



SERVICE BULLETIN

Date: 29th May 2009

Model: Elise/Exige

Number:
2009/02
USA

CLASSIFIED

Service Manager	Service Reception	Supervisor	Parts Manager

See also S/B 2009/01R USA

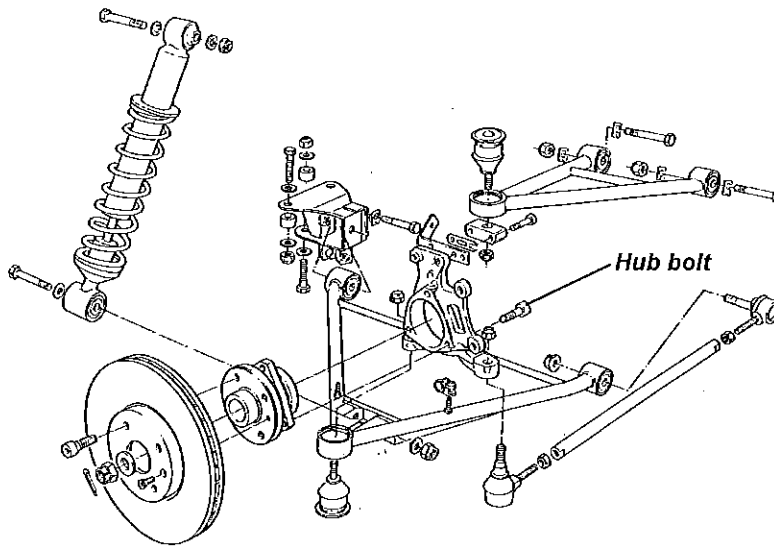
TITLE: Torque check of rear hub securing bolts on selected vehicles.

REASON: To verify that factory torque check process has been applied. Recall campaign S/B 2009/01R USA identifies a small range of Elise platform models considered to be at risk from insecure rear hub bolts. This bulletin, 2009/02 USA, requests that a further range of cars which are not considered to be at risk, are also checked at the next opportunity as a precautionary measure.

ACTION: At the next opportunity, on all cars in the designated VIN range, and built in the period June 2008 to January 2009, carry out the following torque check procedure. *Check on Warranty System that this campaign is still outstanding for the subject car.*

Check Procedure

Note: The three hex. head bolts securing the hub bearing unit to the hub carrier are treated with Permabond A130 compound, and torque tightened to 90 Nm. In order to avoid breaking the adhesive bond, and the subsequent need for bolt removal, cleaning and adhesive re-application, the check procedure uses a lower torque setting in conjunction with witness marks.



1. Remove both rear roadwheels.
2. From the inboard side of the hub carrier, match mark the position of the three bolts securing the hub bearing unit to the hub carrier, by scribing a line across the head and onto the carrier.

Continued.....

3. Using a short torque wrench with 19mm crowsfoot adaptor ring, apply a 70 Nm tightening torque to each of the bolts in turn. If a suitable torque wrench or adaptor is not available, use a well fitting thin wall 19mm ring spanner, and apply full effort.
4. Examine the match marks to determine if any bolt movement has occurred;
 - if no; mark the bolt heads with white paint, and re-assemble (wheel bolt torque = 105 Nm).
 - if yes; before taking any further action, immediately inform Lotus Warranty by;
Telephone; 770-476-6564
E-mail; warranty@lotuscars.com
If instructed to proceed:
 - a) Remove the hub carrier from the car (see Service Notes sub-section DH.3).
 - b) Thoroughly de-grease and clean the female threads in the hub carrier. Clean the thread of each bolt using a wire brush and Acetone, apply PermaBond A130 and re-install, tightening to 90 Nm.
 - c) Mark the hub bolt heads with white paint.
 - d) Reassemble the suspension (see Service Notes sub-section DH.3)
 - e) Refit the roadwheels (wheel bolt torque = 105 Nm).

CHARGES: For vehicles passing the torque check, claims for 0.4 hr may be submitted quoting Operation Code 31.03.90 - 00, 'A' code 50, 'B' code 40. Please quote 'S/B 2009/02 USA' in the text remarks section.

For vehicles failing the torque check, claims for 1.6 hr per side may be submitted quoting Operation Code 31.03.91 - 01, (left hand side) and/or 31.03.92 - 01 (right hand side); 'A' code 50, 'B' code 40. Please quote 'S/B 2009/02 USA' in the text remarks section.