



东风乘用车

# 转向系统



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# Steering System



- 1、熟悉E70转向系统的组成和结构特点
- 2、能对E70转向系统进行故障诊断与排除
- 3、掌握E70转向系统各部件的拆装更换方法及注意事项



1. Familiar with the composition and structural characteristics of the E70 steering system
2. Troubleshoot the E70 steering system
3. Master the removal and refitting and replacement methods and precautions of the E70 steering system

# 一、E70转向系统的结构特点



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## 1、方向盘

采用三幅条装备安全气囊的方向盘,E1级车型上含音响及蓝牙控制按键。



# I. Structural characteristics of E70 steering system



## 1. Steering Wheel

Steering wheel equipped with three spokes and airbag, and the E1 class model is equipped with A/V system and Bluetooth control buttons.



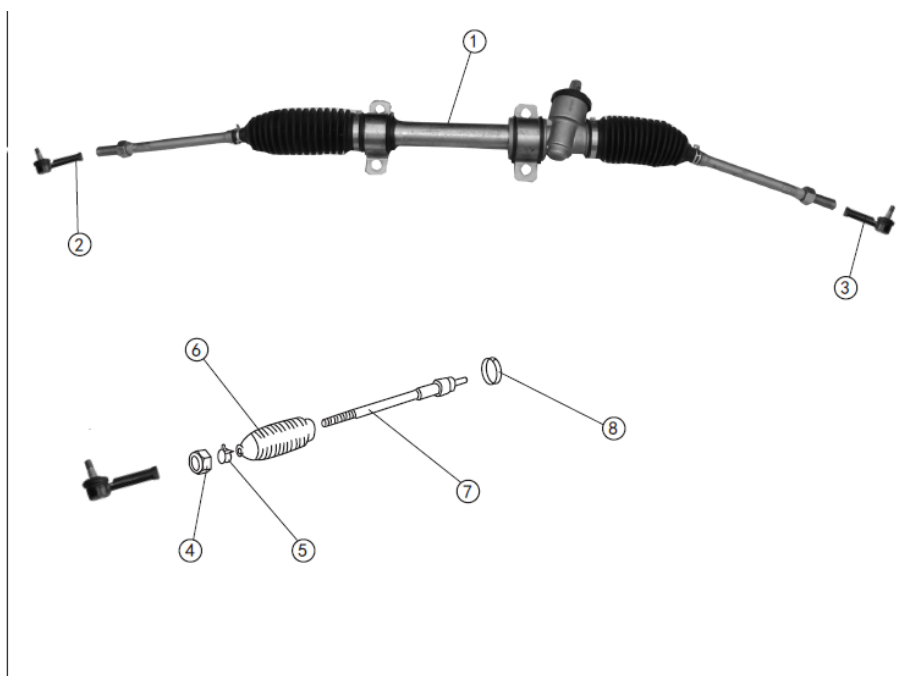
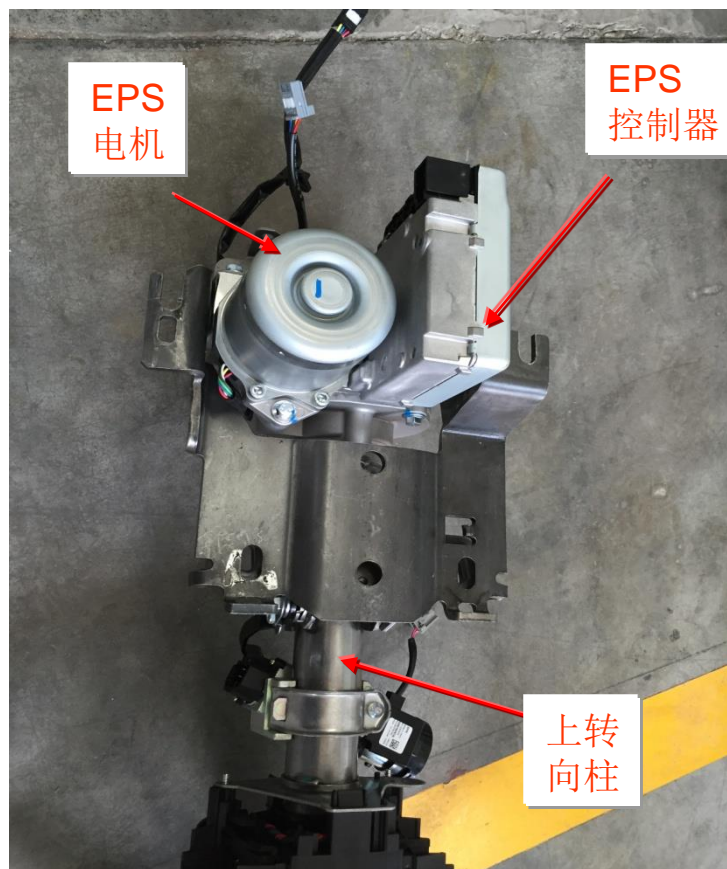
# 一、E70转向系统的结构特点



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## 2、转向器及转向助力型式

采用齿轮齿条式转向器，带转向柱电动助力。



1. 转向器总成	4. 螺母	7. 横拉杆内球销
2. 横拉杆外球销（左）	5. 卡箍	8. 卡箍
3. 横拉杆外球销（右）	6. 转向器防尘套	

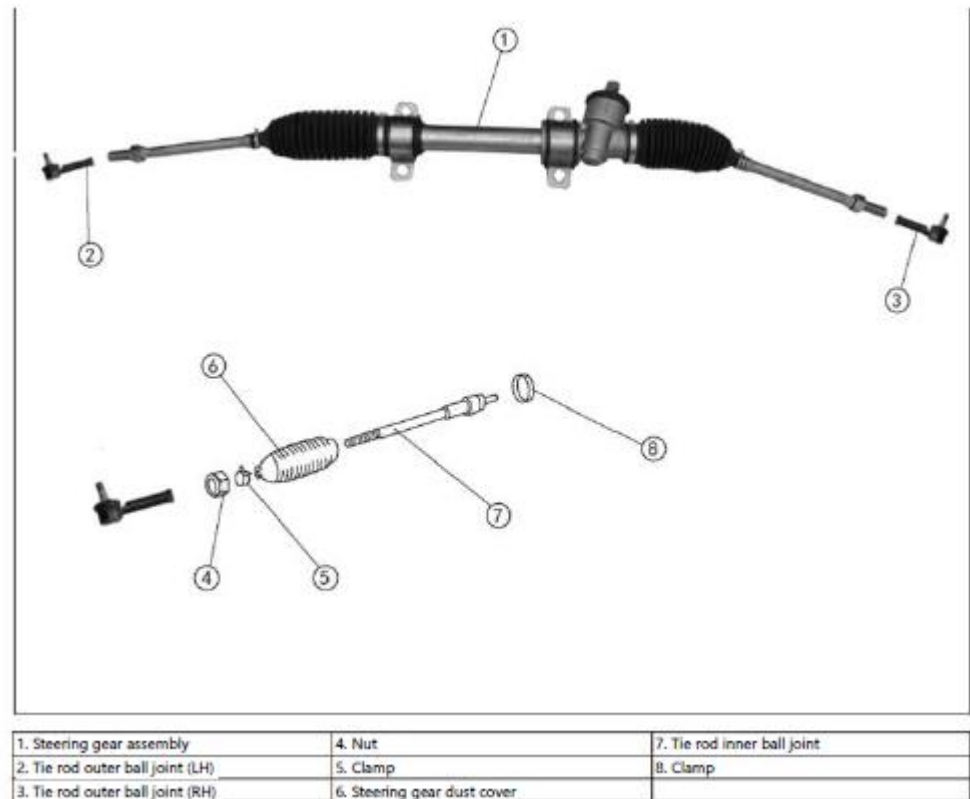
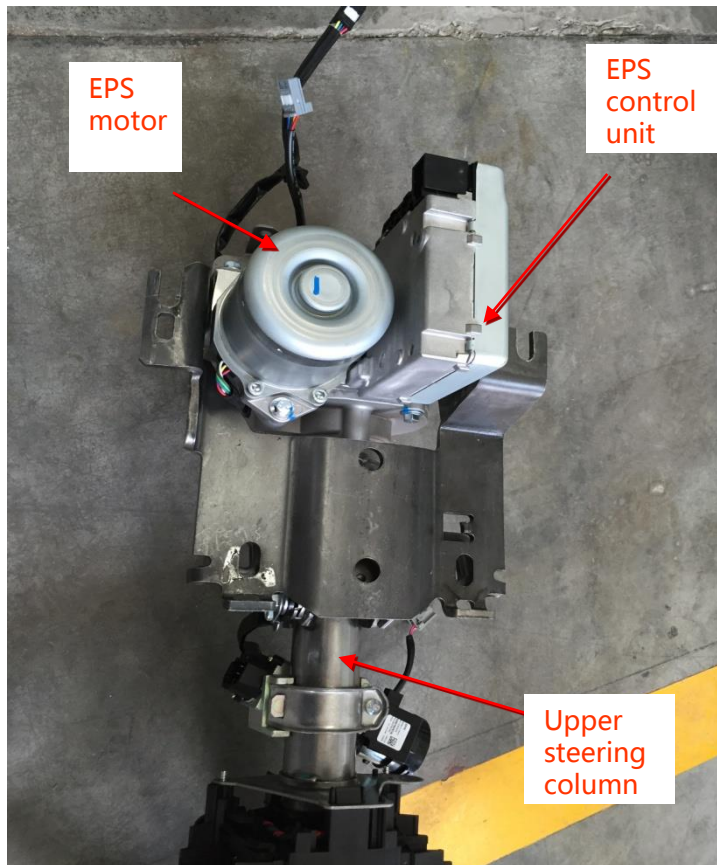


# I. Structural characteristics of E70 steering system



## 2. Type of steering gear and steering booster

Pinion-and-rack type mechanical steering gear with steering column electric booster.





## 二、维修注意事项



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- 维修安全气囊系统前应先将起动开关转到OFF 位置，脱开蓄电池负极电缆。并至少等待3 分钟。因为脱开蓄电池负极电缆后约3 分钟内，安全气囊和安全带预张紧器仍有可能展开。因此，3 分钟内不得进行任何有关安全气囊系统接头或电路的工作。
- 小心操作安全气囊。一定要使驾驶员安全气囊的垫面向上放置。
- 请勿重复使用不可重复使用的零件。(方向盘锁紧螺母、球头锁止销、防尘罩固定卡箍)
- 在转向系统维修完成后，使车辆接地并空载，进行最终拧紧，然后检查车轮定位。

## II. Precautions for Service



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- Before servicing the airbag system, turn the starting switch to the OFF position, and disconnect the battery negative cable. and wait at least 3 min. That is because, within about 3 min after battery positive and negative cables are disconnected, the airbag and seat belt pretensioner may still deploy. Therefore, no work related with airbag system connector or circuit should be performed within 3 min.
- Be careful when operating the airbag. Place the driver's airbag always with the padded surface upward.
- Do not use non-reusable parts repeatedly. (steering wheel lock nut, ball lock pin, dust cover fixing clamp)
- After completion of steering system servicing, make 4 wheels of the vehicle contact the ground in no-load condition, conduct final tightening and then check wheel alignment.



对E70的转向系统结构进行认知，必要时进行拆装



Cognize the E70 steering system structure, and remove and refit it if necessary.