

EZ POWERSTEERING



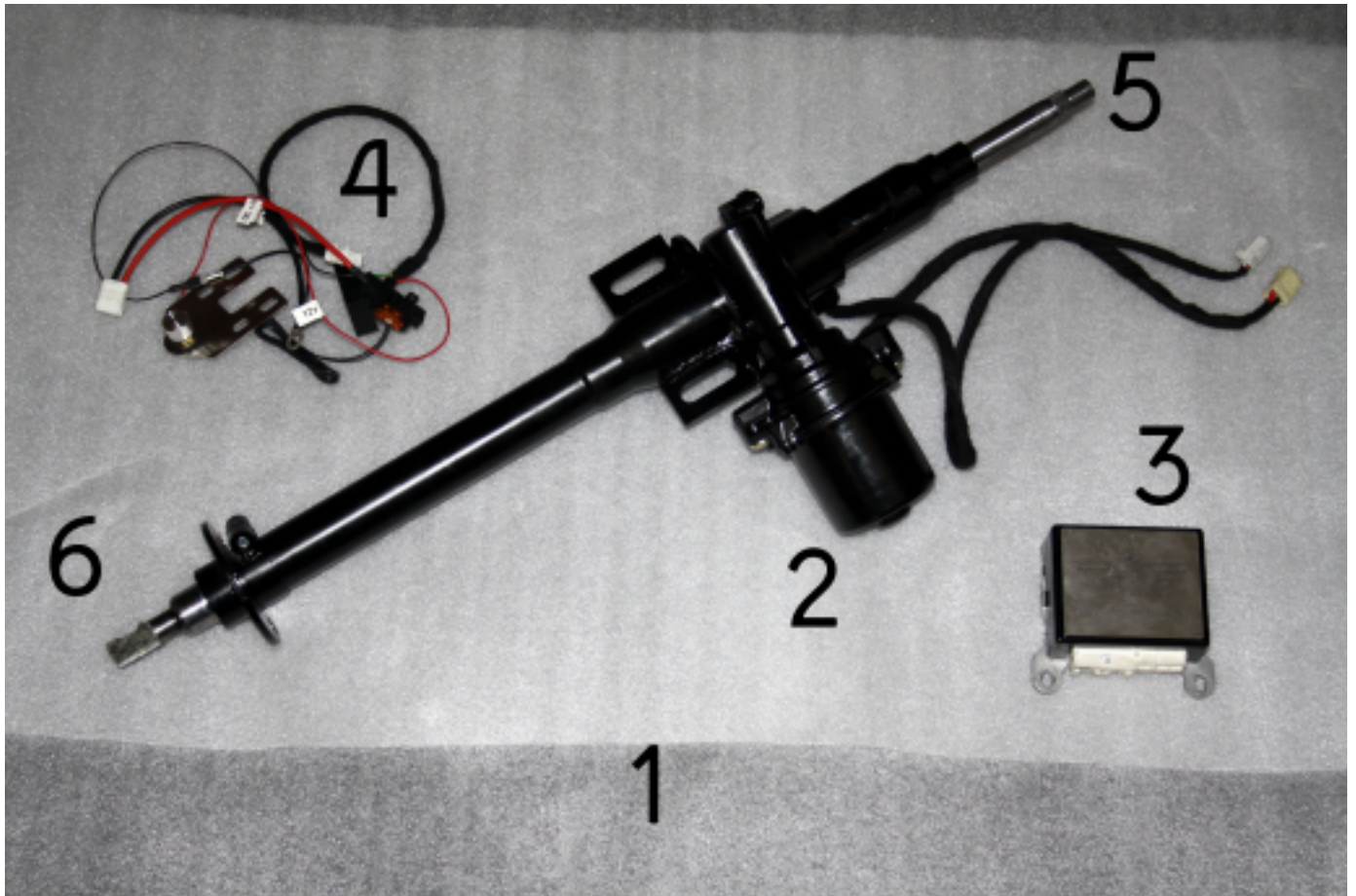
INSTALLATION MANUAL

MG RV8

Version 0.1

19-09-2011

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EZ-MGRV8-1. EZ Powersteering, complete set

EZ-MGRV8-2. Servomotor

EZ-MGRV8-3. Computer

EZ-MGRV8-4. Cable set including signal module

EZ-MGRV8-5. Input shaft

EZ-MGRV8-6. Output shaft

1. Take a test drive. Check the wheel's straight position, the car's driving characteristics, the indicator cancel mechanism and the horn.
2. Remove the battery negative lead. The battery is hidden under a hatch behind the right front seat.
3. Remove the horn button. Remove the steering wheel.



2.1 Battery location



3.1 Removing wheel motif...



3.2 Removing horn button...



3.3 Removing steering wheel

4. Remove the cover from the stalk unit.
5. Undo the two cables to the steering column.



4.1 Removing stalk unit cover



5.1 Undoing cable (1)



5.2 Undoing cable (2)



6.1 Undoing bolt in universal joint

6. Undo the bolt in the universal joint, found in the engine bay.

7. Remove the steering column. Undo the three bolts in the mounting bracket under the fascia panel, then the three bolts in the flange near the bulkhead. Pull the entire steering column from the car.



7.1 Removing bolts in mounting bracket



7.2 Bolts in flange

8. Transfer the ignition lock, the indicator and wiper stalk unit, the cables and the covers to the EZ unit column. The covers need to be modified, use the EZ as a template. Also slightly enlarge the hole in the firewall, so that the universal joint from the EZ unit fits through.



8.1. Modification from steering column covers.

9. Put the new steering column through the hole in the bulkhead, Fit the steering column to the fascia panel (two bolts) and refit the flange (three bolts). Use some sealant when installing the flange.
CAUTION: It's advised to remove the original universal joint from the steering box and fit it to the EZ unit prior installation of the EZ unit.

10. Refit the bolt to the universal joint.

11. Refit the two cables coming from the steering column.

12. Find a suitable place under the fascia panel to fit the ECU. Connect the cables to the computer.



12.1. ECU installed underneath dashbord



13.1 Potentiometer installed.

13. Find a suitable place for the potentiometer.

14. Connect the thick red cable (30+) and its inline fuse to the battery positive lead.

15. Connect the thin red cable (15+) to an ignition switched feed (12v).

16. Connect the black wire (31-) with a suitable earth point.

17. Temporarily install the steering wheel.

18. Reconnect batterie earth.

19. After the ignition has been turned on a click should be noitceable from the EZ ECU. The system is now operational, check this. Also check if the support from the EZ system changes when turning the potentiometer. Also check all steering column switches.

20. Take the car for a test drive and recheck all systems. Check the allignment from the steering wheel and adjust if needed.

21. Tighten the steering wheel nut, and fit horn button.