



东风乘用车

安全气囊及座椅安全带



东风乘用车

Airbag & Seat Belt



- 1、熟悉E70安全气囊及座椅安全带组成及各部件的功用
- 2、熟悉E70安全气囊及座椅安全带的工作原理
- 3、能对E70安全气囊及座椅安全带进行电路的故障诊断与排除
- 4、掌握E70安全气囊及座椅安全带相关部件的拆装更换方法及注意事项



1. Familiar with the composition of E70 airbag & seat belt and functions of their components
2. Familiar with the working principle of the E70 airbag & seat belt
3. Troubleshoot the E70 airbag & seat belt
4. Master the removal and refitting and replacement methods and precautions of the related components of the E70 airbag & seat belt

一、E70安全气囊及座椅安全带概述



E70电动车配备主副驾正面安全气囊及主副驾预紧式（主驾双预紧）安全带



前排副驾驶安全带未系提醒



I. Overview of airbag & seat belt

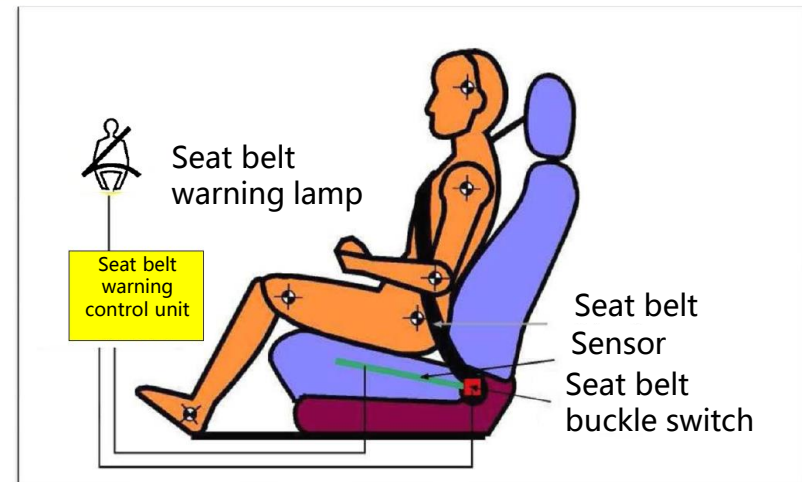


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E70 electric vehicle is equipped with the driver's and the front passenger's frontal airbags and the driver's and the front passenger's pre-tightening seat belts (double pre-tightening).



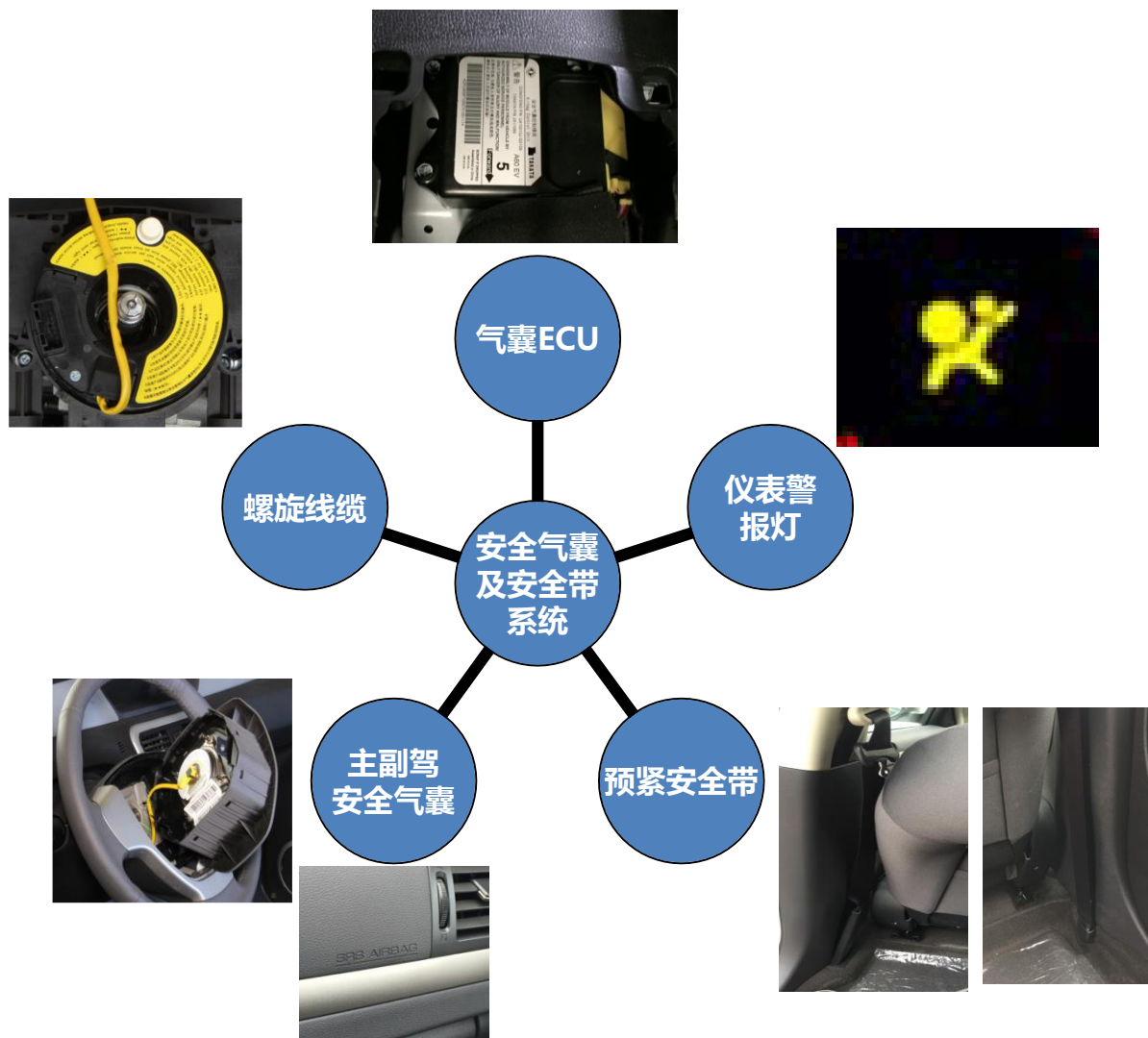
Front passenger's seat belt unfastened reminder





一、E70安全气囊及座椅安全带概述

E70安全气囊及座椅安全带系统组成

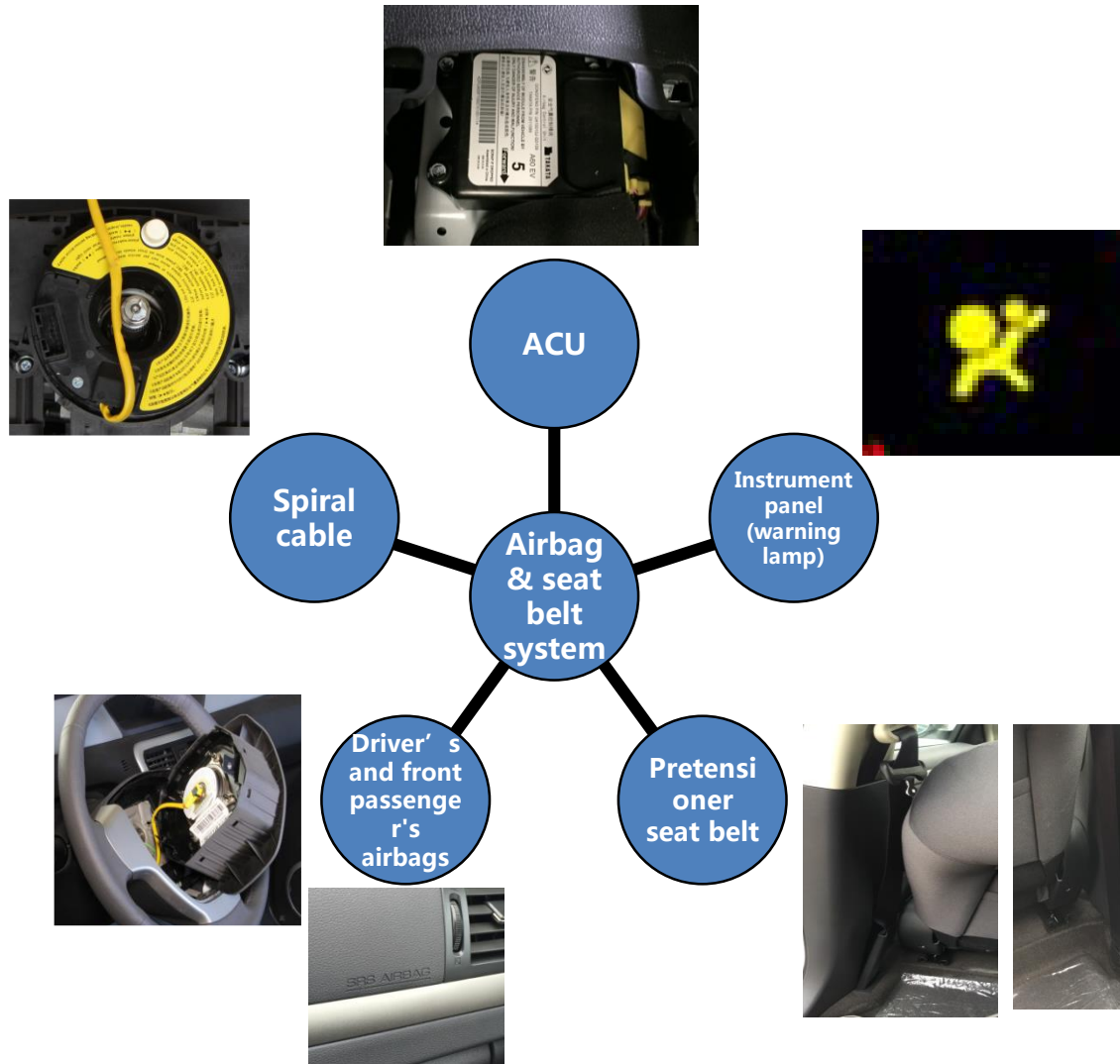


I. Overview of airbag & seat belt



东风乘用车

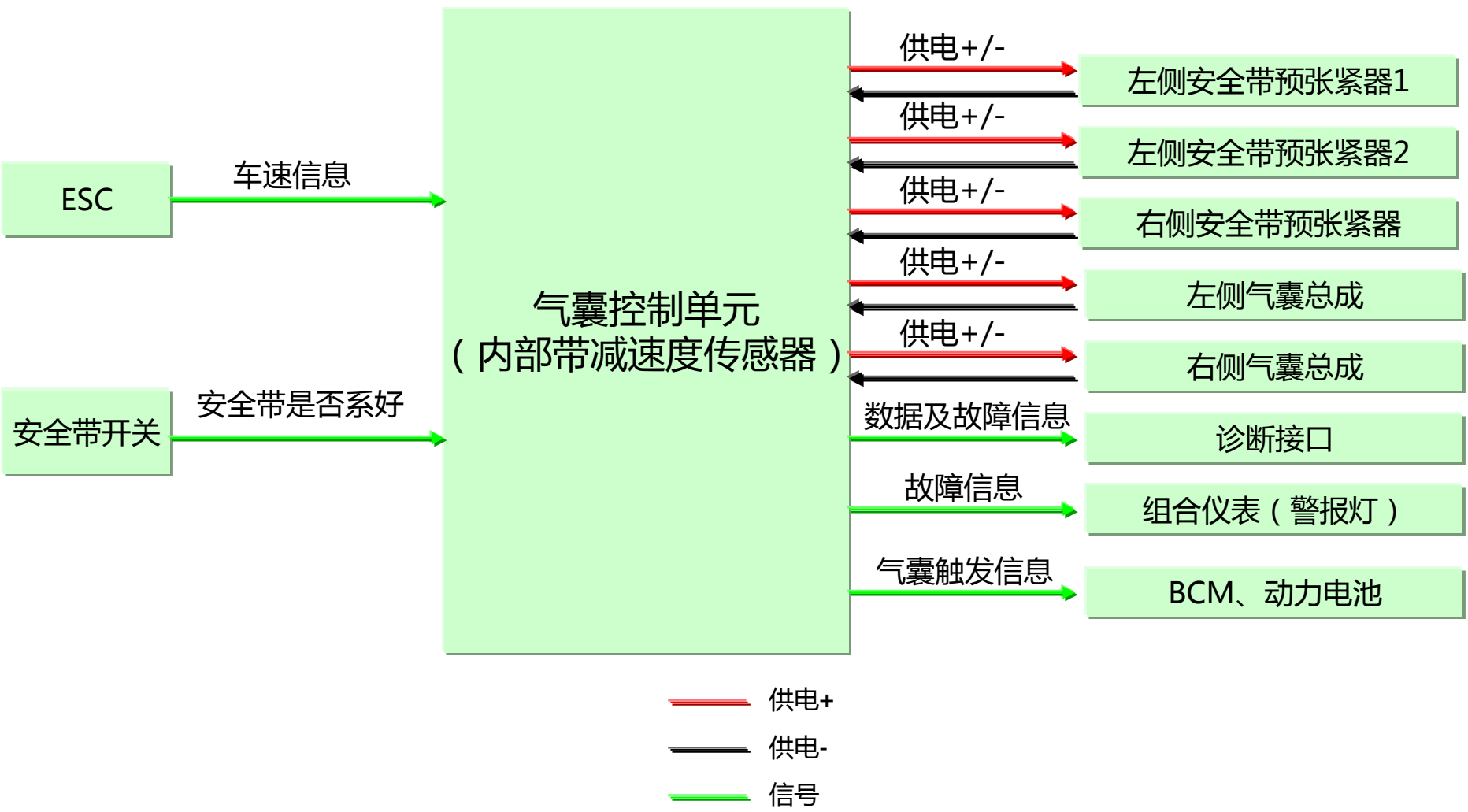
Composition of E70 airbag & seat belt system



二、E70安全气囊及座椅安全带工作原理及电路图



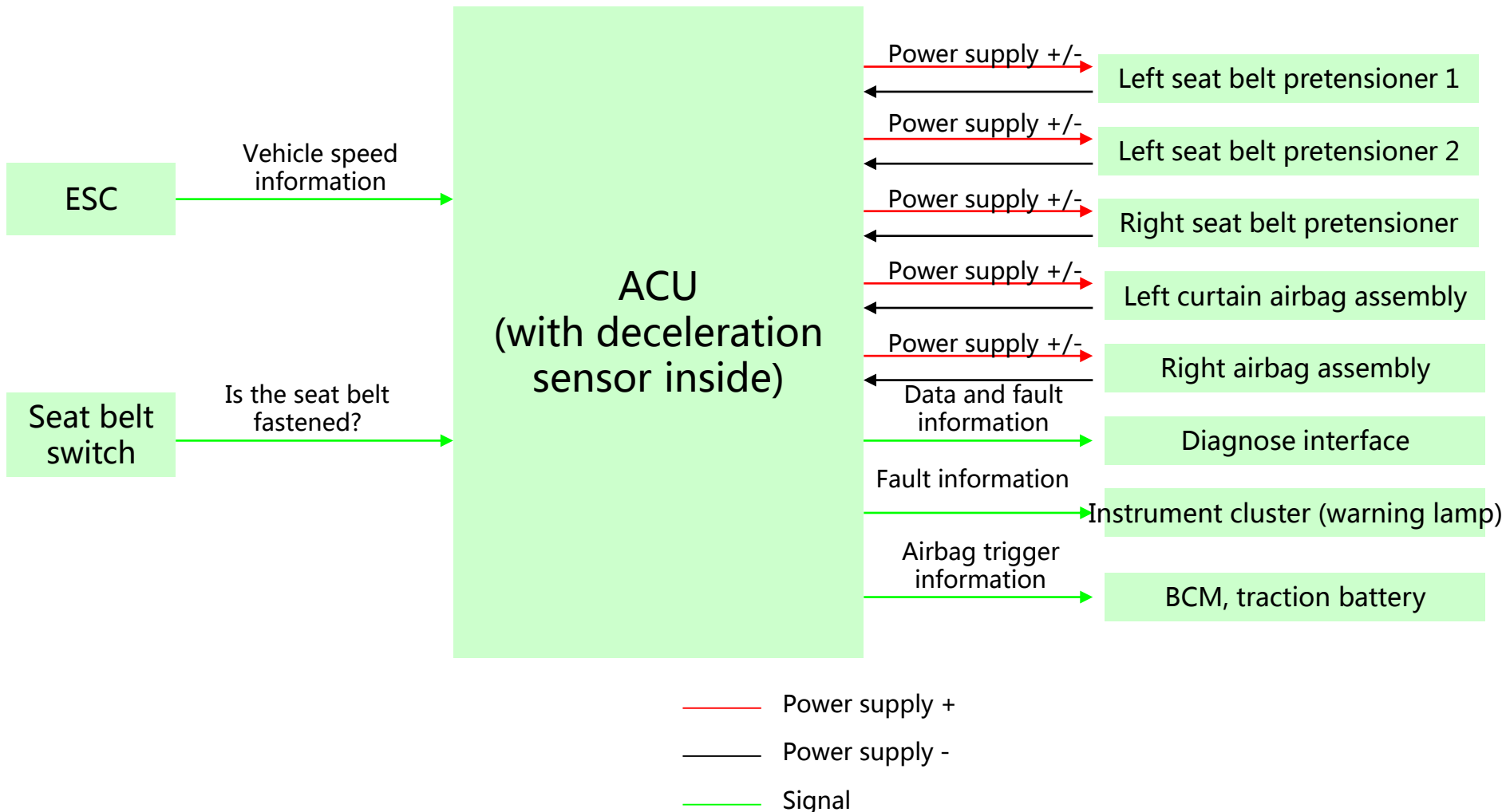
安全气囊及座椅安全带基本原理及电路图分析



II. Working principle and circuit diagram of E70 airbag & seat belt



Analysis of basic principle and circuit diagram of E70 airbag & seat belt





安全气囊

- 请勿用除专用诊断仪外的电气测试设备检查安全气囊系统电路。
- 维修安全气囊系统前应先将起动开关置于OFF 位置，脱开蓄电池负极电缆，并等待至少3 分钟。因为脱开蓄电池负极电缆后的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电路的操作。
- 小心操作安全气囊。一定要使驾驶员安全气囊的正面^①向上放置。
- 更换任何部件后，都应进行自诊断操作，全面检查安全气囊系统的功能是否正常。

III. Precautions for service of E70 airbag & seat belt



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Airbag

- Do not check the airbag system circuit with electrical test equipment other than a dedicated scan tool.
- Before servicing the airbag system, turn the start switch to the OFF position, disconnect the battery negative cable, and wait at least 3 min. That is because, within 3 min after battery negative cables are disconnected, the airbag and seat belt pretensioner may still deploy. Therefore, no work related with airbag circuit should be performed within 3 min.
- Be careful when operating the airbag. Place the driver's airbag always with the frontal surface upward.
- It is required to do self-diagnosis after any replacement, so as to comprehensively check if the airbag system functions well.



座椅安全带

- 在拆下座椅安全带预张紧器总成之前，应先关闭起动开关，脱开蓄电池电缆，并等待至少三分钟。
- 请勿使用电器测试设备对前座椅安全带预张紧器进行检查。
- 请勿使用分解的扣环或座椅安全带总成。
- 如果固定螺栓变形或磨损，请更换。
- 请勿润滑压舌和扣环。
- 如果座椅安全带总成的任何零件有问题，不要进行修理。直接更换整个座椅安全带总成。
- 如果安全带断裂、磨损或损坏，更换安全带总成。
- 当更换安全带总成时，使用原装的东风风神座椅安全带总成。

III. Precautions for service of E70 airbag & seat belt



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Seat Belt

- Before removing the seat belt pretensioner assembly, **turn off the ignition switch, disconnect battery cables, and wait for at least 3 min.**
- Do not use any electric testing equipment to check front seat belt pretensioner.
- Do not use the disassembled buckle or seat belt assembly.
- Replace the fixing bolt if it is deformed or worn.
- Do not lubricate the latch plate and buckle.
- **Replace the entire seat belt assembly directly rather than repair it if any part of it is faulty.**
- **Replace the seat belt assembly if the seat belt is broken, worn or damaged.**
- Replace with original Dongfeng seat belt assembly.

三、E70安全气囊及座椅安全带维修注意事项



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- 在发生任何撞击后，应检查所有座椅安全带总成，包括卷收器和其他金属零件
- 若安全带在轻微碰撞后没有损坏且功能正常，本公司**建议更换所有碰撞中使用过的安全带总成**。否则可能会造成严重的人身伤害。
- 如果发现**碰撞中未使用的安全带损坏或功能异常**，也要更换安全带总成。
- **如发生导致气囊展开的正面碰撞**，即便没有使用安全带，也应更换全带预张紧器。
- 如果发生下列情况，请更换安全带总成(包括系紧螺栓)：
 - 发生撞击时正在使用座椅安全带(撞击非常轻微并且座椅安全带、卷收器和扣环都没有出现损坏并且功能正常的情况除外)。
 - 在事故中座椅安全带损坏。(即安全带破损，卷收器或导向器弯曲)。
 - 在事故中座椅安全带固定点损坏。安装新的安全带总成之前，应先检查座椅安全带固定区域是否损坏或变型，必要时进行维修。
 - 固定螺栓变形或磨损。
 - 如发生碰撞导致气囊展开，即便没有使用安全带，也应更换前座椅安全带预张紧器。

III. Precautions for service of E70 airbag & seat belt



东风乘用车

- After any collision, check all seat belt assemblies, including the retractors and other metal
- If the seat belt is intact and works well after a slight collision, **it is recommended to replace the seat belt assemblies used when the collision happens.** Or, serious personal injury may be caused.
- The belt **which is not used when a collision occurs shall also be replaced once it is damaged or can not work normally.**
- **If a front collision resulting in airbag deployment happens, the seat belt pretensioner shall be replaced, even if the seat belt is not used in this collision.**
- In following cases, please replace the seat belt assembly (including anchor bolts):
 - The seat belt is being used when the collision happens (except that the collision is very slight, and the seat belt, retractor and buckle can well, not to mention any damage).
 - The seat belt is damaged during the accident. (That is to say, the belt is damaged, and the retractor or guider is bent.)
 - The seat belt anchorage is damaged during the accident. Before installing a new seat belt assembly, check the seat belt anchorage for damage or deformation, and repair it when necessary.
 - Any fixing bolt is deformed or worn.
 - If a collision resulting in airbag deployment happens, the front seat belt pretensioner shall be replaced, even if the seat belt is not used.