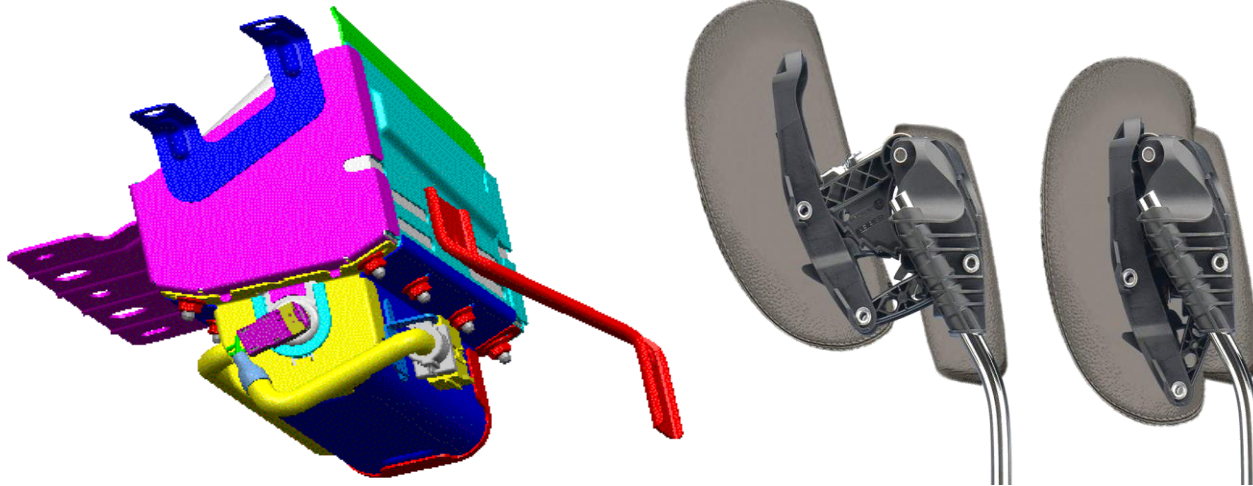


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SRS



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SRS AIRBAG (AB9 Delphi-BOSCH)



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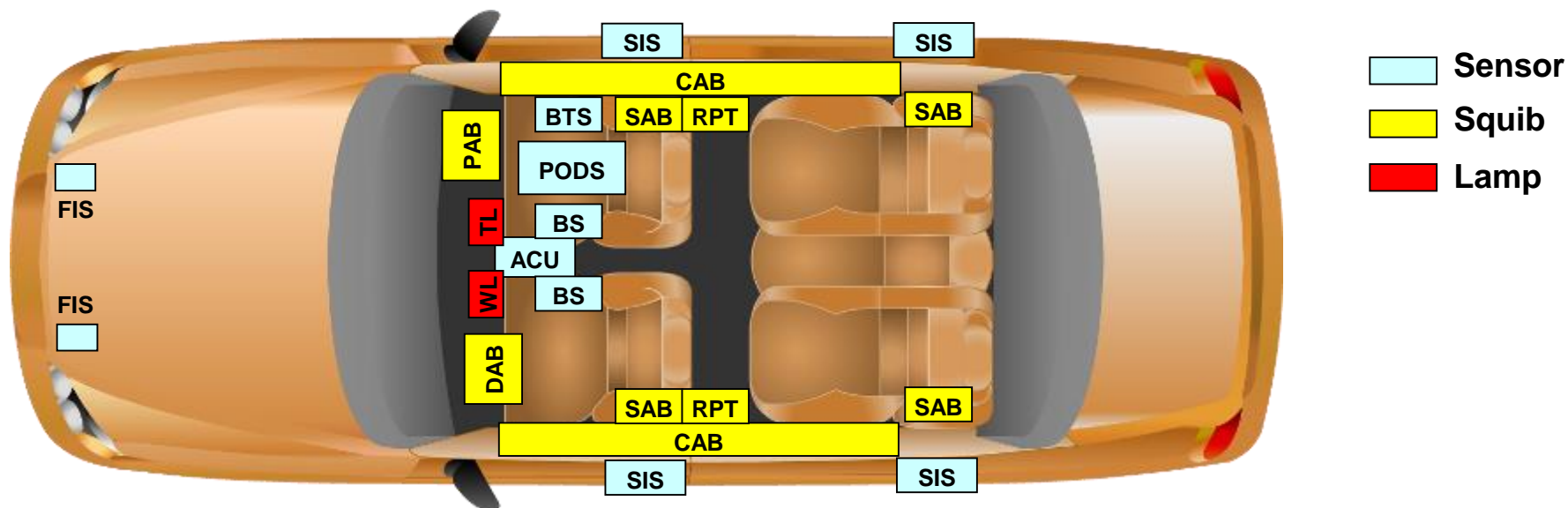
Application

Option		General	M/East	USA/CAN
Driver	SMART	S	S	-
	Advanced	-	-	S
Passenger	SMART	S	S	-
	Advanced	-	-	S
Curtain airbag		S	S	O
SAB	FF	S	S	S
	FR	O	O	O

O : Option

S : Standard

System Components



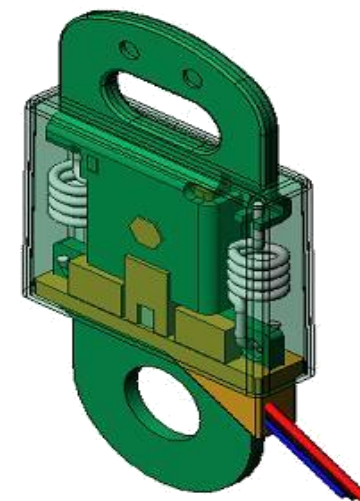
Part	DAB	PAB	ACU	FIS	PODS	BTS	SIS	CAB	SAB	BS	PT	TL
Description	Driver Air Bag	Passenger Air Bag	Airbag Control Unit	Frontal Impact Sensor	Passive Occupant Detection Sensor	Belt Tension Sensor	Side Impact Sensor	Curtain Air Bag	Side Air Bag	Buckle Switch	Retractor Pre-tensioner	Telltale Lamp
Quantity	1	1	1	2	1	1	4	2	2 or 4	2	4	1
No. of Squib	2	2	-	-	-	-	-	2	4	-	2	-
Remark	Dual Stage	Dual Stage	Max. 12 Loops		Advance Only	Advance Only				Advance Only		Advance Only

Changed item - Belt Tension Sensor (Advanced only)



- Size of BTS slot
 - 20 × 10 mm Slot
- Operation range
 - 5 ~ 25 lbs (2.27 ~ 11.35kg)

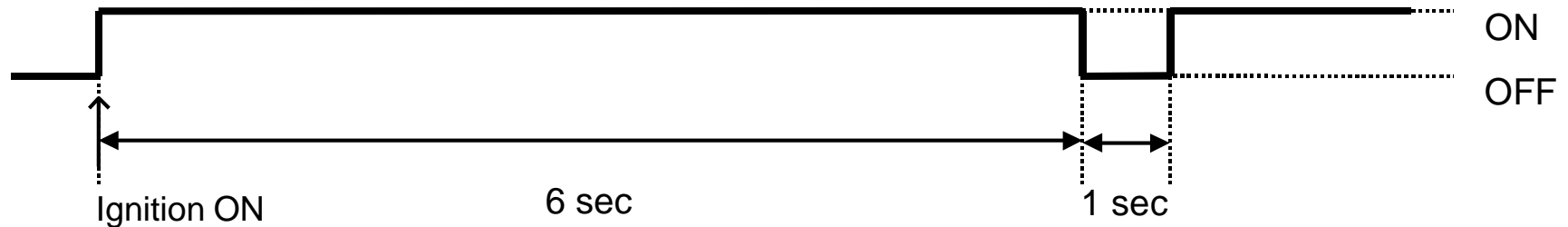
Load(N)	Voltage	Max, Min
0	1.0V	1.25, 0.9V
5	1.11V	1.36, 0.9V
15	1.33V	1.58, 1.08V
130	3.86V	4.1, 3.61V
133	3.926V	4.1, 3.68V
140	3.95V	4.1, 3.80V
150	3.96V	4.1, 3.81V



Airbag Warning Lamp on/off Logic

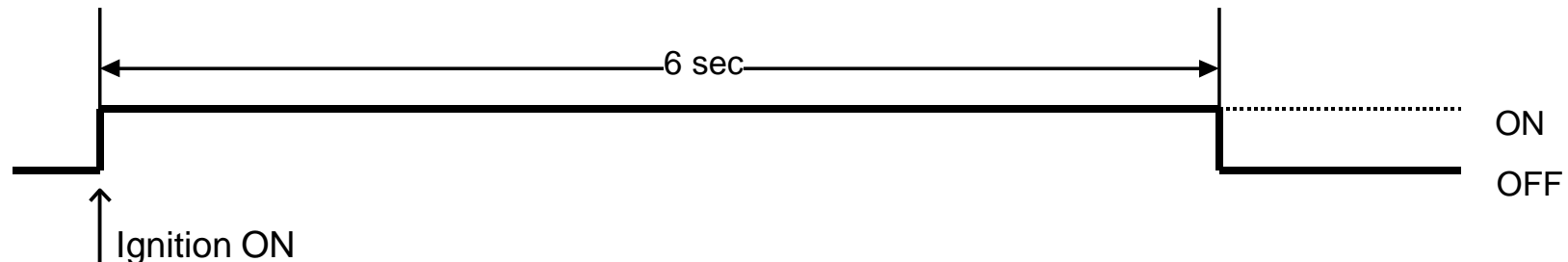
Case 1)

The warning lamp continuously turns on for 6 seconds after ignition on and off for 1 second and turn on continuously. when the active fault(s) is(are) qualified (crash entry is also one of the active faults that is not erasable) or historic fault conditions (maximum storage number of external faults are reached)



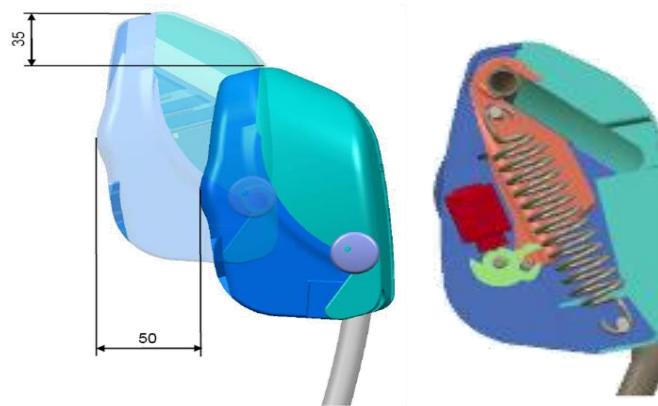
Case 2)

Normal and history external fault(s) is stored in its non-volatile memory



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Electrical Active Head Rest



※ Application

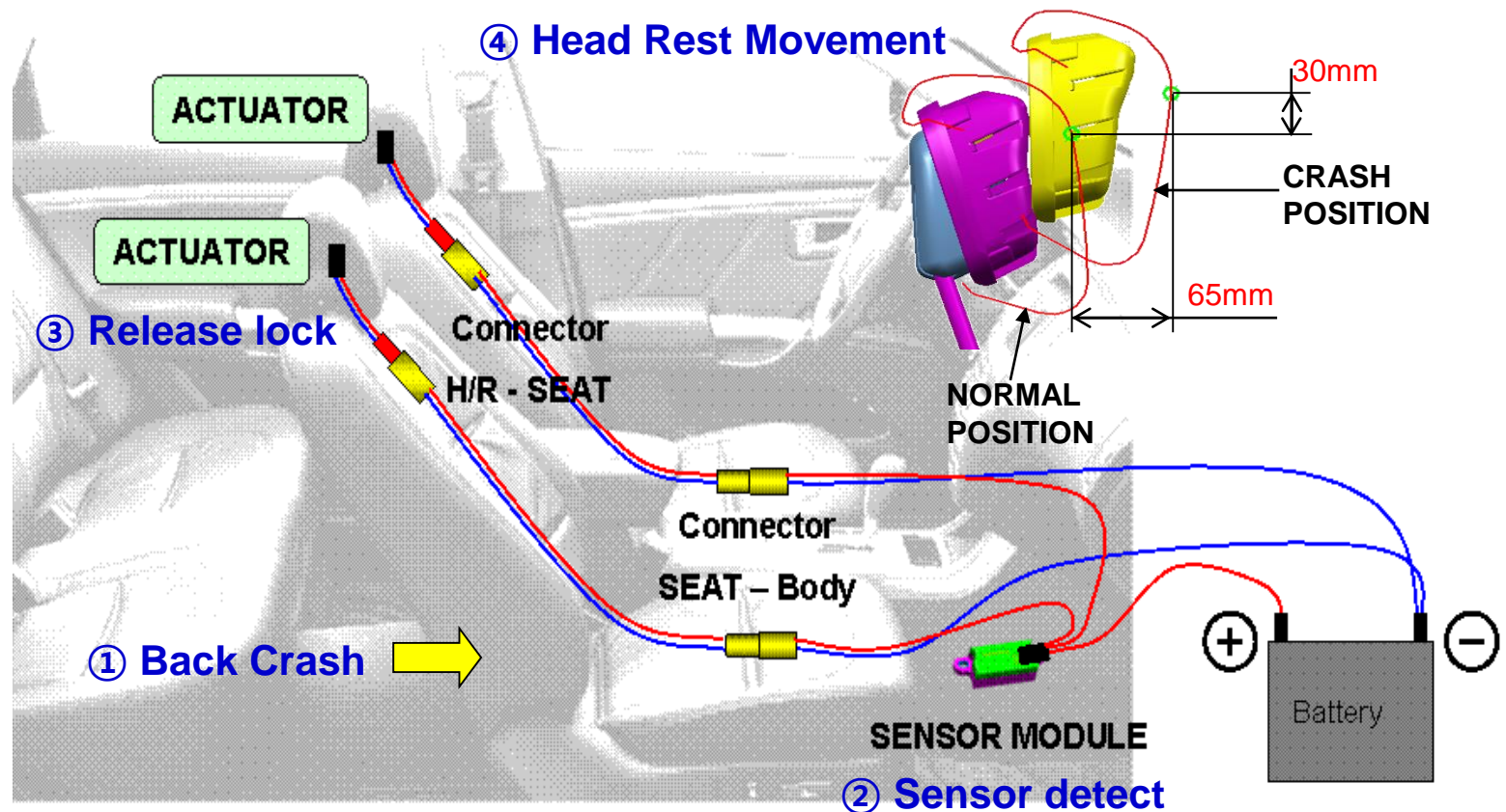
General	M/East	USA/CAN
Standard	Standard	Option

Electrical Active Head Rest

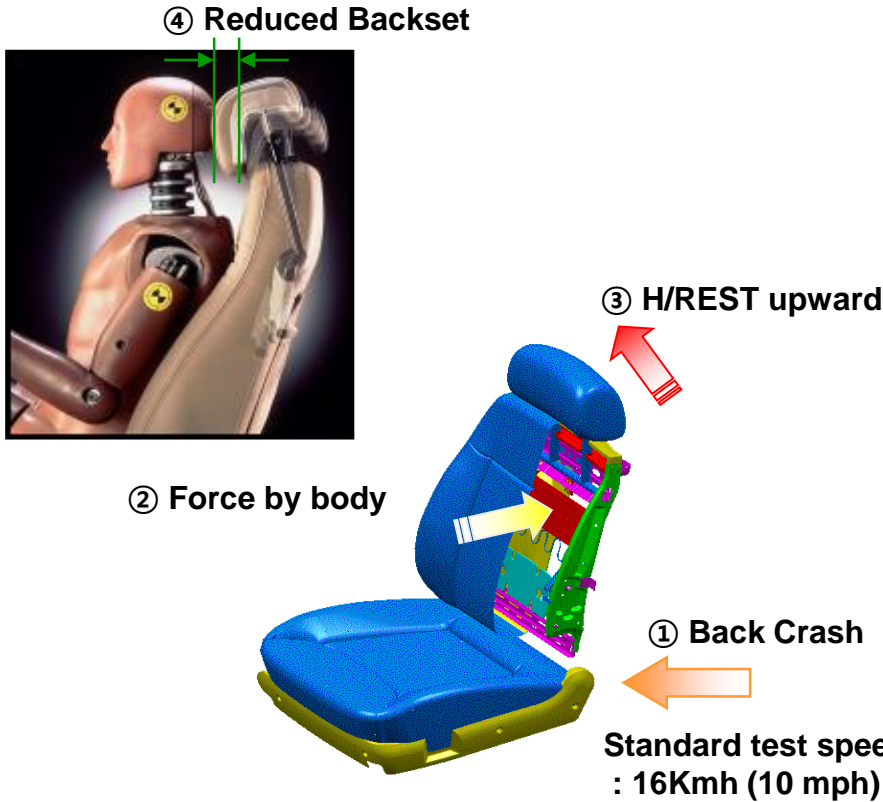
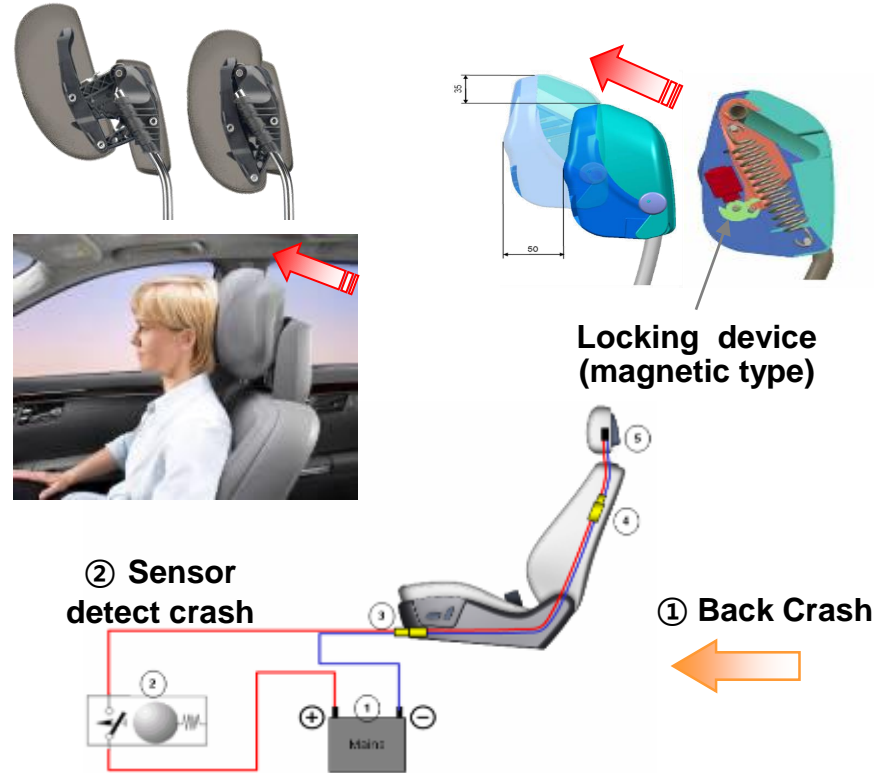
Concept

It is for reducing injury of neck from back crash. Sensor detect to crash from behind and then head rest move to forward (65mm) and upward (30mm).

Const- ruction



Comparison (Mechanical / Electrical)

Mechanical type	Electrical type
<p>① Back Crash → ② Force by body</p> <p>③ H/Rest upward → ④ Reduced Backset → Protect neck</p>  <p>④ Reduced Backset</p> <p>③ H/REST upward</p> <p>② Force by body</p> <p>① Back Crash</p> <p>Standard test speed : 16Kmh (10 mph)</p>	<p>Back Crash → Sensor detect crash →</p> <p>Working actuator → LOCK-OFF (in H/R)</p> <p>Projected active H/R (upward/forward) → Protect neck</p>  <p>Locking device (magnetic type)</p> <p>② Sensor detect crash</p> <p>① Back Crash</p>

Reversible procedure after active H/Rest fire



1. Before firing condition of ACTIVE H/REST



2. After firing condition of ACTIVE H/REST



3. Turn over H/REST



4. Push the crash handle into cover by finger.



5. Push the cover



6. Push until no gap



7. Give force to arrow direction.



8. Arrangement

Release trigger lock condition



※ Locking Condition

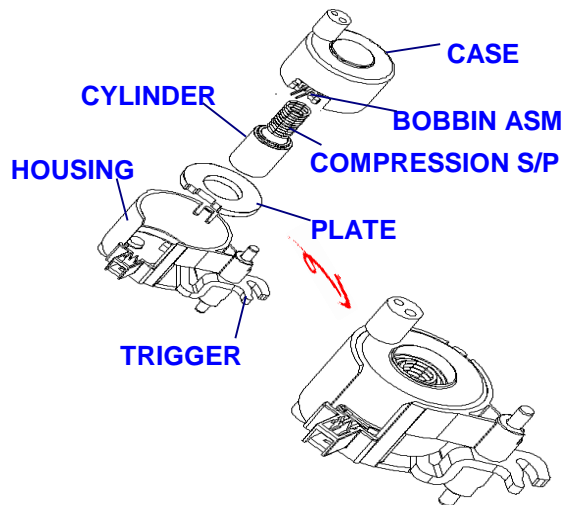


※ Unlocking Condition

If trigger is locked, head rest can't reversible assembly

※ Usually trigger is unlocking condition.

※ After firing head rest, If trigger is locked by impact or forced, it is impossible to return unlocking condition by hands.



In order to return unlocking condition, connect 12V to “A” parts and push by hands