

# Technical Bulletin

## Mazda 6 Estate - Luggage Cover Repair Kit

Applicable References: ADM58067

Applications: Mazda 6 Estate 2002>2008

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**The retracting mechanism on the Mazda 6 estate luggage cover commonly fails, resulting in a cover that no longer returns back into its housing.**

The failing component is a plastic sleeve that wears with age and will inevitably fail on every cover. This sleeve is not available from Mazda and the only option is a complete new luggage cover. *That is until now...* Blue Print can supply a new sleeve that has been engineered using solid aluminium and therefore much more durable than the original plastic part.

*Replacing the failed sleeve is relatively straightforward and Blue Print has created the following fitting guide to help you carry out the repair.*

**Allow around 1½ hours to complete the repair.**

### Items required:

- Blue Print luggage cover repair kit **ADM58067**
- Cross-head screwdriver
- Electric drill and 2.5>3.0mm bit
- Pliers
- Round file
- Centre punch
- Hammer
- Impact adhesive

### Remove the unit from the vehicle to begin repair

- Firstly remove the LH (passenger side) plastic cover which is retained by two cross-head screws. (Figure 1)
- Now lift the retractable cover from the housing. What you have is the leatherette cover bonded to a metal tube with a coiled spring hooked onto a plastic sleeve attached to a metal rod, running through the centre. (Figure 2)
- The plastic sleeve is located on the end that the metal rod protrudes. To enable the sleeve to be removed you must now carefully peel back some of the leatherette cover until the two indentations on the metal tube are visible. These indentations are crimping the sleeve in place. (Figures 3)
- Next you must carefully drill out these two indents using a 2.5>3mm bit. Once drilled out, carefully twist and pull the plastic sleeve to gentle ease it from the metal tube. (Figures 4 & 5)

**Note:** Avoid the temptation to just pull out the plastic sleeve without drilling out the indents as you are likely to damage the tube. Also, before the new sleeve can be fitted it will probably be necessary to file the inside of the metal tube to clean out any burring caused by the drilling.

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Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



- Now the cause of the problem becomes evident. The 'L' shaped part of the plastic sleeve that the spring locates into will be worn, split or cracked. Figure 6 is of a working luggage cover, although wear is still evident so it'll only have been a matter of time!

- Withdraw the plastic clip complete with the metal rod and spring from the tube. You will see that the plastic clip was originally inserted from the other end of the rod. To remove the now 'worn out' sleeve it needs to be carefully broken off of the rod. (cut with hacksaw/crush in a vice/etc...)

**Repair and re-assembly:**

- Now the new Blue Print aluminium sleeve can be fitted onto the rod and the spring aligned with the 'L' shape of the sleeve. (Figure 7)

- Insert the spring/rod/sleeve back into the metal tube. You should now be able to feel some sprung resistance if you try turning the centre rod.

**Note:** The new sleeve will need to be fitted at 90 degrees to the original plastic sleeve so that the 'dimples' on the aluminium sleeve do not line up with the drilled holes in the tube. We recommend you make some alignment marks to the sleeve and tube to aid with the next step. (Figure 8)

- Using your marks, centre-punch two new indentations through the metal tube into the two dimples in the aluminium sleeve to firmly secure it in the tube. Check the sleeve is firmly secured by trying to twist it with pliers. (Figures 9, 10 & 11)

- The leatherette can now be re-bonded to the metal tube using an appropriate adhesive. Once the adhesive is set, roll up the leatherette cover to the 'retracted' position. (Figure 12)

- Next, the tube needs to be located back into the RH side of the housing, and then the LH cap can be located onto the metal rod. The cap then needs to be rotated anti-clockwise 12 turns before refitting the cap into place and tightening the two retaining screws. This is an important step that gives the spring the pretension to retract the luggage cover. (Figure 13)

- Refit the entire cover to the car and enjoy the repaired luggage cover! (Figure 14)



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