



MERCEDES-BENZ

## service information

TO: OUR MERCEDES-BENZ PASSENGER CAR DEALERS

DATE: May 1989

REF.NO. MBNA 91/15

SUBJECT: SUBSEQUENT INSTALLATION OF AUTOMATIC LOCKING RETRACTORS  
FRONT SEAT BELTS  
MODEL 113

The attached Work Instructions No. 232 describe the procedure for installing automatic locking retractor seat belts into model 113 vehicles, which were not originally equipped with a seat belt system.

The automatic locking retractor seat belts can also be installed as replacement seat belts for model 113 vehicles, which were originally equipped with either non-automatic or combination (shoulder/lap belt) seat belt systems.

**Note:** Some welding is required for installation.



Group: 91

## Work Instructions

Date: May 1989

Number: 232

**SUBJECT: SUBSEQUENT INSTALLATION OF AUTOMATIC LOCKING RETRACTORS  
FRONT SEAT BELTS  
MODEL 113**

1. Remove hard top and raise soft top out of storage compartment.

or

1.1 If soft top is in the raised position, release rear bow locking pin and lift rear bow into an upright position.

2. Remove rear jump seat if vehicle is so equipped. Remove rear floor carpeting from both sides.

3. Remove chrome cap, trim covering, and stiffening plate on both "B" pillars.

4. Unscrew and remove the lower half of the hard top locks on both "B" pillars.

5. Modify the stock threaded plates as shown in Figure 1.

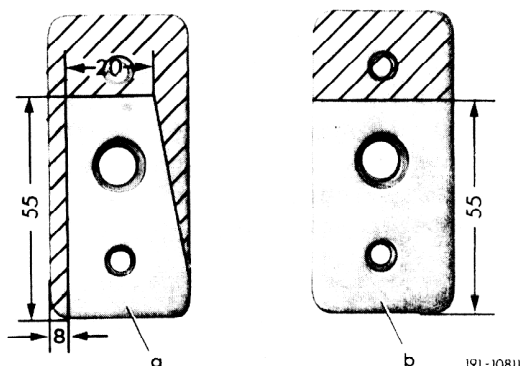


Figure 1 Threaded plate modification  
The cross-hatched area is to be removed (dimensions in mm)

### Threaded Plate Modification Table

Version	Quantity	Used to anchor
a	1	Guide fitting; left (as shown in Figure 1)
a	1	Guide fitting; right <sup>1)</sup>
b	2	Automatic locking retractor
b	2	Belt lock <sup>2)</sup>

<sup>1)</sup> For right side, mirror image item "a" of Figure 1

<sup>2)</sup> Only needed on vehicles **without** optional rear jump seat

6. From inside the soft top compartment, remove or pull back any carpeting.

Cut open an 18x35 mm flap in the metal compartment wall as shown in Figure 2.

7. Drill a hole (2) or enlarge an existing hole to 14 mm at the top of the "B" pillar. Using modified threaded plate "a" as a template, mark and drill the location for the 7 mm diameter screw hole (3, Figure 3).

8. Guide the modified threaded plate "a" through the flap opening created in step 6. Attach modified threaded plate "a" behind the metal bracket with M6x18 screw at location 3 (Figure 3).

9. Weld the flap opening closed. Coat all bare metal surfaces with zinc dust paint.

The retractors can be mounted on the inward facing side of the "B-pillar" (this is the preferable location) or on the forward facing side of the "B-pillar" (see Figures 9 and 10 on page 5, respectively).

However, on the passenger side of vehicles with the optional rear jump seat, the retractor **must** be mounted on the forward facing side of the "B-pillar".

**Note:** Installation of the retractor on the forward facing side of the "B-pillar" will reduce seat travel.

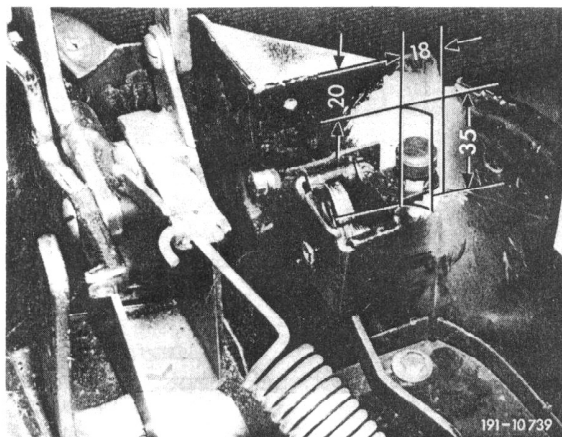


Figure 2 Soft top compartment opening, left (mirror image right side)

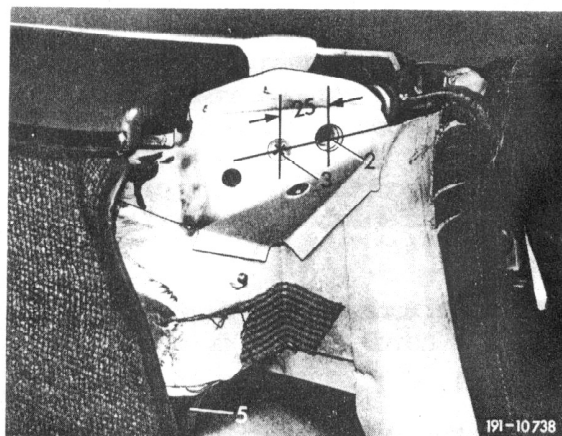


Figure 3 Top of "B" pillar  
2 Threaded hole location  
3 Screw  
5 Strut

10. Drill a 14 mm diameter hole (2) at the bottom of the "B-pillar" (Figure 4). Using modified threaded plate "b" as a template, mark and drill a 7 mm diameter screw hole (3, Figure 4). Continue with step 11.

#### Vehicles With Optional Rear Jump Seat

10.1 Weld bracket (4) into place on the passenger side as shown in Figure 5, making certain that the retractor mounting surface of the bracket is vertical. Apply zinc dust paint to the welds.

**Note:** There are sufficient parts included in the kit to weld a bracket to the driver side, if so desired, for appearance reasons. If a bracket is used on both sides, continue to step 12.

11. Guide modified threaded plate "b" through existing opening (white arrow) and attach with M6x18 screw (3, Figure 4).

12. Fit upper portion of the support strut (5) under lip at "B" pillar (Figure 3). Place strut in parallel to wheel well curvature. Mark and cut-off excess material of strut, ensuring that the strut sits on the shoulder, not in lower seat well (Figures 4 and 5). Weld at top and bottom of strut. Coat all welds with zinc dust paint.

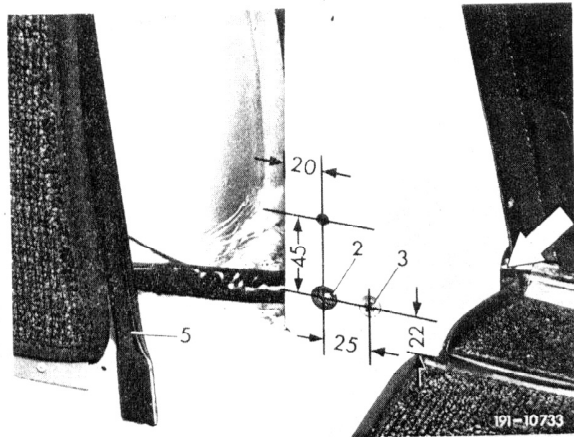


Figure 4 Inward facing side of "B-pillar"

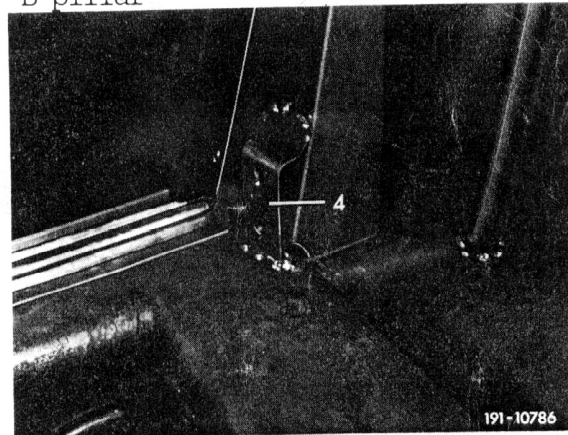
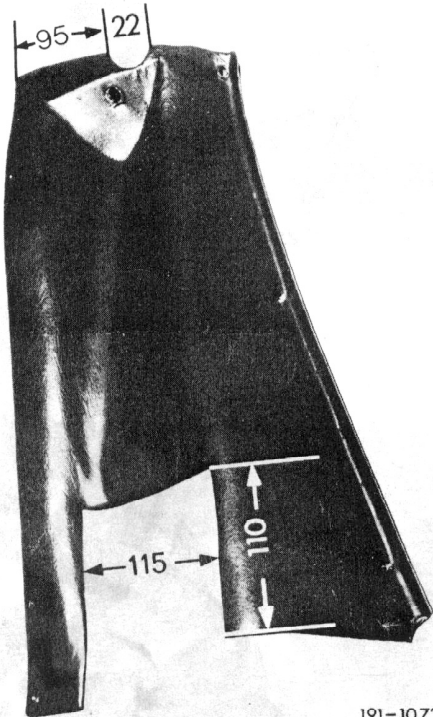


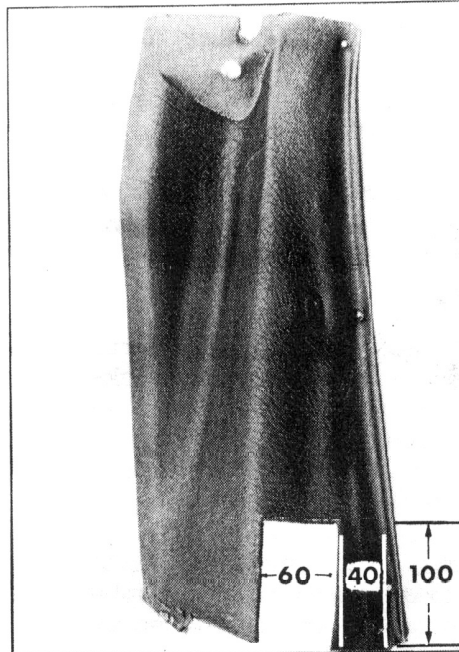
Figure 5 Forward facing side of "B-pillar"

13. Trim plastic covering according to mounting position (from step 10) of retractor (Figure 6).



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Figure 6 Version 1  
Retractor mounted at bottom of  
"B-pillar" (see also Figure 4)



Version 2  
Retractor mounted onto bracket on  
"B-pillar" (see also Figure 5)

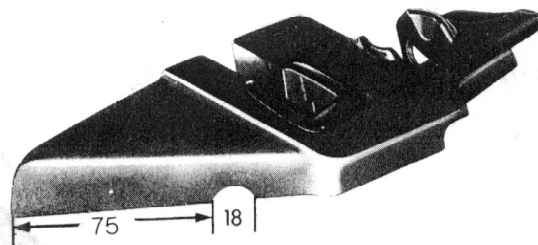
14. Reinstall plate and plastic covering.

15. Mount retractor assembly with 7/16"x30 screw.

15.1 Attach caps and align plastic "B" pillar cover so that belt does not rub against cover when the belt is being pulled out.

16. Reinstall lower halves of hard top locks.

16.1 Trim chrome cover plate according to Figure 7 and install.



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Figure 7 Cover plate

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17. Loosen and remove the carpet in the area of the rear tunnel.

18. Using modified threaded plate "b" as a template, mark and drill holes (2 and 3, 14 mm and 7 mm diameter, respectively) on the side of the transmission tunnel (Figure 8).

18.1 Mount threaded plate "b" from behind the tunnel with screw (3, Figure 8).

18.2 Re-glue the carpet back into place and punch out a corresponding hole (2) in the carpet for the buckle assembly.

19. Attach buckle assembly to transmission tunnel using the 7/16"x30 screw and press on trim cap.

20. Reinstall rear area carpet and/or rear jump seat. Trim carpet in area of automatic locking retractors if required.

21. Engage and release belt latch into buckle, ensuring that the belt moves freely without rubbing against any trim item.

22. Carefully fold soft top into storage compartment and install hard top.

or

22.1 Lower rear bow, inserting rear bow locking pin into the latching hole and secure.

Apply preservation wax to cavity in work area.

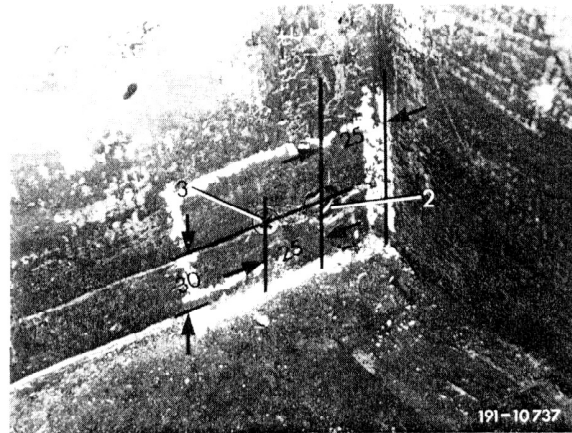


Figure 8

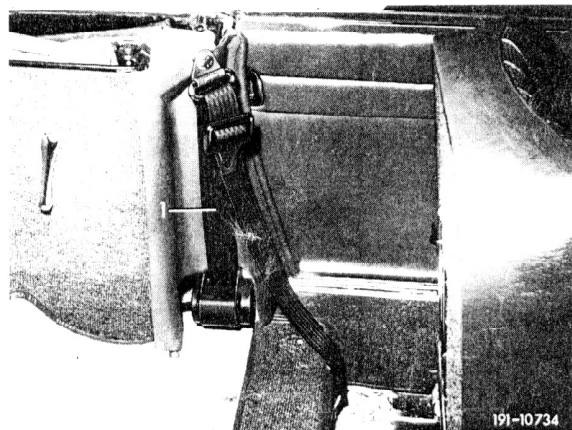


Figure 9 Retractor mounted on inward facing side of "B-pillar"

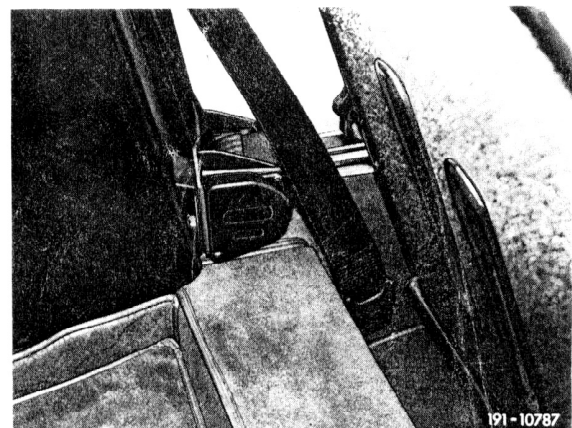


Figure 10 Retractor mounted on forward facing side of "B-pillar"

# Parts Information

Item 1)	Quantity	Part Name	Part Number
		MB zinc dust paint	000 986 34 42
		MB anti-corrosion wax, 1 liter	000 986 33 70
1	2 per car	Seat belt kit with retractor	114 860 23 85
Each kit <del>includes</del> : <i>must also have: order separately</i>			
2	6	Threaded plate <i>not incl. in kit.</i> (to be modified accordingly)	110 610 02 11
3	4	Screw, 7/16"x30	003 990 36 01
4	2	Holder	114 610 00 14
5	2	Strut (not shown in drawing)	115 623 00 19
6	6	Screw, M6x18	007985 006134
7	2	Trim cap	000 987 14 45

1) See drawing on following page for item reference.

## Equipment

Anti-corrosion wax      SATA HKD-1 Hollow cavity protection spray gun  
spray gun<sup>1)</sup>

<sup>1)</sup> Available through the MENA Standard Equipment Program



