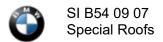
TIS Service Bulletin Page 1 of 1



September 2018 **Technical Service** 

# RETRACTABLE HARDTOP STATUS REQUEST SUPPLEMENT

New information provided by this revision is preceded by this symbol



This Service Information bulletin replaces SI B54 09 07 dated May 2018

### What's New:

Convertible top status document added for I15

## **MODEL**

E93 ( 3 series convertible)	F33 (4 series convertible)	F83 (M4 Convertible)	I15 (I8 Roadster)
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# UPDATE! INFORMATION

- Documents have been developed showing the known correct statuses for all hall sensors and micro switches used to operate the retractable hard top (RHT).
- This document is intended to act as a supplement to the diagnostic information available in ISTA.
- Comparing these statuses to the actual statuses of a vehicle with a functional problem may assist in narrowing down which sensor/switch is contributing to the functional problem.
- For E93, the status request may be found by connecting the car to ISTA and selecting: Control module functions/CTM Convertible top module/Diagnosis Requests - Sensors/Switches
- For F33/F83, the statuses should be checked using the applicable test plan as instructed in attachment B54 09 07 F33 F83 RHT Status.pdf
- For I15, the statuses should be checked using the applicable test plan as instructed in attachment B54 09 07 I15 Top Status.pdf

Posted: Friday, September 28, 2018

### **ATTACHMENTS**

View PDF attachment B54 09 07 E93 RHT Status.

View PDF attachment B54 09 07 F33 F83 RHT Status.

View PDF attachment **B54 09 07 I15 Top status**.

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# F33 Retractable hardtop diagnosis

- Step 1- Perform a vehicle test and work through any corresponding faults. Work through any test plans for the retractable hardtop or loading aid as needed. If the test plans do not provide an accurate diagnosis, proceed to step 2.
- Step 2- In case of a fault with the retractable hardtop, select test plan ABL-DIT-AT5437\_CTM33FTEST-CTM functional check. In case of loading aid faults, select test plan ABL-DIT-AT5437\_CTM33BELHI-CTM loading aid. Note: Keep in mind that faults in one system could be the result of an issue with the other. If required, run test plans for both systems.
- Step 3- Select "functional test" from test plan options
- Step 4- Select "status display for all sensors" (RHT) or "Read out the status of the sensors" (Loading aid) depending on which test plan was chosen.
- Step 5- Ensure hardtop is closed completely and select "retractable hardtop closed"
- Step 6- Hold the hardtop adjustment switch in the up position to switch the statuses from "currently not monitored" to show the current status. While holding the switch in the up position, compare the actual status to the target status as shown in the test plan and this document. They should match.
- Step 7- Go back to "status display for all sensors"
- Step 8- Ensure the hardtop is completely open and select "retractable hardtop open"
- Step 9- Hold the switch in the down position to switch the statuses from "currently not monitors" to show the current status. While holding the switch in the down position, compare the actual status to the target status as shown in the test plan and this document. They should match.
- Step 10- Go back to "status display for all sensors"
- Step 11- Select "retractable hardtop is in an intermediate position"
- Step 12- Reference the photos/statuses in this document at different positions and compare.





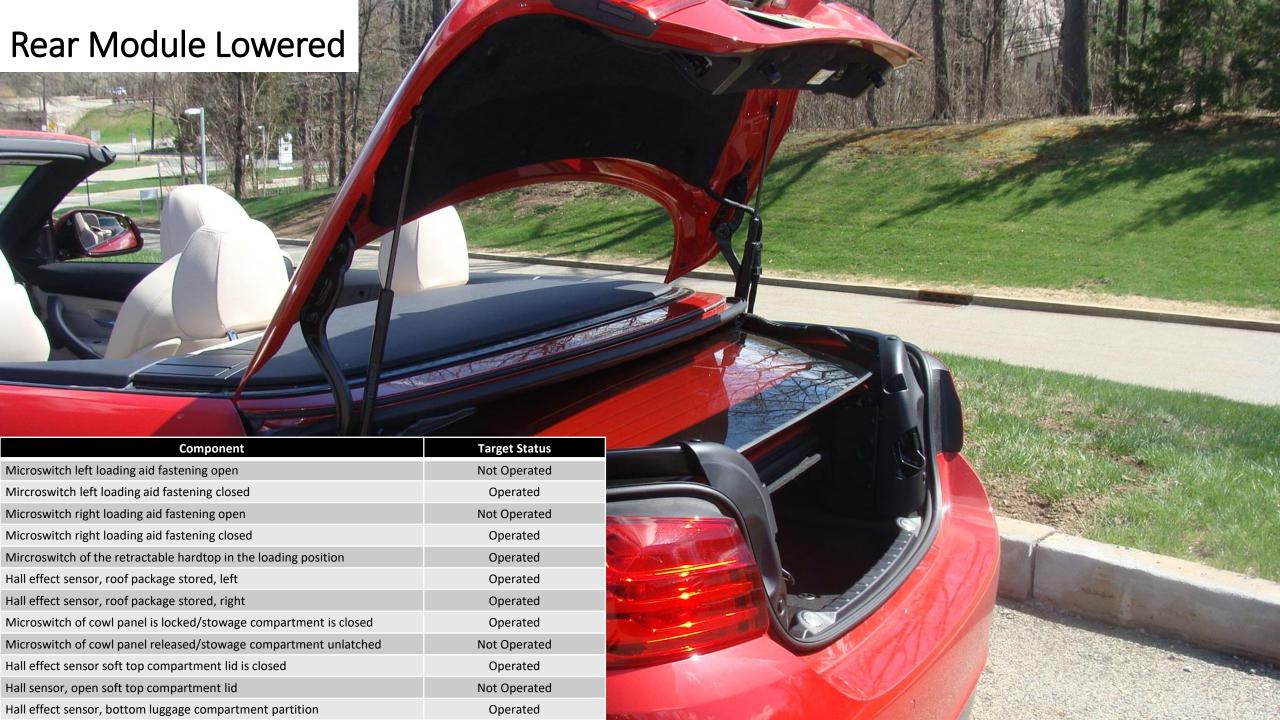


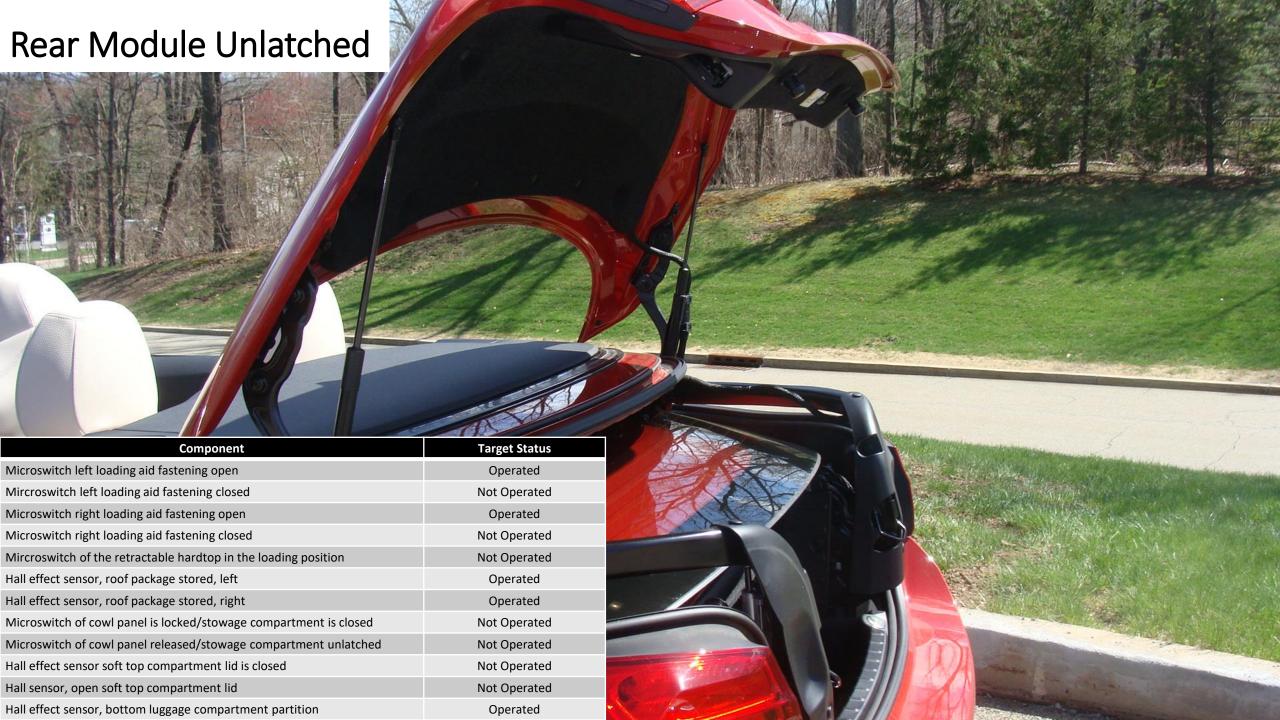






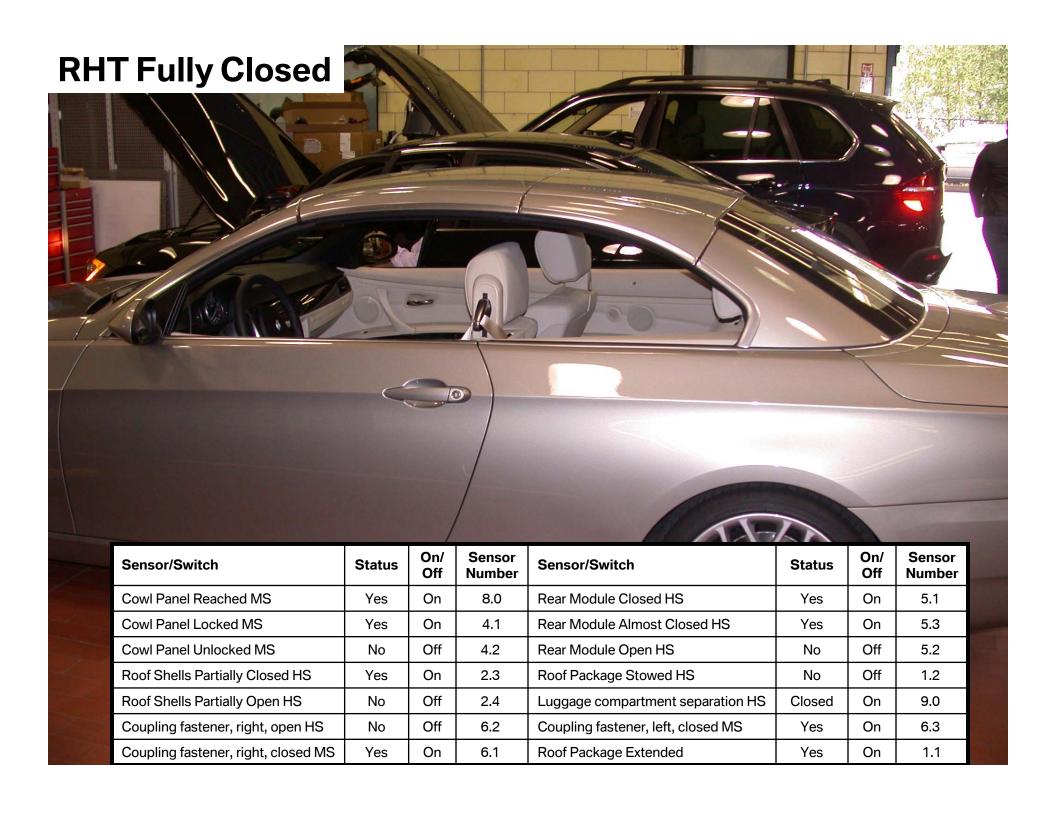


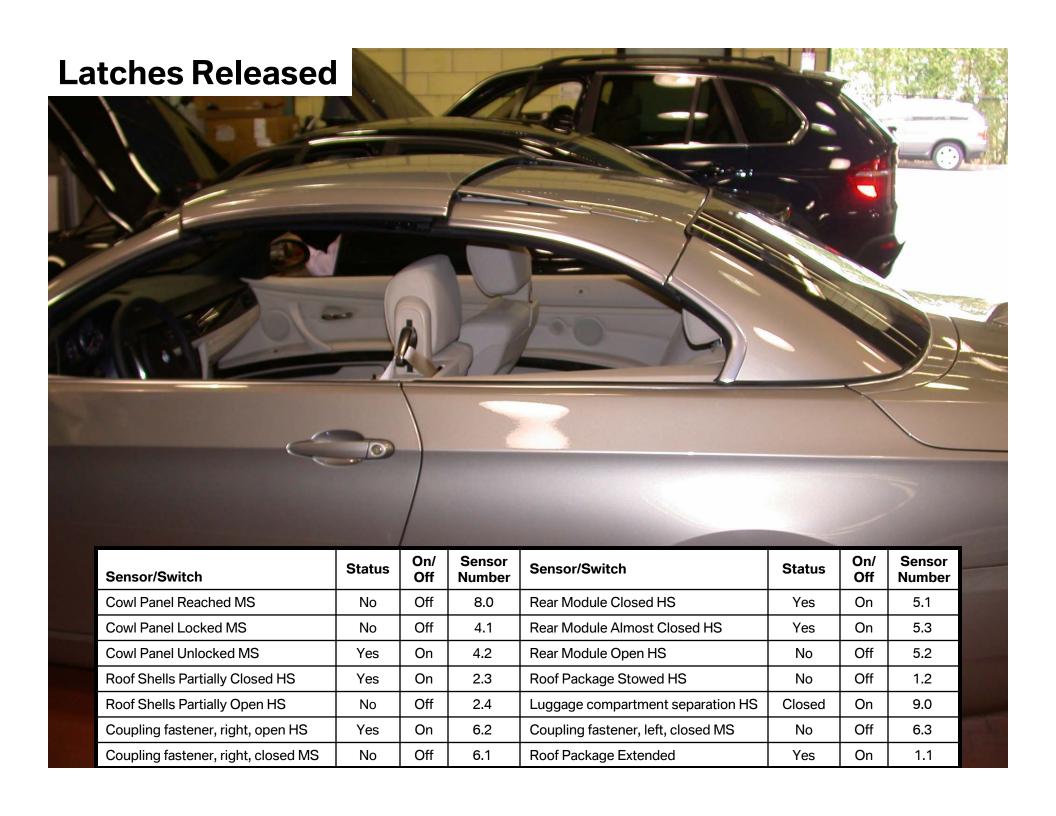


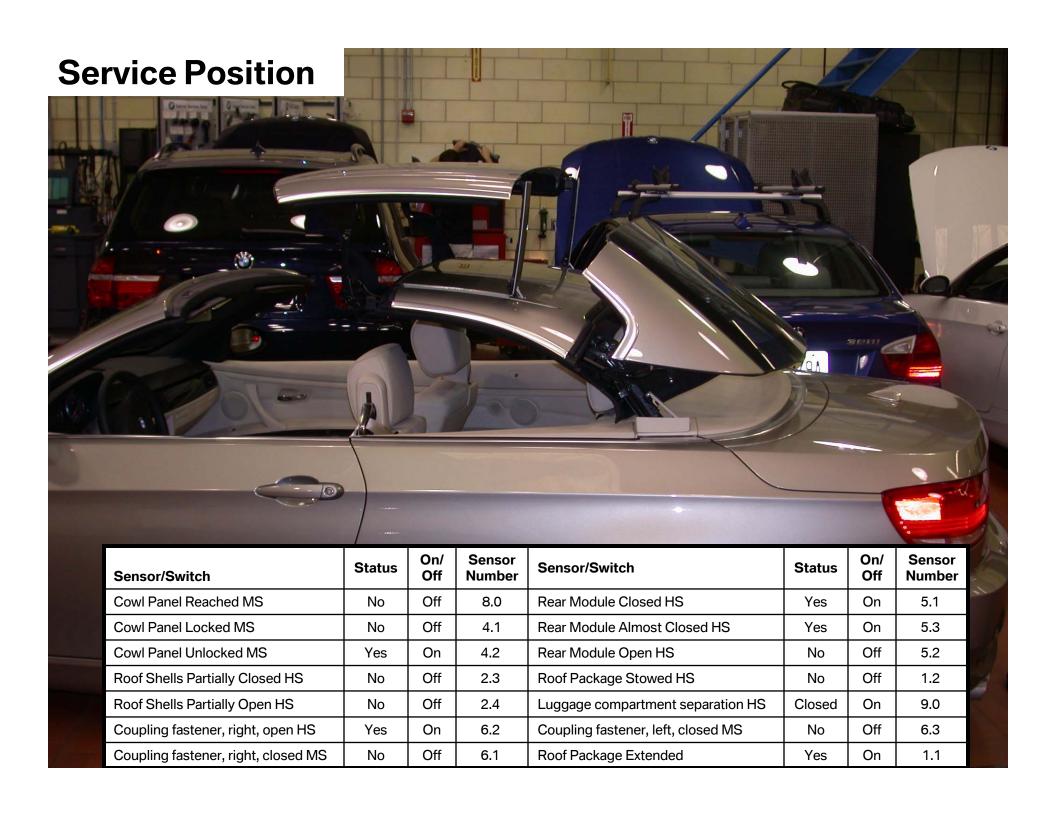


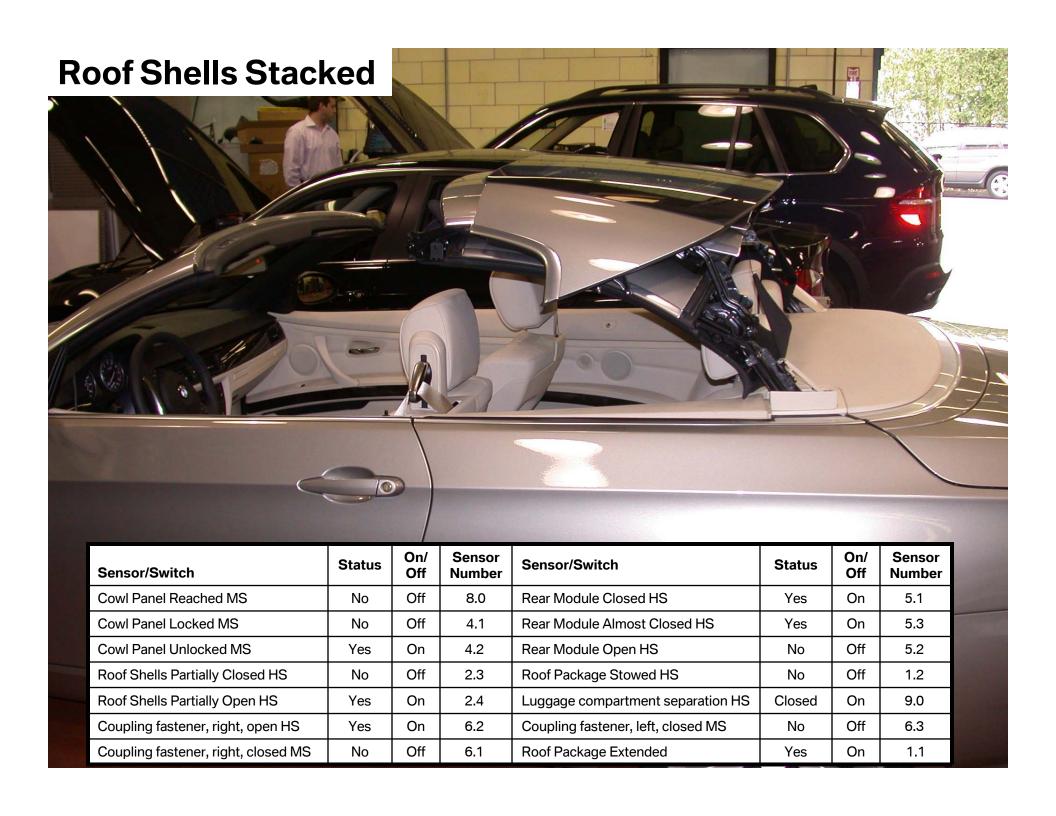


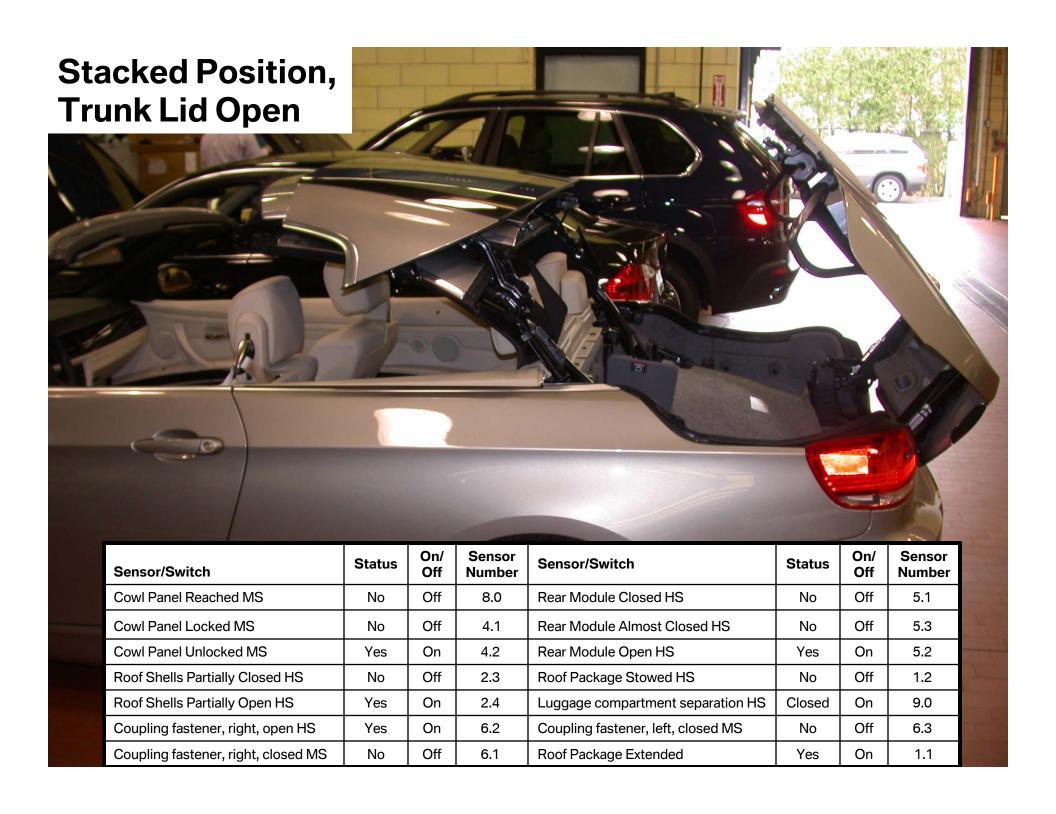


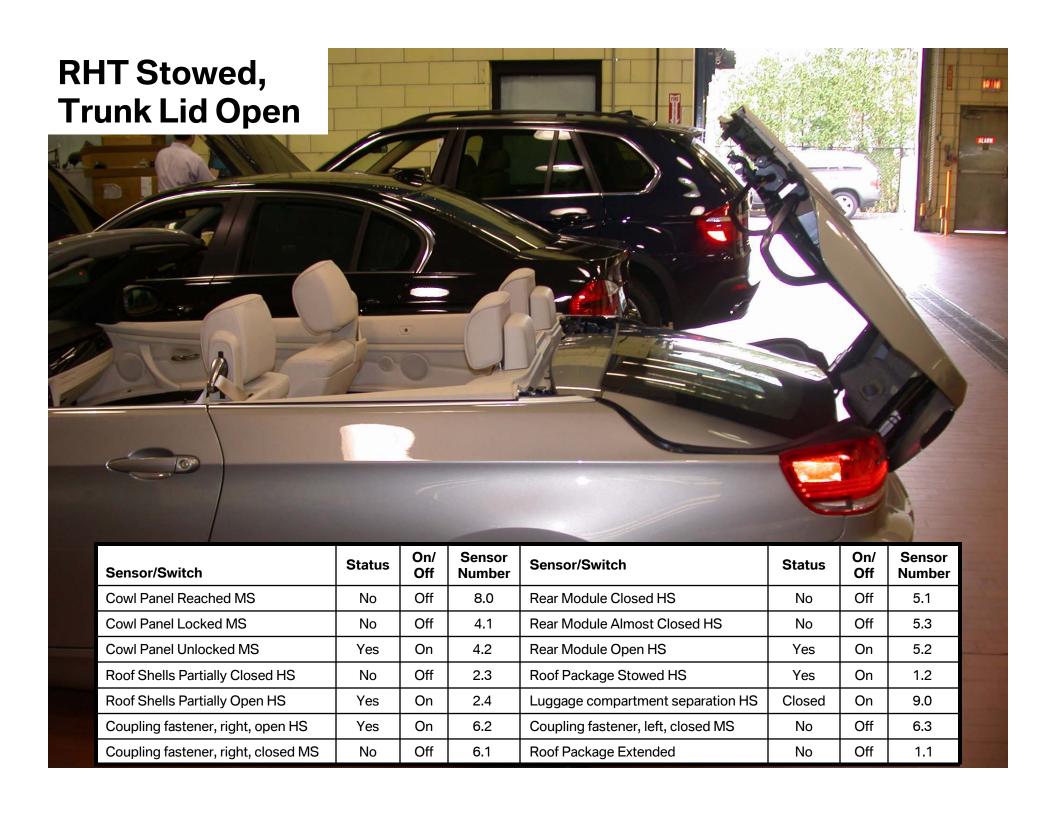














# 115 Convertible top diagnosis

Step 1-Perform a vehicle test and work through any corresponding faults. Work through any test plans for the retractable hardtop as needed. If the test plans do not provide an accurate diagnosis, proceed to step 2.

Step 2-Using test plan ABL-DIT-AT5434\_ECVM15SENS-CVM Sensorik –V.2, the status of all the related sensors and switches can be monitored.

Note: Due to functional limitations of the CVM module, not all sensor statuses will be available when fully open or fully closed. At times, some sensor statuses will read "Currently not monitored". This is not an indication of a defect.

Step 3- When the convertible top is completely open or completely closed, to force a status reading of **some** of the sensors that read "currently not monitored", the convertible top switch can be held in the open or closed position after the top has completed its travel.

Step 4- Reference the photo/statuses in this document at different positions and compare to assist with diagnosis.

