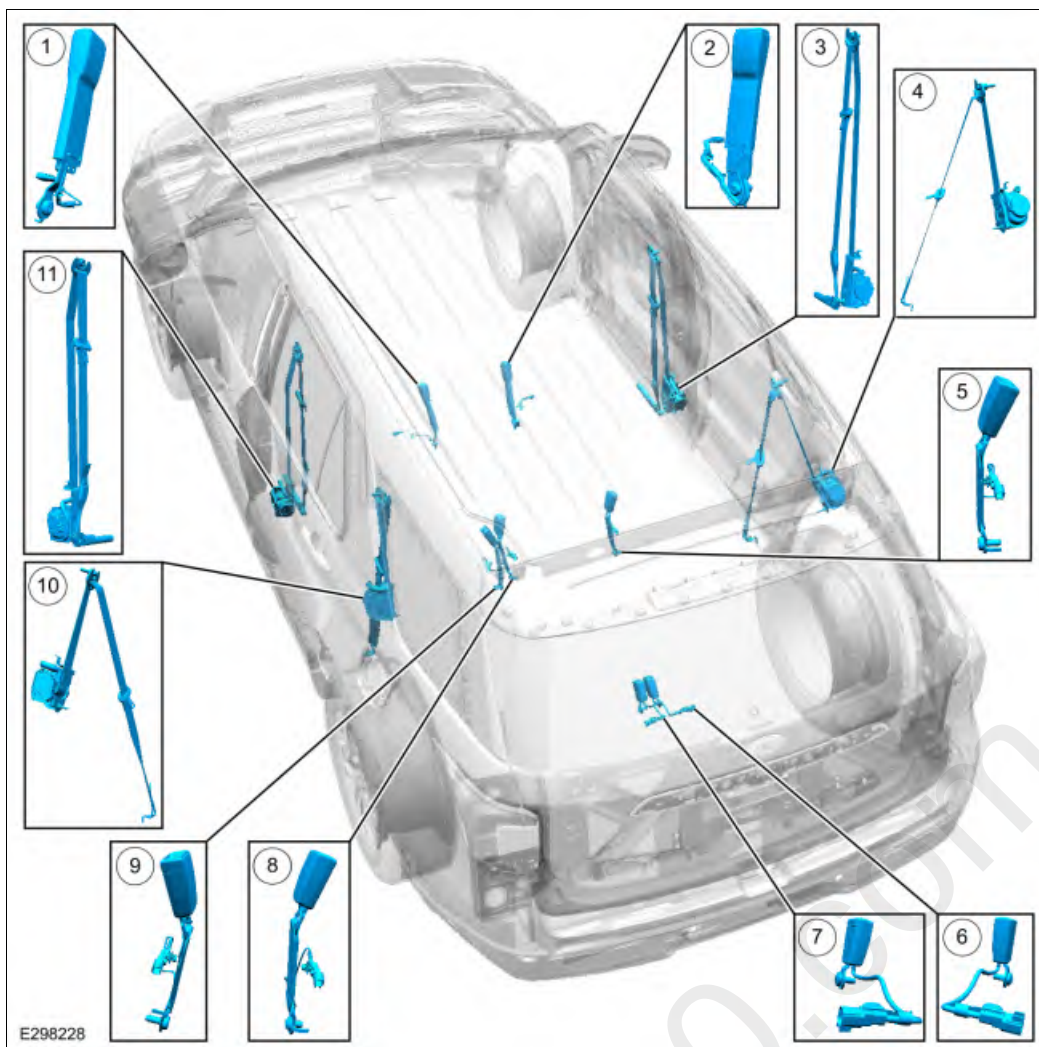




Item	Description
1	Driver seatbelt buckle (includes buckle sensor)
2	Front passenger seatbelt buckle (includes buckle sensor and Belt Tension Sensor (BTS))
3	Front passenger seatbelt retractor (includes retractor pretensioner, retractor load limiter and anchor pretensioner)
4	Second row passenger side outer seatbelt retractor (includes retractor pretensioner)
5	Second row passenger side outer seatbelt buckle (includes seatbelt buckle switch)
6	Third row passenger side seatbelt buckle (includes seatbelt buckle switch)
7	Third row driver side seatbelt buckle (includes seatbelt buckle switch)
8	Second row center seatbelt buckle (if equipped) (includes seatbelt buckle switch)
9	Second row driver side outer seatbelt buckle (includes seatbelt buckle switch)
10	Second row driver side outer seatbelt retractor (includes retractor pretensioner)
11	Driver seatbelt retractor (includes retractor pretensioner)

Airbag and Seatbelt Pretensioner Supplemental Restraint System (SRS) - Overview

Overview

The RCM continually receives and monitors inputs from the OCSM and various other hard-wired switches and sensors. If the RCM detects a sudden vehicle deceleration and/or lateral deceleration based on the information received from the various sensors and determines that deployment is necessary, it applies voltage and current to deploy the appropriate SRS components.

The SRS utilizes Connector Position Assurance (CPA) tabs on deployable component connectors. The tabs disengage the shorting bars of the deployable component from its electrical pins and keeps the harness connector securely attached to the deployable component.

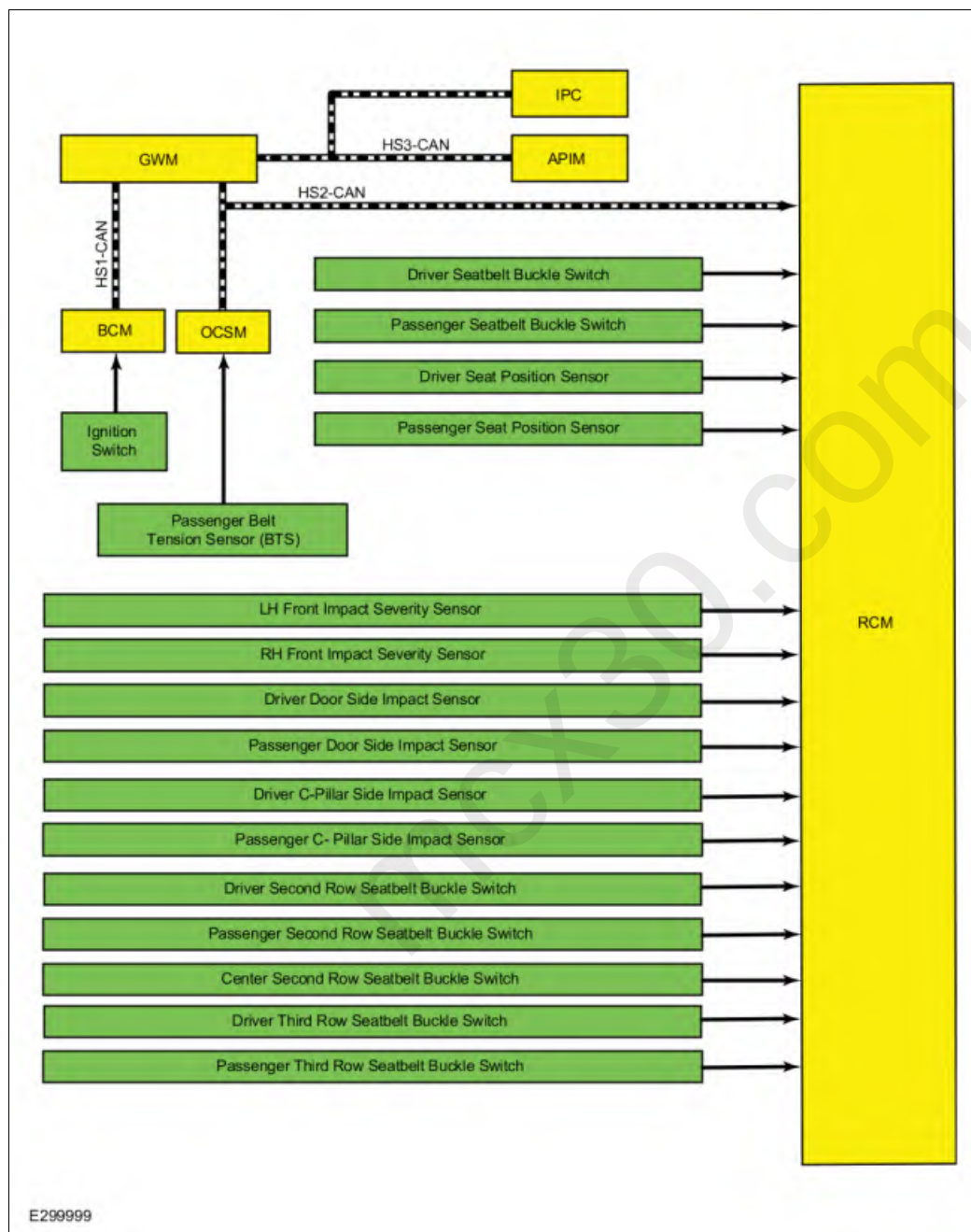
If the connector is attached to the deployable component yet the tab is not fully seated, the pins of the connector still make contact with the deployable component pins. However, because the tab is not fully seated and the shorting bars are still applied to the deployable component pins, the RCM detects a fault (circuit resistance below threshold) during self-diagnostics when the vehicle is powered on (airbag warning indicator is illuminated).

mcx30.com

Airbag and Seatbelt Pretensioner Supplemental Restraint System (SRS) - System Operation and Component Description

System Operation

System Diagram - Supplemental Restraint System (SRS)



Item	Description
1	RCM
2	Ignition Switch
3	GWM
4	Driver Seatbelt Buckle Switch
5	Passenger Seatbelt Buckle Switch
6	RHFront Impact Severity Sensor