



SERVICE BULLETIN

Date: 27.08.04

Model: Elise/Exige 6-speed

Number:
2004/18

CLASS 2

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|------------------------|--------------------------|-------------------|----------------------|
| <i>Service Manager</i> | <i>Service Reception</i> | <i>Supervisor</i> | <i>Parts Manager</i> |
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TITLE: Rectification of sticking gear lever lift tube.

REASON: The 6-speed transmission fitted to Elise 111R/Exige 'Mk.2'/USA Elise uses a spring detent reverse gear inhibitor built into the transmission, which requires a vigorous crossgate movement of the lever to the left in order to access reverse gear. In addition to this spring detent, a positive lock out is provided on the gear lever mechanism which requires that a collar beneath the gear lever knob is raised before the lever may be moved fully to the left and over the detent. On some cars, out of tolerance components may result in the lift tube sticking in the raised position and in possible baulking on hurried 3rd to 2nd downchanges if the lever is pushed too far to the left.

ACTION: At the next opportunity on any 6-speed Elise variant prior to VIN serial number:
111R/Exige; 2013 ('04 model year)
USA Elise; 0102 ('05 model year)

- check the action of the gearchange lever lift tube for any tendency to stick in the raised position. If any such situation is found, take the following rectification action:

| <u>Parts Required</u> | <u>Part Number</u> | <u>Qty</u> |
|-----------------------|--------------------|------------|
| Lift Tube Adaptor | A120F6257S | 1 |

Procedure

1. Unscrew the gear lever knob, if necessary applying gentle heat to soften the adhesive. Release the two grub screws and pull off the parking brake lever alloy sleeve.
2. Remove the two screws securing the front of the gear lever shroud, and carefully lift the centre tunnel shroud, taking care not to scratch the shroud on the seat runners or seat belt buckles. When access permits, disconnect the CDL switch and hazard lamps switch (if applicable), and unhook the reverse inhibit cable from the lift tube adaptor. Withdraw the shroud, sliding the lift tube off the gear lever.
3. Remove the spring steel retaining clip from the top of the plastic lift tube adaptor and slide the adaptor out of the alloy lift tube.
4. For easiest assembly, first fit the new lift tube adaptor onto the gear lever and hook in the cable. If a new lift tube adaptor is not available, the hexagonal bore of the adaptor at its tight point (the top section) must be relieved using a small file or scraper until a satisfactory fit (with spring clip fitted) is achieved.
5. Refit the shroud, taking suitable precautions to protect from scratch damage, and feed the adaptor into the alloy lift tube. Retain with the spring steel clip. Check the fit of the adaptor for free sliding on the gear lever before continuing.
6. Connect the electrical switches and refit the parking brake lever sleeve.

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7. Apply a **small** amount of thread locking compound (Permagard A130 {A912E7033V} or Loctite 243 {A918E6027V}) to the female threads inside the gear knob, and screw the knob fully onto the lever. Then progressively unscrew the knob until raising the lift collar allows selection of reverse gear, and the change pattern graphic is correctly orientated. Note: if too much adhesive is applied, contamination of the gear lever/lift tube may result in sticking of the lift tube!

CHARGES: Warranty claims for 0.8 hr/car may be submitted using Operation Code 47.05.01-07. 'A' Code 50, 'B' Code 40. Please quote bulletin number in the text remarks section.

