

Measure no.

US 53055102-02

Subject

Gear lever does not return to the neutral position

Status date (mm/dd/yy)

2/24/14

Status

Accepted

Organization

US, MOT

Date created (mm/dd/yy)

2/24/14

Created by

Carsten Gruetzmacher

PQM Problem reference**Release date (mm/dd/yy)****Approved by****Dealer release**

Allow automatic release

Vehicles affected**E series**K70/11 K71 K71/11 K72 K72/11
K73/02**Engine**

2-ZYL

Body**Production period (from/to)**

(mm/dd/yy)

Comment on production period

/

Feedback (all cases relating to**measure up to) (mm/dd/yy)****Complaint**

Following the switching operation, the gear lever does not immediately return to the neutral position.

Cause

Two narrow faces on the shifting pawl (part of the selector shaft) may be too uneven.

The attached PICTURE shows one of these surfaces circled in red – the selector shaft shown is actually defect-free (!) because the surface only requires a load-bearing proportion of 50% (the condition of the deep part of the face is not important).

The second face section with virtually identical dimensions (approx. 15 mm long and 3 mm wide) is on the opposite side of the shifting pawl (at the bottom of the image).

The excessive unevenness sporadically causes the shifting pawl to remain stuck on the star wheel, which prevents the gear lever from returning to the neutral position.

Measure

Removing the selector shaft (depending on the model, current part numbers 23007690384 or 23007706750).

Replacing the selector shaft takes approx. 45 minutes.

Two options:

1. Smooth both face sections. Please note that the actual "hook height" at the tips of the pawl must not be decreased, as the pawl will otherwise not reach over the pins of the switch wheel.

PLEASE NOTE: These functional faces need only have a load-bearing proportion of 50% with a smooth surface; lower-lying portions with a rough surface are present for reasons related to manufacture.

Grooves running transversely over almost the entire edge width of 3 mm are critical.

Alternatively:

2. Fit new part.

Complaint

Fault location	Fault type	Fault place
Shifting transmission / changing gear	snagging / pinching / trapping	

Cause

#	Fault location	Fault type	Fault place
1	23/00 Gearshift shaft	Deformation, contorted	
	Repair Task	Special Clearance	Area
		No	Powertrain

Fault code

Progman / DIS / ISTA / ISTA/P

System	State	Version
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