



Exterior Mirror Corrosion

| | | | | | |
|-----------------------|-----------------|----------------------|------------------------|-----------------------|--------------------------|
| Classification | Repair Bulletin | Section/Group | 12 - Exterior Fittings | Country/Region | North America and Europe |
| Year | 2012-2014 | Model | Model S | Version | All |

Bulletin Classification: *This repair bulletin provides instructions and guidelines for a noted condition or a customer concern. The information provided can address a broad range of known or perceived issues with the operation of Tesla vehicles. This bulletin might not be VIN-specific. These instructions assume knowledge of motor vehicle and high voltage electrical component repairs, and should only be executed by trained professionals. Tesla Motors assumes no liability for injury or property damage due to a failure to properly follow these instructions or repairs attempted by unqualified individuals.*

This Service Bulletin supersedes SB-14-12-003, dated 15-Sep-14. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.

Condition

The aluminum casting on some exterior mirrors might experience corrosion in cold climates, causing white residue to drip onto the door panels, creating a perceived quality issue. Updated mirrors are now available with e-coated frames that prevent corrosion.

Correction

Upon customer complaint, replace both exterior mirrors. Remove residue from the mirror frame and door interior, if necessary.

NOTE: All European power folding mirrors have e-coating and are not susceptible to the corrosion.

NOTE: Do not use these correction codes if a customer with base- or premium-level mirrors has requested an upgrade to power folding mirrors as part of this replacement process. Refer to step 6 and the Billing Information section of this document for more information.

| Required Part(s): | Part Number | Description | Quantity |
|-------------------|--------------|--|-----------|
| | 1045670-00-A | Loctite Aluminum Jelly Cleaner and Brightener NOTE: 1 bottle contains enough cleaner to perform this bulletin on 20 exterior mirrors | As needed |
| | | Use one of the following, as appropriate: | |
| | 6005860-00-H | MIRR. ASY O/S REM. FR DR LH | 1 |
| | 6005864-00-H | MIRR ASY O/S REM HTD DIM LH | 1 |
| | 1025658-00-B | MIRROR, PREMIUM, POWERFOLD, LH | 1 |
| | 6005860-01-E | MIRR. ASY O/S FR DR LH ECE | 1 |
| | 6005864-01-E | MIRR ASY O/S HTD DIM FR DR LH ECE | 1 |
| | | Use one of the following, as appropriate: | |
| | 6005859-00-H | MIRR. ASY O/S REM FR DR RH | 1 |
| | 6005863-00-H | MIRR ASY O/S REM HTD DIM RH | 1 |
| | 1025657-00-B | MIRROR, PREMIUM, POWERFOLD, RH | 1 |
| | 6005859-01-E | MIRR. ASY O/S FR DR RH ECE | 1 |
| | 6005863-01-E | MIRR. ASY O/S HTD DIM FR DR RH ECE | 1 |
| | | If required: | |
| | 1025215-00-A | ASY,HRN,ADAPT,MIRROR,SIDE,F-H | 2 |

These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Manual.

| Correction Description | Correction | Time |
|--|------------|------|
| Inspect Exterior Mirror For Corrosion; No Exterior Mirror Replacement Required | S011412003 | 0.4 |
| Replace 2 Exterior Mirrors | S021412003 | 0.8 |
| Replace 2 Exterior Mirrors; Remove Residue From 1 Mirror Frame And Door | S031412003 | 1.0 |
| Replace 2 Exterior Mirrors; Remove Residue From 2 Mirror Frames And Doors | S041412003 | 1.2 |

Procedure

1. Remove the 2 exterior mirror assemblies (refer to Service Manual procedure 12091102).
2. Inspect the interior area of the junction of the door and mirror for residue, as well as the junction of the quarter glass and mirror.

NOTE: The exterior door panels do not need to be inspected at this time. Any residue on them will be removed by the detailer.

3. If there is residue present, perform the following steps:

⚠ WARNING: Loctite Aluminum Jelly Cleaner and Brightener can cause damage to skin. Wear appropriate personal protective equipment and apply according to product instructions.

⚠ CAUTION: Loctite Aluminum Jelly Cleaner and Brightener can be harmful to certain materials. Limit application to the affected area. Apply according to product instructions.

- a) Wipe the area clean of dust and debris.
- b) If there is residue on the interior of the door, make sure the drain holes at the bottom of the door are unobstructed.

- c) Use Loctite Aluminum Jelly Cleaner and Brightener to clean the area.
- d) Use water to rinse off the cleaner.

4. Determine the correct replacement mirrors:

| MIRROR TYPE | PART NUMBER | REPLACED BY |
|---------------------------------|--------------------------|-----------------------|
| North American Base LH | 6005860-00-G and earlier | 6005860-00-H or later |
| North American Base RH | 6005859-00-G and earlier | 6005859-00-H or later |
| North American Premium LH | 6005864-00-G and earlier | 6005864-00-H or later |
| North American Premium RH | 6005863-00-G and earlier | 6005863-00-H or later |
| North American Power Folding LH | 1025658-00-A | 1025658-00-B or later |
| North American Power Folding RH | 1025657-00-A | 1025657-00-B or later |
| European Base LH | 6005860-01-D and earlier | 6005860-01-E or later |
| European Base RH | 6005859-01-D and earlier | 6005859-01-E or later |
| European Premium LH | 6005864-01-D and earlier | 6005864-01-E or later |
| European Premium RH | 6005863-01-D and earlier | 6005863-01-E or later |

5. Inspect the replacement mirrors to ensure that the aluminum casting has black e-coating (Figure 2).



Figure 2

6. Install the upgraded mirror assemblies (refer to Service Manual procedure 12091102).

NOTE: If a customer with base- or premium-level mirrors has requested an upgrade to power folding mirrors as part of this replacement process, refer to SB-14-12-001, “Power Folding Mirror Installation” for the procedure and correction codes.

NOTE: A harness adaptor might be required depending on the manufacturing date of the vehicle. Refer to Service Manual procedure 12091102 for details.

7. Send the vehicle to the detailer if there is residue on the exposed areas of the doors.

Billing Information

If the customer requested an upgrade to power folding mirrors, enter the following information into Warp Service:

| | |
|-----------------------------|--|
| Symptom | Rust / Staining found on door(s) under the exterior mirror(s) |
| Concern narrative | In addition to the customer concern about the staining, add a note that the customer requested the upgrade to power-folding mirrors |
| Correction narrative | State that there is a “warranty replacement of exterior mirrors and a discount applied to the power-folding mirror upgrade” |
| Pay type | Customer Pay |
| Final customer pay | Production date before June 1, 2014 USD 1,900 Production date June 1, 2014 and later USD 600 CAD 600 EUR 450 DKK 3,500 NOK 4,000 CHF 600 GBP 400 SEK 4,300 NOTE: Refer to the Customer/Vehicle Profile to confirm the production date. |

Affected VIN(s) Affected Model S vehicles built before approximately April 16, 2014 that were delivered to North America or Europe with non-e-coated mirrors installed.

NOTE: This is a simplified summary of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle Profile to determine applicability of this bulletin for a particular vehicle.

For feedback on the accuracy of this document, email ServiceBulletinFeedback@teslamotors.com.