



AIRBAG WARNING LAMP ILLUMINATED

MODEL

I01 (i3)

SITUATION

The airbag warning lamp in the instrument cluster lights up while the vehicle is in motion. The airbag control unit (ACSM4) contains the following fault(s):

- 930904 - Drivers airbag interval stage 1, resistance too high
- 93090A - Drivers airbag interval stage 2, resistance too high

CAUSE

Tension caused by harness cable tie on short jumper harness located between steering column slip ring and driver's airbag creates excess resistance.

CORRECTION

Change tension on harness **OR** replace driver's airbag module

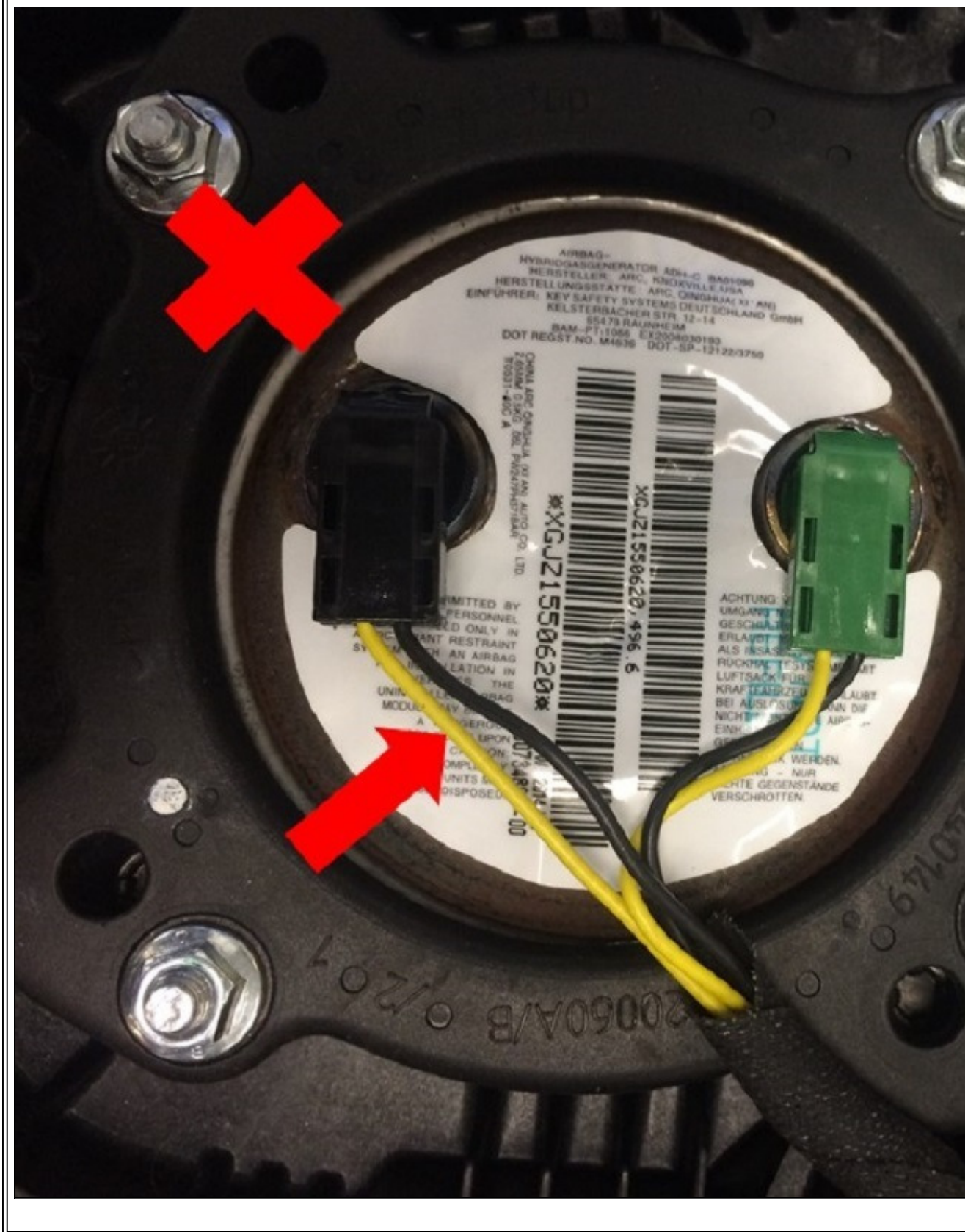
PROCEDURE

Run vehicle test and follow test plan for stored ACSM4 faults

Check the plug connection of the steering column switch cluster (SZL). Disconnect the plug connection (yellow plug-in contact), reconnect it and check that it has securely latched into place.

Check for tension and tension-free routing of the wiring harness between driver airbag module and the steering column switch cluster (SZL).





Check resistance thru the clock spring assembly while turning the steering wheel lock to lock. If the resistance exceeds specification while turning the wheel (spec is 2.5 to 5.6 ohms) then the clock

spring assembly should be replaced.



Note: The short harness that connects directly to the driver's airbag "must" never be disconnected on the back of the ignitor assembly. If these two connectors are opened, then entire "airbag with jumper harness" has to be replaced.

Make all testing at the single inline connector away from the airbag ignitor.

If the harness is ok and not too tightly ran, and the clock spring checked out ok, then clear the fault code entry and test the system.

Once airbag system work is complete, start vehicle, turn steering wheel lock to lock multiple times and make sure the SRS lamp does not return.

- If SRS lamp is no longer illuminated the vehicle can be released.
- If SRS lamp illuminates again, check harness from ACSM to the airbag connector. If harness checks out ok, then the driver front airbag should be replaced. After replacement clear fault memory.

PARTS INFORMATION

Part Number	Description	Quantity
32 30 6 870 366	Airbag Module, Driver's side (Lodge interior P7KYA or Loft interior P7KXA)	
1		
32 30 6 870 364	Airbag Module, Driver's side (Suite interior P7KZA)	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	61 11 14 79 00	Cockpit wire harness - re-routing work required only
	Or:	
	32 34 01 14 00	Airbag unit, steering wheel (Replaced per the procedure)
Labor Operation:	Labor Allowance:	Description:

00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		
61 25 910	Refer to KSD2	Recharging high-voltage battery unit (to high voltage charging unit)
And, as needed		
32 34 000	Work time (WT)	Troubleshooting airbag system and re-routing wire harness as necessary
And, if required as outlined in the procedure		
32 34 519	Refer to KSD2	Replacing airbag unit (with job number 32 34 000)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 32 34 000 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

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