

MAS004102 RU 24-12

RAPID UPDATE

FROM: Maserati TSO

TO: Maserati Network



Maserati

PERSONAL SERVICE LAB

MASTERS OF CARE

Rapid Update 712

GranTurismo – Air Springs Replacement



DATE: MARCH 26, 2024

Certain Maserati GranTurismo (M189) MY24 listed in MODISCS+ are involved in a Rapid Update to replace the front shock absorbers with a newly designed aluminum version.

This Rapid Update has been released to update vehicles that already had the action completed per RUs 658, 669, and 684. The part numbers specified in those bulletins have been replaced with the newly introduced aluminum-type design shock absorbers outlined in this bulletin. If you currently possess any of the part numbers listed in those bulletins (658, 669, and 684) we kindly request that you follow the procedures detailed in [this bulletin](#) for scrapping them urgently. The cost of the component will be refunded by opening a Claim on Modis with "Replacement Shock Absorber campaign" as the reason. **Please refer to pages 4 and 5 for Parts and warranty claim instructions.**

Rapid Updates 658, 669, and 684 vin list will continue to remain active in Modis for vehicles that have NOT yet had the action completed. The part numbers specified in those bulletins have been replaced with the newly introduced aluminum-type design shock absorbers outlined in bulletin **MAS004104**.

We remind you that all Rapid Updates must be carried out when the vehicle first enters the workshop, regardless of the Mandatory setting set in Modis, as required by Maserati policies.

Furthermore, for cars in Dealer/PDI Stock, it is necessary to carry out all campaign operations before delivery to the end customer, as prescribed by the White Book and explicitly reported in the Pre-delivery checklist.

Please read and review this bulletin first before ordering parts and/or starting the procedure.

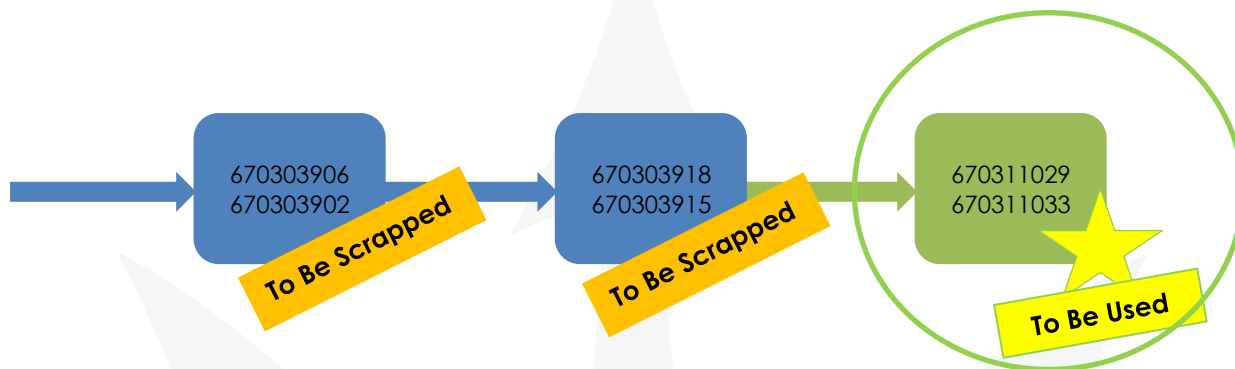
Contact your Regional AfterSales Manager (RAM) or the Technical Support Helpdesk if you have any questions.

Thank You for your continued support and cooperation.

Maserati North America
Aftersales Dept.

Spare Parts History

- **PHASE 1** The parts with PNs 670303906 and 670303902, identifiable by their blue marking, were utilized. Regrettably, it has come to our attention that these parts were not as durable as anticipated. If you currently have any of these items in your inventory, we urgently request that you proceed with scrapping them.
- **PHASE 2** Starting from September 2023, new part numbers 670309018 and 670309015 were introduced, incorporating various improvements. However, despite these enhancements, certain anomalies were still observed.
- **NOW:** New aluminum types are available "670311029/33" Only these PN must be used.



Technical Procedure

1. Always check ModisCS+ to see if the vehicle is involved in this action and if it has not been previously performed.
2. Disconnect the battery, following the procedure in the workshop manual.
 - a. **08.20.001 - BATTERY - Connection/disconnection of the electric power supply**
3. Replace the complete shock absorber, following the relative procedure in the workshop manual.
 - a. **6.11.001 RH FRONT SHOCK ABSORBER. Removal-Refitting or Replacement**
 - b. **6.11.002 LH FRONT SHOCK ABSORBER. Removal-Refitting or Replacement**

NOTE: The shock absorber replacement procedure requires the use of a special tool (PN **900029760** to check the position of the suspension arms. See workshop manual for more info)

Torque Specifications (workshop manual)	
Upper lever screw (Pos 15) NOT TO BE REPLACED	65Nm (47.9 ft-lb)
Shock absorber upper nuts (Pos 2)	20Nm (14.8 ft-lb)
Shock absorber nut(Pos 4)	1. 60 N·m (44.3 ft-lb)
	2. 142.5° (2.487 rads)
	3. 110Nm ...190Nm (81.1 ft · lb...140.1 ft-lb)

FOR THIS ACTION ONLY: Although the workshop manual states to replace the "Upper lever screw," it is not necessary for this action. See the Spare Parts Table on page 4 of this bulletin for components to be replaced.

4. Proceed with restoring all the removed components, following the procedures in the reverse order of the removal sequence.
5. Procedure complete. **Continue with the Lock-to-Lock cycle on the next page.**

Operating Procedure – Lock-to-Lock cycle



All images shown in this bulletin are for illustrative purposes only

The purpose of This test is to verify the correct installation of the new front shock absorbers.

- Carry out the check on every vehicle that has had its shock absorbers worked on or replaced. To simulate a probative test situation, the **Lock-to-Lock** maneuver must be performed in the morning after leaving the vehicle parked overnight.
- Carry out a "Lock to Lock" maneuver. Starting with the steering wheel centered and wheels pointing straight ahead. Then turn the steering wheel completely to the right until reaching the end of its travel. Wait 30 seconds (while visually monitoring ride height) and repeat the operation by turning the steering wheel all the way to the left, always reaching the end of its travel.

NOTE: A video labeled "lock_to_lock.mp4" demonstrating the procedure is included with this bulletin attached separately in MODIS.

- Perform the test with an assistant outside the vehicle who can observe any small amount of lowering from the exterior. Make sure the vehicle has not sagged.



1 Start with the wheels pointing straight



2 Turn the wheels fully locked to the Right



3 Turn the wheels fully locked to the Left

- Repeat the test at least 3-4 times.

10. INSPECTION RESULTS:

- OK** ► **NO lowering of the vehicle occurred**, the procedure is finished. No further action needed.
- NOT OK** ► **Lowering of the vehicle occurred.** Open BOL as "FACTORY INFORMATION" attach a video and pictures of the parts label and blue mark, and await further instructions.

- Procedure complete. Continue with the **Lock-to-Lock** cycle on the next page.

Spare Parts

To order the parts, please open only one PHD per VIN and request the complete list of parts needed for the campaign using PHD type "blocked parts request".

Please order the following PNs:

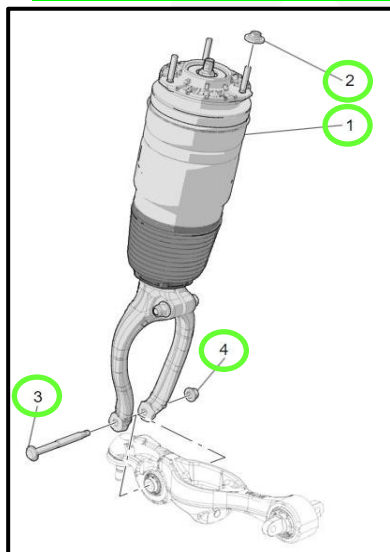
SPARE PARTS TABLE (M189)	Pos	PN	QTY
RH FRONT SHOCK ABSORBER	1	670311033	1
LH FRONT SHOCK ABSORBER	1	670311029	1
Shock absorber upper nuts	2	675001506	6
Shock absorber retaining screw	3	670159150	2
Shock absorber nut	4	675001189	2

Note per BEV "Folgore" Version

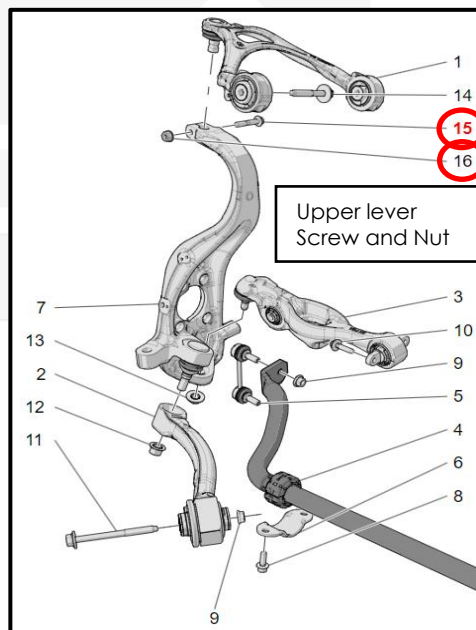
For **the Folgore version**, for the SHOCK SPRING ASSEMBLY order the following part numbers:

SPARE PARTS TABLE (M189) BEV	Pos	PN	QTY
RH FRONT SHOCK ABSORBER BEV	1	670311030	1
LH FRONT SHOCK ABSORBER BEV	1	670311034	1
Shock absorber upper nuts	2	675001506	6
Shock absorber retaining screw	3	670159150	2
Shock absorber nut	4	675001189	2

Components to be replaced



Components NOT to be replaced



Parts Scrapping Info

Please follow the instructions below on how to scrap the previous PNs:

For parts NOT installed (Scrapped Parts): Enter a claim in Modis Spare Parts returns with code 36 improperly machined, providing pictures of the parts in stock, packaging, and labels.

PNs To be scrapped

- **PHASE 1** PNs 670303906 and 670303902
- **PHASE 2** PNs 670309018 and 670309015

Warranty Claim

Complete the warranty request as follows:

Description	Code
Rapid Update number	712
Warranty code	23
Error code	063
Component Code	6.11.001
Operation Code <ul style="list-style-type: none"> ▪ Shock absorber replacement (2 sides) 	6.11.001.D (1.2 h)