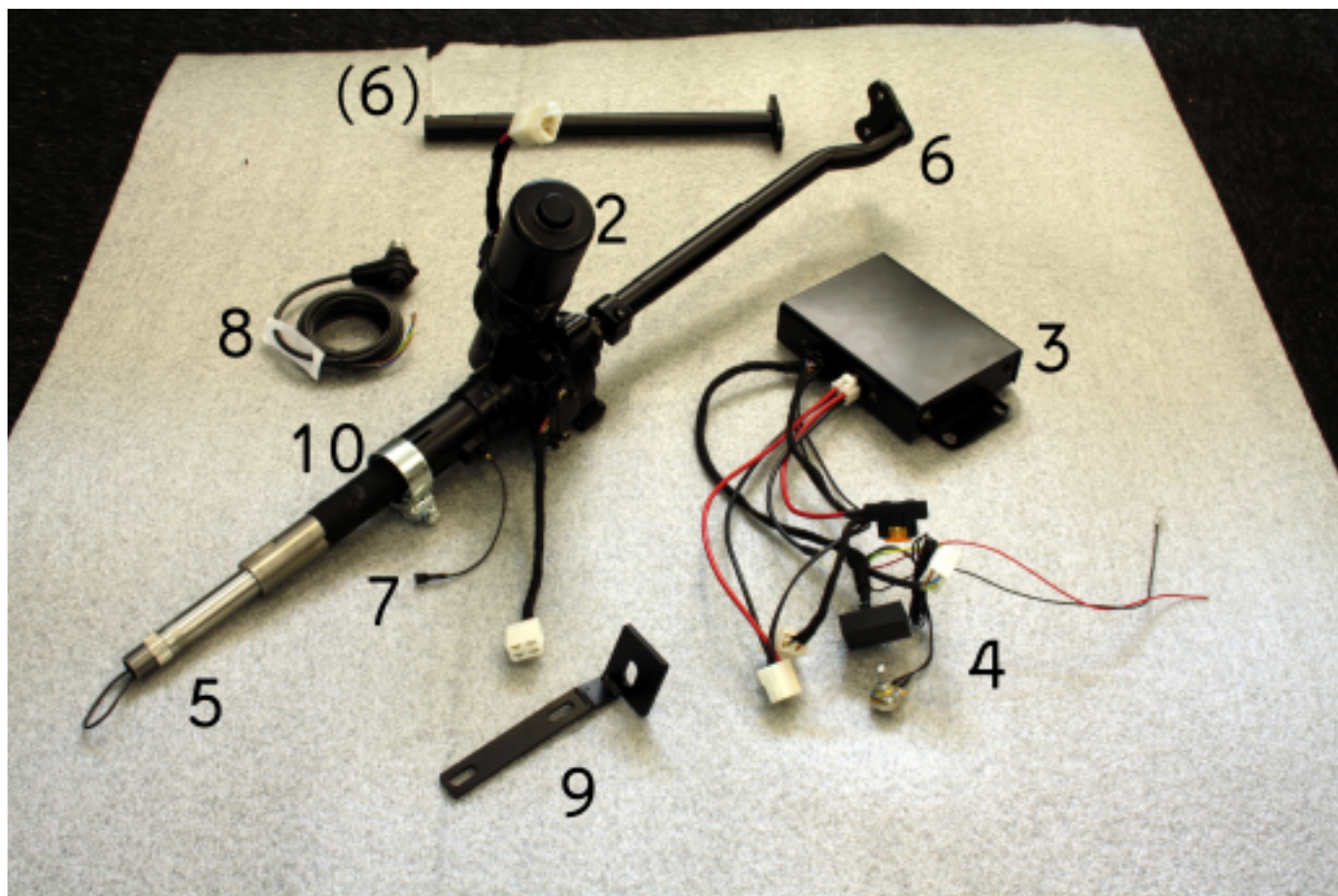


## INSTALLATION MANUAL VOLVO AMAZON/120 SERIES

Version 0.2

28-06-2011

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EZ-AMAZON-1. EZ Powersteering, complete set

EZ-AMAZON-2. Servomotor

EZ-AMAZON-3. Computer

EZ-AMAZON-4. Cable set with speed pulse generator

EZ-AMAZON-5. Input shaft

EZ-AMAZON-6. Output shaft\*

EZ-AMAZON-7. Brush contact for claxon

EZ-AMAZON-8. Connector speedometer cable

EZ-AMAZON-9. Mounting brackets

EZ-AMAZON-10. Steering tube clamp

(\*depending on the car's year of production, a different output shaft will be shipped)



1. Remove the battery negative lead.

2. Remove the steering wheel motif and cut the horn cable, leaving 2" (5 cm) of cable at the motif. Pull the wire out of the steering tube.



1.1 Disconnect the battery



2.1 Remove wheel motif

3. Remove the steering wheel.

4. Remove the plastic cover and the stalks from the steering column.

5. The steering shaft is fitted with the indicator's cancel mechanism, a ring, a spring and a bearing, in that order. These are to be transferred to the new shaft.



4.1 Cover and stalks



5.1 Note the correct order

6. Measure and note how far the steering shaft protrudes from its shroud. Ideally this should be 1.6-2.0" (4-5 cm). Also note how far the shroud itself protrudes from the dashboard.



6.1 Measuring the shaft



6.2 Measuring the shroud

7. Detach the steering shaft in the engine bay.

8. Loosen the steering column mounting brackets under the dashboard. Do the same for the output shaft. The entire column can now be removed, as well as the output shaft.

9. The original steering shroud has to be cut short to fit in with the measurements taken in step 5. The shroud should not interfere with the brush contact on the EZ Powersteering! Also remove the bearing in the shroud beforehand, it will be reused.



7.1 Detaching the steering shaft



9.1 Shroud with bearing

10. Fit the output shaft through the bulkhead, but only fit the clamp after doing so.



10.1 Fit output shaft through bulkhead



10.2 Fitting the clamp on the shaft

11. Starting from below the fascia panel, insert the EZ Powersteering through the fascia panel and then fit it on the output shaft.



11.1, 11.2  
Mounting the EZ Powersteering



12. Refit all the parts mentioned in step 5 in their correct order.

13. Fit the EZ mounting bracket to that of the servomotor. Fit the steering shroud, and fit the steering column to the dashboard. Tighten the clamp on the steering tube.



13.1 Mounting bracket (already attached here)



13.2 Refitting steering shroud

14. Fit the computer under the dashboard and fit the connectors.

15. Undo the speedometer cable to fit the adapter between it and the speedometer itself.

16. Refit the stalks on the steering column and the steering wheel. Reconnect the claxon.

17. Connect the thick red cable (30+) with inline fuse to the battery positive lead.

18. Connect the black negative leads to a good ground.

19. Connect the thin red 15+ positive lead to an ignition lead.

20. Reconnect the battery.

21. The computer should 'click' when the ignition is switched on. The power steering should now work.

22. Check if the steering lock functions correctly.

23. Take a test drive and check if the steering wheel is straight when the car is travelling in a straight line.