

# Technical Service Bulletin



## 61 Convertible top inoperative

61 13 20 2029956/2 July 2, 2013. Supersedes Technical Service Bulletin Group 61 number 12-16 dated July 6, 2012 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4 Cabriolet	2003 - 2009	All	Not Applicable

## Condition

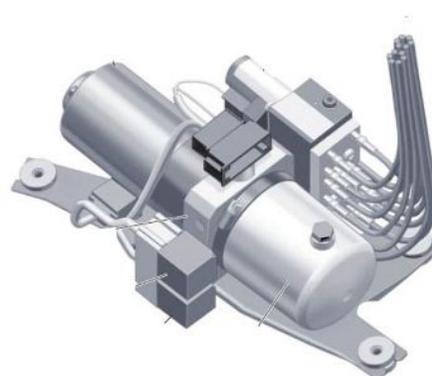
REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Warranty</i> (Corrected TUs)
1	7/6/2012	Initial publication

Convertible top is inoperative. The following conditions are present:

- All switches and sensors check OK.
- Convertible top movement ceases.
- Convertible top operation has not ceased due to overheat protection.
- All operating conditions have been met per MVBs 002, 003, and 004 (e.g. windows are initialized, battery voltage is OK, trunk lid is fully closed and latched, etc.).
- Convertible Top Operation Switch E137 is actuated.
- The hydraulic pump drive motor may or may not continue to run.

## Technical Background

Loss of convertible top operation may be due to a faulty hydraulic pump drive motor (Figure 1).



*Figure 1. Hydraulic pump assembly.*

## Production Solution

Improved hydraulic pump drive motor.

## Service

1. One or more DTCs may be stored in the convertible top operation control module, J256 (address word 26). Perform a Guided Fault Finding (GFF) test plan to address any possible malfunction with the sensors or microswitches by performing the five position test.
2. If all switches and sensors have been diagnosed as having no problem, continue the diagnosis for possible loss of hydraulic pressure:  
Actuate Convertible Top Operation Switch E137 and listen for the hydraulic pump drive motor.
  - If the drive motor continues to run, there is no need to test the drive motor itself.
  - If the drive motor does not continue to run, perform output diagnostic test mode for Convertible Top Hydraulic Pump Relay, J321, and Convertible Top Hydraulic Pump Relay 2, J588:
    - a. Check for suitable voltage and ground at the drive motor during relay activation.
    - b. If voltage and ground are checked and OK and the drive motor does not activate, the pump drive motor is faulty. The entire hydraulic pump assembly does not need to be replaced. Replace only the pump drive motor and the pump lever.



**Tip:** Only replace the hydraulic pump assembly if the root cause of the failure is not merely the drive motor.

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## Warranty

<b>Claim Type:</b>	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
<b>Service Number:</b>	6184		
<b>Damage Code:</b>	0040		
<b>Labor Operations:</b>	Side trim, luggage compartment (rear) remove and reinstall	7003 1900	50 TU
	Hydraulic pump electric motor remove and reinstall	6184 1951	50 TU
	Hydraulic pump drive motor and lever remove and reinstall	6184 9999	20 TU
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic protocol (Max 80 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
<b>Claim Comment:</b>	As per TSB #2029956/2		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

## Required Parts and Tools

Part Number	Part Description	Quantity
8H0959755A	Electric motor for hydraulic pump	1
1E0871687	Lever for oil pump and seal ring – electric motor	1



## Additional Information

All parts and service references provided in this TSB (2029956) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.