

## AIRBAG FAULT CODES

# Airbag (SRS) Fault Code Lists

**\*\*\*\*\* BEFORE STARTING TO WORK ON THE SRS SYSTEM \*\*\*\*\*  
DISCONNECT THE BATTERY**

<b>U1 (SRS 1 1988-91)</b>	
<b>CODE</b>	<b>DESCRIPTION OF MALFUNCTION</b>
1	<b>AIRBAG IGNITION CAPACITOR DEFECT.</b> - Please replace the Ignition Capacitor. The airbag system will not function if this is not corrected.
2	<b>DIAGNOSTIC UNIT MALFUNCTION</b> - Examine all faults and delete them from the fault memory. If this fault recurs you must replace the SRS Control Unit.
3	<b>AIRBAG SUPPLY WIRE- DRIVERS SIDE</b> -Resistance Too High - Please check the wire resistance. If necessary replace the cable set.
4	<b>AIRBAG SUPPLY WIRE - DRIVER SIDE - POWER SUPPLY DEFECT</b> - Please check the wire resistance. If necessary replace the cable set.
5	<b>SEAT BELT TENSIONER SUPPLY WIRE RESISTANCE TOO HIGH</b> - Please check the wire resistance. If necessary replace the cable set.
6	<b>SEAT BELT TENSIONER SUPPLY WIRE - POWER SUPPLY DEFECT</b> - Check the sensor wire for breaks or shorts. Check the connectors for corrosion and breakage.
7	<b>CRASH SENSOR TRIGGERED - FRONT LEFT</b> - Check the sensor, wires and connections for breaks, shorts or defects Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis.
8	<b>CRASH SENSOR FAULT - FRONT LEFT</b> - Check the sensor, wires and connections for breaks, shorts or defects Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis. Replace the Crash Sensor if the fault recurs.
9	<b>CRASH SENSOR GROUND CONTACT FAULT - FRONT LEFT</b> - Check the sensor ground contact. Check the battery ground contacts. Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis. Replace the Crash Sensor if the fault recurs.
10	<b>CRASH SENSOR TRIGGERED - FRONT RIGHT</b> - Check the sensor, wires and connections for breaks, shorts or defects. Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis.
11	<b>CRASH SENSOR FAULT - FRONT RIGHT</b> - Check the sensor, wires and connections for breaks, shorts or defects. Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis. Replace the Crash Sensor if the fault recurs.

12	<b>CRASH SENSOR GROUND CONTACT FAULT - FRONT RIGHT</b> - Check the sensor ground contact. Check the battery ground contacts. Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis. Replace the Crash Sensor if the fault recurs.
13	<b>CRASH SENSOR SUPPLY RESISTANCE TOO HIGH - FRONT LEFT</b> - Check the sensor, wires and connections for breaks, shorts or defects. Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis.

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<b>U1 (SRS 1 1988-91)</b>	
CODE	DESCRIPTION OF MALFUNCTION
14	<b>CRASH SENSOR SUPPLY WIRE FAULT - FRONT LEFT</b> - Check the sensor, wires and connections for breaks, shorts or defects Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis.
15	<b>CRASH SENSOR SUPPLY RESISTANCE TOO HIGH - FRONT RIGHT</b> - Check the sensor, wires and connections for breaks, shorts or defects. Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis.
16	<b>CRASH SENSOR SUPPLY WIRE FAULT - FRONT LEFT</b> - Check the sensor, wires and connections for breaks, shorts or defects Delete faults in memory, drive vehicle over 15 mph, then rerun diagnosis.
17	<b>WARNING LAMP SHORT CIRCUIT</b> - A short-circuit exists in the instrument panel or in the supple wire from the control unit to the instrument panel. Please check whether the SRS warning light either lights up permanently or not at all.
18	<b>WARNING LAMP DEFECT</b> - Please check the airbag signal bulb in the instrument panel and replace it if necessary.
19	<b>CRASH DETECTION ACCUMULATOR ACTIVATED</b> - The detection accumulator is activated by the operation of the SRS system. * <b>ATTENTION! THIS ACCUMULATOR SHOULD ONLY BE DIAGNOSED AND RESET BY THE BMW DEALER.</b>
20	<b>SRS CONTROL UNIT DEFECT - DEALER REPLACEMENT ONLY</b> -Delete fault stored in memory. Operate vehicle for 5 minutes. If the fault re-occurs, the SRS Control Unit will need replacement.
21	<b>AIRBAG SUPPLY WIRE RESISTANCE TOO HIGH - PASSENGER SIDE</b> - Please check the wire resistance. If necessary replace the cable set.
22	<b>AIRBAG SUPPLY WIRE - DRIVER SIDE WIRE DEFECT</b> - Please check the wire resistance. If necessary replace the cable set.

## AIRBAG FAULT CODES

<b>U2 (SRS 2 1991-93)</b>	
CODE	DESCRIPTION OF MALFUNCTION
1	FRONT SENSOR TRIGGERED - ONE TIME
2	FRONT SENSOR TRIGGERED - MULTIPLE TIMES
5	FRONT SENSOR TRIGGERED - PERMANENT
13	TWO FIRING CIRCUITS ARE SHORT CIRCUITED
19	FRONT SENSOR SUPPLY VOLTAGE - LEFT FAULT
20	FRONT SENSOR SUPPLY VOLTAGE - RIGHT FAULT
27	PRIMARY AIRBAG FIRING CIRCUIT IS SHORTED TO + BATTERY -Check wiring for short.
33	PRIMARY AIRBAG FIRING CIRCUIT IS SHORTED GROUND -Check wiring for shorts or breaks.
42	AIRBAG IGNITION CIRCUIT - DRIVERS SIDE -Resistance too low
43	SEATBELT PRE-TENSIONING SYSTEM -PASSENGER AIRBAG - Resistance in circuit 2 is too low.
44	PASSENGER AIRBAG - Resistance in circuit 3 (or spare resistor) is too low.
45	AIRBAG IGNITION CIRCUIT - DRIVERS SIDE - Resistance in supply wire is too high
46	SEATBELT PRE-TENSIONING SYSTEM -PASSENGER AIRBAG - Resistance in circuit 2 is too high.
47	PASSENGER AIRBAG - Resistance in circuit 3 (for spare resistance) is too high.
49	SRS WARNING LAMP FAULTY
50	SRS CONTROL UNIT DEFECT - DEALER REPLACEMENT ONLY -Delete fault stored in memory. Operate vehicle for 5 minutes. If the fault re-occurs, the SRS Control Unit will need replacement.
52	CRASH ACCUMULATOR TRIGGERED - DEALER REPLACEMENT ONLY

## AIRBAG FAULT CODES

<b>U3 (SRS 3 1993-98)</b>	
<b>CODE</b>	<b>DESCRIPTION OF MALFUNCTION</b>
1	<b>SRS CONTROL UNIT DEFECT - DEALER REPLACEMENT ONLY</b> -Delete fault stored in memory. Operate vehicle for 5 minutes. If the fault recurs, the SRS Control Unit will need replacement. This code is also associated with low battery voltage.
2	<b>AIRBAG IGNITION CIRCUIT - DRIVERS SIDE - DEFECTIVE</b>
3	<b>SEATBELT PRE-TENSIONING SYSTEM FIRING CIRCUIT -DRIVER SIDE</b>
4	<b>SEATBELT PRE-TENSIONING SYSTEM FIRING CIRCUIT -PASSENGER SIDE</b>
5	<b>AIRBAG IGNITION CIRCUIT - PASSENGER SIDE - DEFECTIVE</b>
6-7	<b>SRS CONTROL UNIT INTERNAL DEFECT (See fault code 76-77.)</b>
12-16	<b>SRS CONTROL UNIT INTERNAL DEFECT (See fault code 76-77.)</b>
17	<b>POWER SUPPLY</b> -Check battery and charging system.
18	<b>SRS CONTROL UNIT INTERNAL DEFECT (See fault code 76-77.)</b>
19	<b>SRS WARNING LAMP FAULT</b>
20	<b>SEAT OCCUPANCY DETECTION CIRCUIT - PASSENGER SIDE</b>
21	<b>PRESSURE SENSOR - DRIVER SIDE</b>
22	<b>PRESSURE SENSOR - PASSENGER SIDE</b>
23	<b>SRS CONTROL UNIT INTERNAL DEFECT (See fault code 76-77.)</b>
24	<b>SEAT BELT LOCK - DRIVER SIDE</b>
25	<b>SEAT BELT LOCK - PASSENGER SIDE</b>
48-63	<b>SRS CONTROL UNIT INTERNAL DEFECT (See fault code 76-77.)</b>
65	<b>SRS CONTROL UNIT INTERNAL DEFECT (See fault code 76-77.)</b>
67-72	<b>SRS CONTROL UNIT INTERNAL DEFECT (See fault code 76-77.)</b>
73	<b>TWO FIRING CIRCUITS ARE SHORT CIRCUITED</b>
76-77	<b>SRS CONTROL UNIT INTERNAL DEFECT - DEALER REPLACEMENT ONLY</b> - Delete fault stored in memory. Operate vehicle for 5 minutes. If the fault re-occurs, the SRS Control Unit will need replacement. This code is also associated with low battery voltage.

### \*\*\*\* Special Notes Regarding SRS Systems on E24 and E30 Chassis

On some E24 and E30 model BMWs, the RxD and TxD lines from the SRS control unit are not integrated into the 20 pin diagnostic socket found under the hood. In order to diagnose and reset SRS lights on these vehicles, you must tap directly into the harness coming from the SRS control unit.

Chassis	Diagnostic Tool Plug Pin	SRS Control Unit Connector
<b>E24</b>	Pin #14 Battery (+)	Battery (+) Terminal
	Pin #15 (RxD)	Pin #6 (WT/YL)
	Pin #19 Ground	Good Vehicle Ground
	Pin #20 (TxD)	Pin #2 (WT/VI)
<b>E30</b>	Pin #14 Battery (+)	Battery (+) Terminal
	Pin #15 (RxD)	Pin #6 (WT/YL)
	Pin #19 Ground	Good Vehicle Ground
	Pin #20 (TxD)	Pin #2 (WT/VI)
<b>E30 1992 Convertible</b>	Pin #14 Battery (+)	Battery (+) Terminal
	Pin #15 (RxD)	Pin #6 (WT/BLK)
	Pin #19 Ground	Good Vehicle Ground
	Pin #20 (TxD)	Pin #7 (WT/VI)

If using SRS reset tool #6213, 6214 or 621300 substitute pin #16 for pin #20.

