



SERVICE BULLETIN

Date: 06.02.06

Model: Elise

Number:
2006/1R
USA

CLASS 1

<i>Service Manager</i>	<i>Service Reception</i>	<i>Supervisor</i>	<i>Parts Manager</i>

TITLE: Fitment of modified gear lever

REASON: The original gear lever on the 6-speed Elise (introduced in May 2004) was fabricated from hexagonal section steel bar with welded steel plate reinforcement. It has been found that this gear lever may break if subjected to high handling force. Lotus is undertaking to replace all early type gear levers with a modified design to assure the highest level of safety.

ACTION: All Elise models in the VIN range detailed below are being recalled in order for the gear lever assembly to be updated to an revised design using a larger diameter round section bar of higher material specification.

- Lotus is using its own and dealer sales records, in conjunction with data from vehicle registration authorities, to inform the owners of all affected vehicles, that the vehicle is subject to a precautionary safety recall, and advising them to contact their dealer to have the necessary modification carried out. A specimen letter is attached for information.
- Notwithstanding the above, dealers should immediately contact their own customers wherever possible.
- Lotus Cars USA has allocated and issued each dealer with an initial stock of the necessary parts (see below) based on sales records and owner address information. If and when necessary, additional parts should be ordered in a timely manner as VOR charges will not be accepted.
- Dealers should ensure immediate rectification of any cars in their sales stock or demonstrator fleet. **It is a violation of Federal law for a dealer to deliver a new or used car to which this bulletin relates until the specified modification is carried out.**

Affected Cars

All cars built since 6-speed model introduction in May '04, until approx. February '05.
Dealers should consult their sales database and check all such cars on the Lotus Connect system which will identify any outstanding campaigns for each vehicle. For convenience, a hard copy list of VINs for the USA market is attached to this bulletin.
Note that customers may also check their own VIN on the recall page of the Lotus Cars website (www.group Lotus.com) and following the links - Lotus Cars - Aftersales - Product Recalls.

Parts Required	Part Number	Qty
Gear Lever - RHD	A120F0008S	1
Gear Lever - LHD	A120F0009S	1
Lift Tube, reverse select	B120U0017F	1
Lift Tube Adaptor	B120F6259S	1
Spring Clip, lift tube to adaptor	B120W6770F	1
Knob, gear lever, M10	C120U0012F	1
Grub Screw, M5 x 16, knob retention	A120W5292F	1

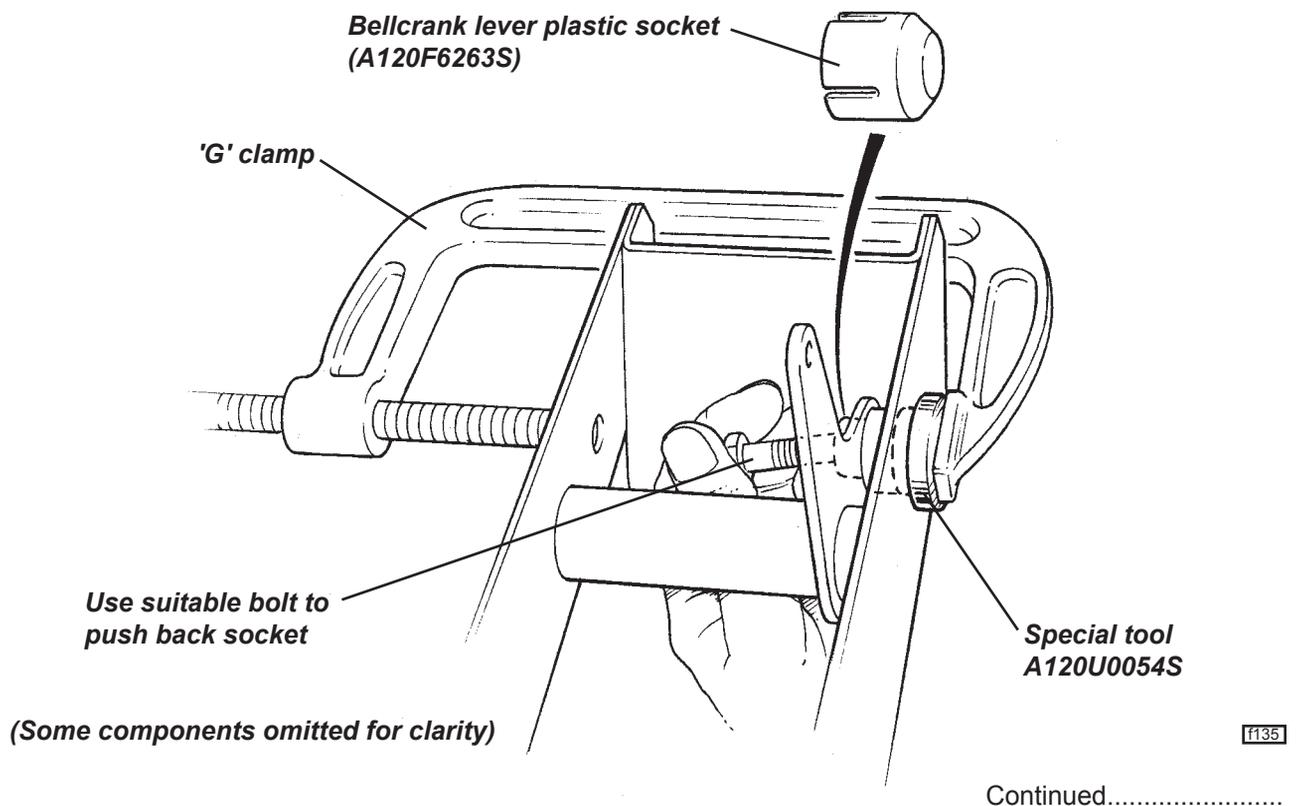
Tools Required	Part Number	Qty
Tool, gear lever bush guide	A120U0054S	1

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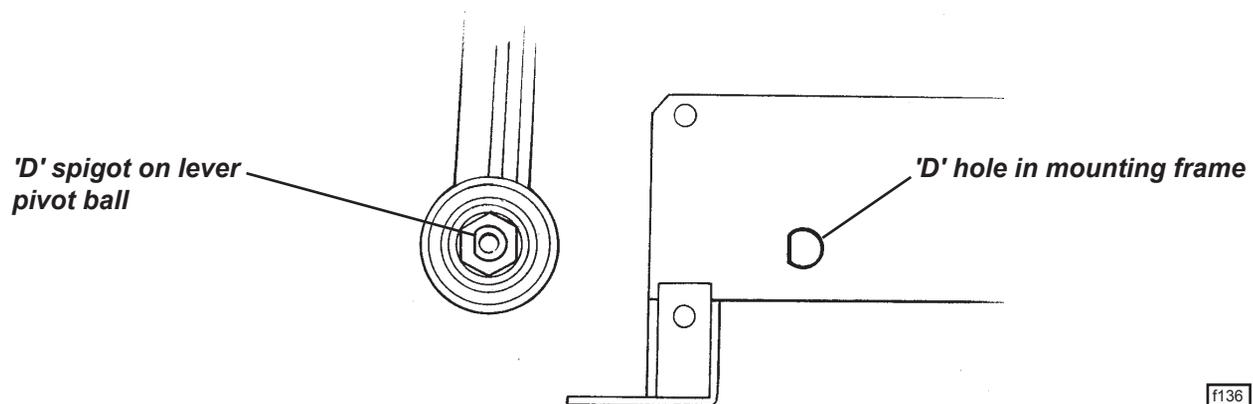
Procedure

Replace the gear lever and associated components as follows:

1. Inspect the grub screw drilling in the front of the gear lever knob. **If this is marked with red paint, the modification has already been carried out - take no further action.**
Release the grub screw (if applicable) in the front face of the gear lever knob, and unscrew the knob.
If the knob thread on the lever is M10, the car has the modified lever already - take no further action. (Earlier versions have M7 or M8)
For knobs without grub screws, gentle heat may help to soften the thread adhesive.
Prise off the spring clip from the top of the lift tube adaptor.
2. Release the two grub screws in the underside of the parking brake lever sleeve and withdraw the sleeve.
3. Remove the two screws securing the front of the gear lever shroud and carefully withdraw the gear/park brake shroud, disconnecting the window switch and hazard lamps switch (if applicable). Take care to prevent scratching the shroud on seat belt fixings or seat runners.
4. Release the reverse selector cable from the gear lever and unhook from the lift tube adaptor. Discard the adaptor.
5. Prise off the gear selector cable socket from the gear lever (use a 10mm spanner).
6. From the LH side of the unit, remove the screw securing the gear lever pivot to the mounting frame. Push the top of the gear lever to the right to help disengage the crossgate selector ball at the bottom of the lever from the bellcrank lever socket. Take care not to damage the socket plastic bush which should remain in the bellcrank lever. Discard the gear lever.
7. To allow fitment of the bush guide tool, unhook the main harness from the 'P' clip at the front of the frame, temporarily hook over the outside of the shroud fixing leg and rotate the 'P' clip 90°. Locate the guide tool in the hole at the RH side of the mounting frame and secure in position using a 'G' clamp as shown, but do not crush or distort the frame.



8. Push the plastic socket in the bellcrank lever fully into the guide tool to facilitate installation of the gear lever. Apply a dab of mineral oil based lithium grease (e.g. Molykote Longterm W2) to the socket.
9. Fit the gear lever, feeding the crossgate ball into the bellcrank lever and position the lever upright. Using a suitable screwdriver or pry bar, push the base of the lever over to the right to engage the crossgate ball into the plastic socket (should click home).
10. Remove the 'G' clamp and guide tool, and push the crossgate socket to the left to engage the 'D' feature on the gearlever pivot ball with the matching hole in the LH side of the frame. Apply PermaBond A130 (A912E6033V) to the fixing screw and torque tighten to 10 Nm. Restore harness position.



11. Fit the new lift tube adaptor onto the gear lever and ensure it is free to slide up and down. Hook in the reverse selector cable and secure to the gear lever abutment. Temporarily fit the new lift tube onto the adaptor and screw on the new gear knob. Adjust the cable to allow correct reverse gear selection and tighten adjuster nuts. Remove gear knob and lift tube. Clip the selector cable onto the gear lever ball.
12. Cut the tie strap securing the old lift tube in the gear lever gaiter and fit the new lift tube using a suitable tie strap. Fit the shroud over the parking brake and gear lever, taking care not to scratch the surface finish, and aligning the flats on the lift tube with those on the lift tube adaptor. Connect the electrical switches as necessary, and retain the shroud with the two screws.
13. Use the new spring clip to secure the lift tube to the adaptor, and fit the new gear knob, tightening the grub screw to orientate the graphic correctly. Apply red paint to the grub screw drilling in the knob for identification. Fit and secure the parking brake lever sleeve.
14. Check gear selection and reverse inhibit function. Ensure the lift tube returns freely under spring action.

CHARGES: Warranty Claims for 1.2hr/car plus material should be submitted on Lotus Connect option DC603 (Bulk Entry Campaign) using code 2006/1R as the campaign number.