

Value in motion



SERVICE BULLETIN

TS-S12



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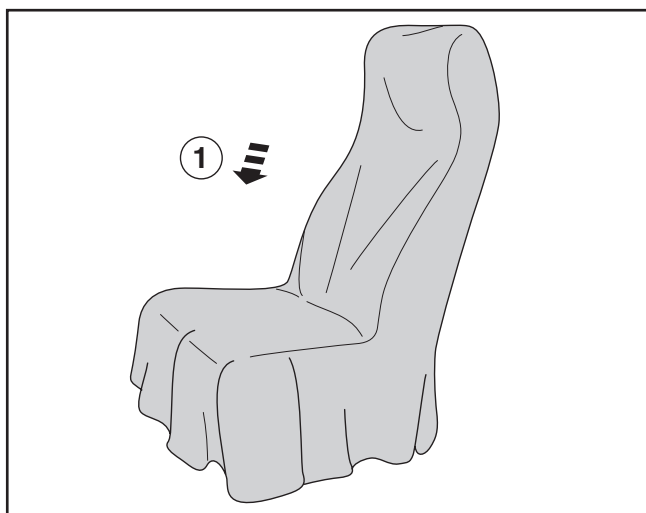
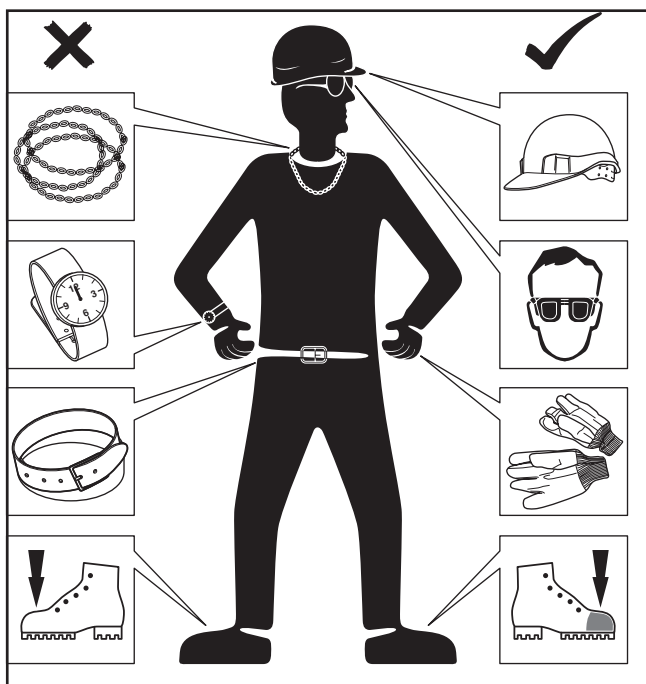
00 Foreword

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1. General Precautions

Please read the rules in this Section carefully; to avoid the risk of death, injury or property damage. Qualified and trained technicians should use The Service Bulletin. Making repairs or service without the adequate training and using inappropriate tools and equipment may cause injury and could damage the bus. Some of the procedures require specific tools designed for specific purposes, so use the tools mentioned in the manual when necessary.

Bus service and repair must be done correctly following the instructions to ensure the safety of the service technician and correct function of the bus. If a part must be replaced, the same part number or an equivalent part should be used. Pay great attention to use a replacement part of good quality.



2. Symbol List

Operating Instructions in this bulletin includes the following symbols, warning words and signs:



CAUTION

This symbol is used in conditions which may cause damage or injury if necessary measures are not taken.



WARNING

This symbol is used in conditions which may cause severe damage or fatal injury if necessary measures are not taken.



DANGER

This symbol is used to indicate danger.



VISUAL INSPECTION

This symbol is used to inform the user that a visual inspection is necessary.

3. Before Start of Work

3.1. Requested Dress Code for Mechanic

Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet. The illustration below shows some of the correct or incorrect clothing that should be worn during work.

Sharp edges should be avoided e.g belts, watches, necklaces to prevent catching the vehicle.



WARNING

Dress correctly to avoid injury and damage to the vehicle.

3.2. Protect Seats When Mechanics Start Working

1. Seats, trimming, upholstery stuff and carpeting should be protected with appropriate coverings.

01 Bulletin Information

Bulletin Type Service Campaign
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Vehicle Model TS 35
Flat Rate Code TS-S12
Flat Rate Time 16 Hours

SUBJECT

Insufficient number of emergency exits

SUMMARY

The buses may have one too few emergency exits on each side of the bus. The buses which have two emergency exit windows on each side will be installed a third emergency exit window on each side. The buses with three emergency exit windows on each side will not be modified.

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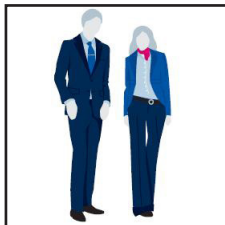
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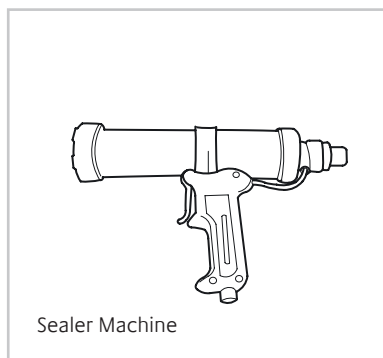
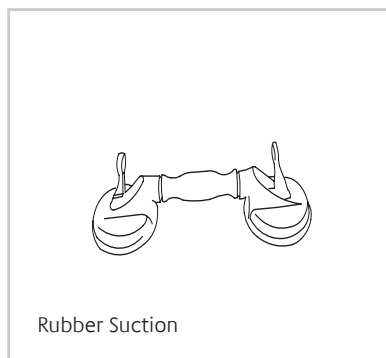
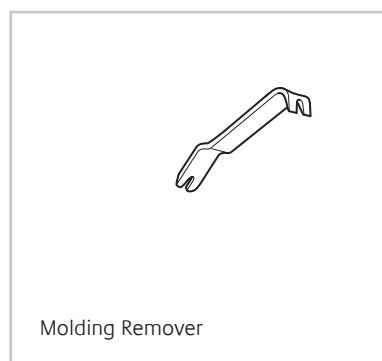
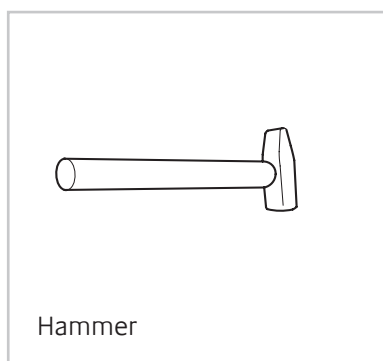
02 Tools

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1. General

- If work is performed by people who do not have the necessary training to carry out the work or if this information is handled carelessly or totally ignored, this may result in severe injury and/or death. In addition, serious damage to the vehicle may occur.
- Always read the safety instructions in full before starting certain operations. The safety instructions stipulate which aspects must be considered to achieve maximum safety. The information is given that is very important for health and safety.
- Always work in adequately ventilated rooms with sufficient lighting, free from dirt and clutter. Never leave tools or parts lying around, keep away from (high-) voltage sources that present a risk of short-circuiting. Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet.
- Tool list below is a recommended list. It is not a must to use the exact same tools.

2. Tools (Recommended)

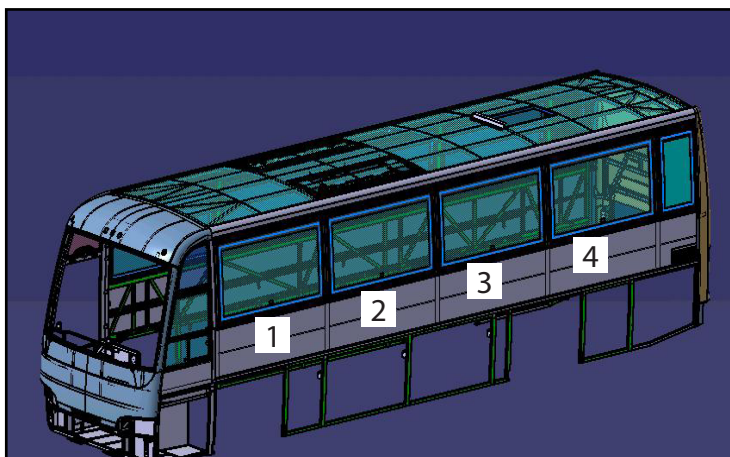


03 Parts List

Installed Part List

	Part No	Part Name	Qty.
1	RP241123Y	SIDE WINDOW ASSEMBLY (EGRESS)	2
2	SM-54Y	SEALER (TEROSTAT MS939 570 ML)	1
3	SM-07Y	SEALER, TEROSTAT 8599,BLACK, 310 ML	1
4	SM-57Y	PRIMARY PAINT, (TST 8517 H 500 ML, HENKEL)	1
5	TM900000Y	AKTIVDEOR, SIKAFLEX, BLACK, 1000ML	1
6	SM-70Y	TOOLING AGENT, SIKAFLEX, 1000ML, TRANSPARENT	1
7	RP350191Y	LABEL, EMERGENCY EXIT	2
8	TY350173Y	LABEL, EMERGENCY EXIT	2
9	RP350189Y	LABEL, EMERGENCY EXIT	2
10	RP350195Y	LABEL, EMERGENCY EXIT	2

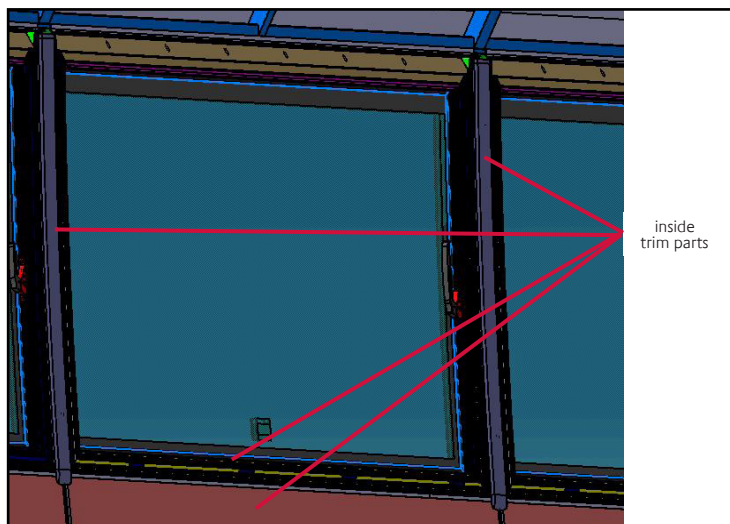
04 Technical Instructions



ATTENTION

The buses with three emergency exit windows on each side will not be modified.

Choose the windows, which are not emergency exit window, among 2nd, 3rd and 4th windows as it is shown in picture and replace them with emergency exit windows.



1. Demount interior panel, curtain and pillar cover.

Photo 1

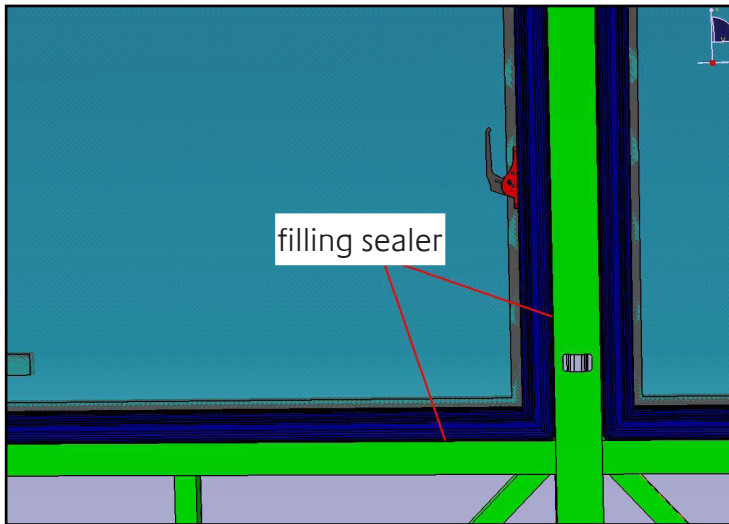


Photo 2

2. Remove accessible filling sealer between window frame and profile with cutter.



Photo 3

3. Cover vehicle exterior and the other windows with card-board in order to prevent any damage.



Photo 4

4. Before breaking the glass, cover the outer and the inner side of the window with tape in order to prevent the glass from shattering.



Photo 5

5. Detach the glass from frame by breaking it.

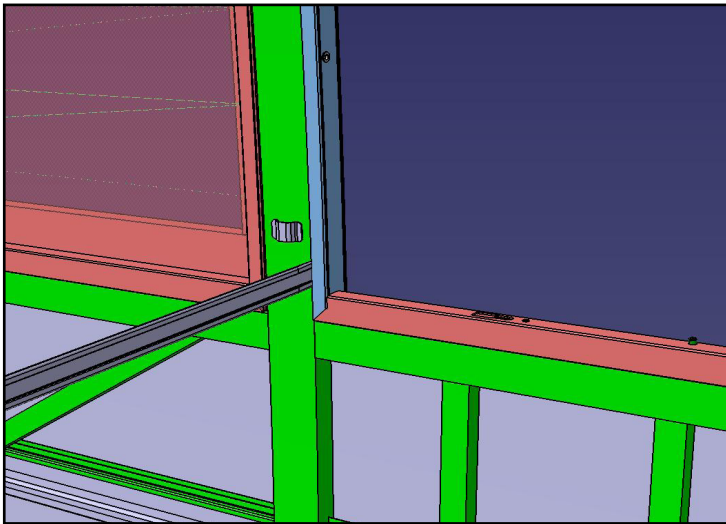


Photo 6

6. Insert lever in between the window frame and body profile and remove the window frame by applying force to lever.



Photo 7



Photo 8

7. Remove sealing residue on body profiles.

8. Clean body profiles by using TM900000Y. And apply SM-57Y on to surfaces of profiles to be sealed.

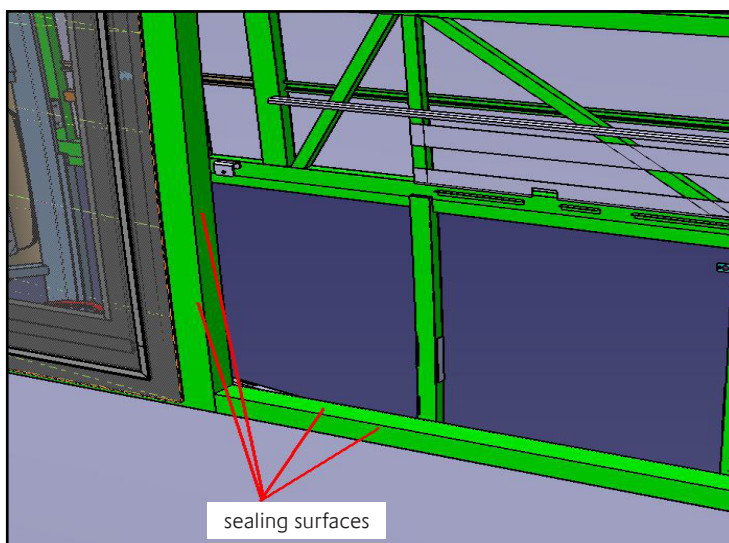


Photo 9

9. To prevent sealer splashing, surfaces to which sealer is not to be applied should be covered with paper tape.

10. Apply sealer to edges of body profiles since sealer is diffusing much better on contact surfaces while placing window frame.

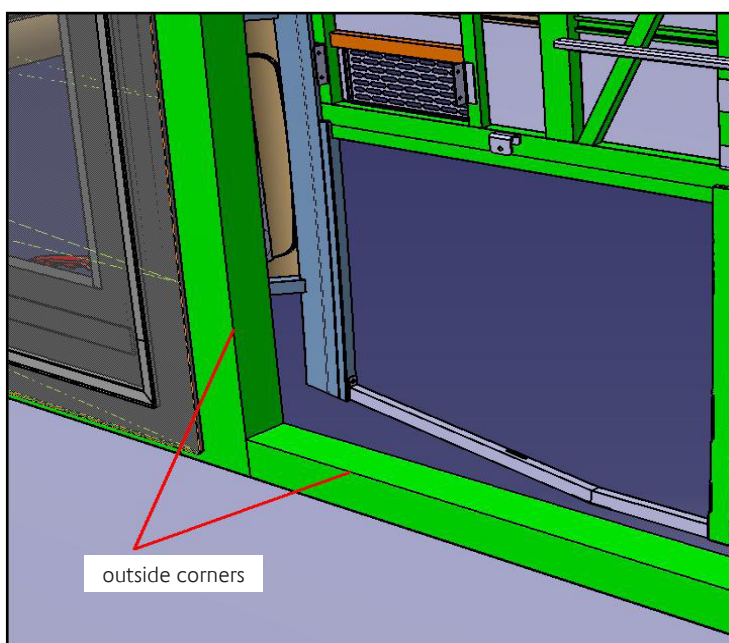


Photo 10

11. Before the sealer dries, the window must be aligned with respect to other windows.

12. Fill inner and outer spaces in between window frame and profiles with SM-54Y.

13. Remove masking tapes and sealer residue. Sealer defects could be recovered with SM-70Y.



WARNING

Sealer curing duration is approximately 5 hours.

14. Reassemble inside trim parts.

15. Install emergency exit label (RP350191Y) on the window as shown in the picture.

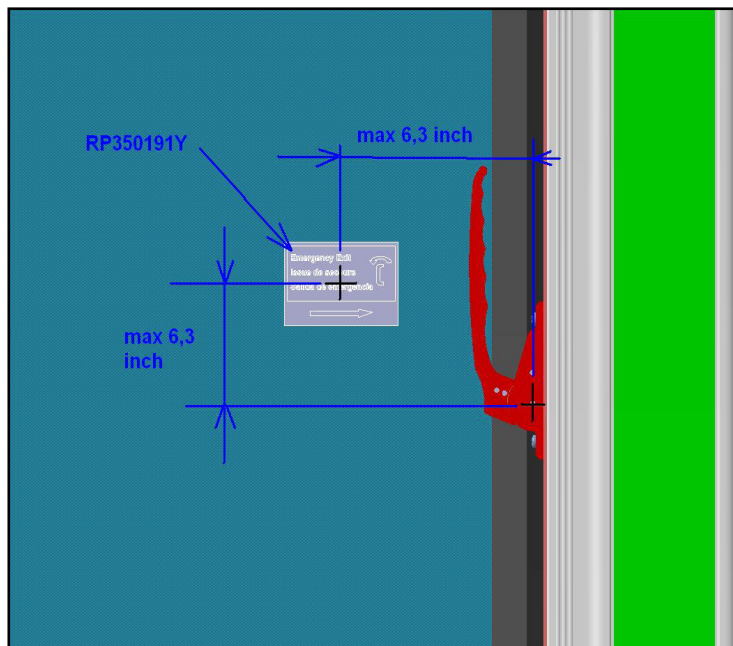


Photo 11

16. Stick the labels within the passenger occupant space as it is shown in photo 12. Photo is just for illustration.

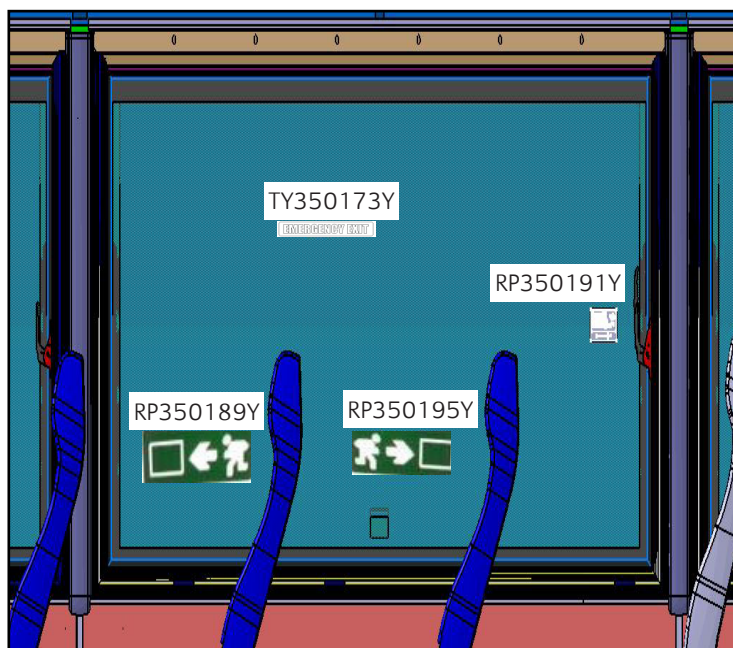


Photo 12

17. Stick the labels within the passenger occupant space as it is shown in photo 13. Photo is just for illustration.

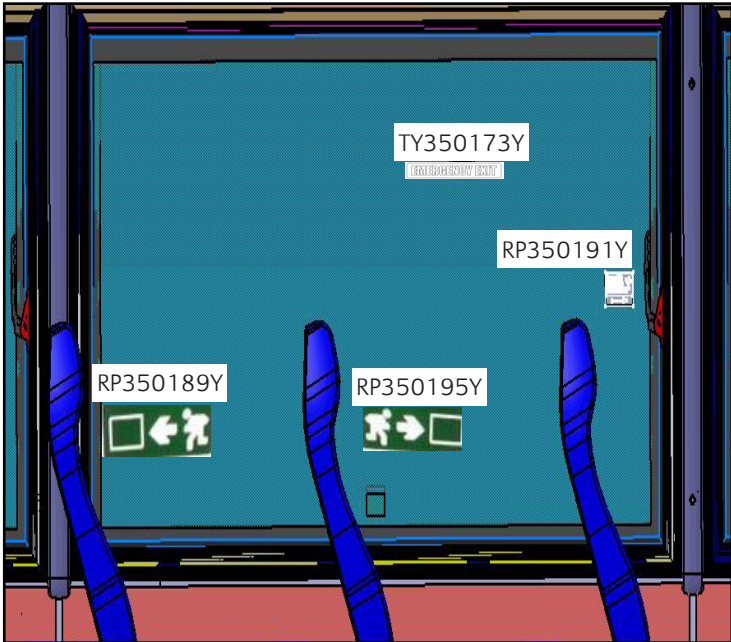


Photo 13



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Stamp

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