TOYOTA SERVICE BULLETIN

Group: 09 No.: 01 Date: Feb, 18

Model: Echo, RAV4, Corolla, Yaris, Avensis & Rukus

Subject: Repair Manual Revision – Takata Airbag End of Life Disposal Procedure

This repair manual revision does not apply for vehicles being actioned as part of the Takata Airbag inflator safety recall campaign.

For vehicles actioned and involved in the Recall, Toyota Dealers must return all airbag inflators to TMCA QADRAN in a non-deployed state and placed into original packaging.

This Service Bulletin has been issued to inform repairers of Toyota vehicles of the revised Repair Manual procedure for Takata airbag end of life disposal for Echo (NCP10/13), RAV4 (ACA22/23), Corolla (ZZE122/123) & ZRE152/153), Yaris (NCP90/91/93), Avensis (ACM20/21) & Rukus (AZE151) model vehicles.

This does not change the return process for Recall Replaced Parts.

Checking for Safety Recall Campaign vehicles

Toyota Dealers:
Toyota Dealers can check for all safety recalls by entering the Vehicle Identification Number into WINPAQ and checking the vehicle enquiries screen.

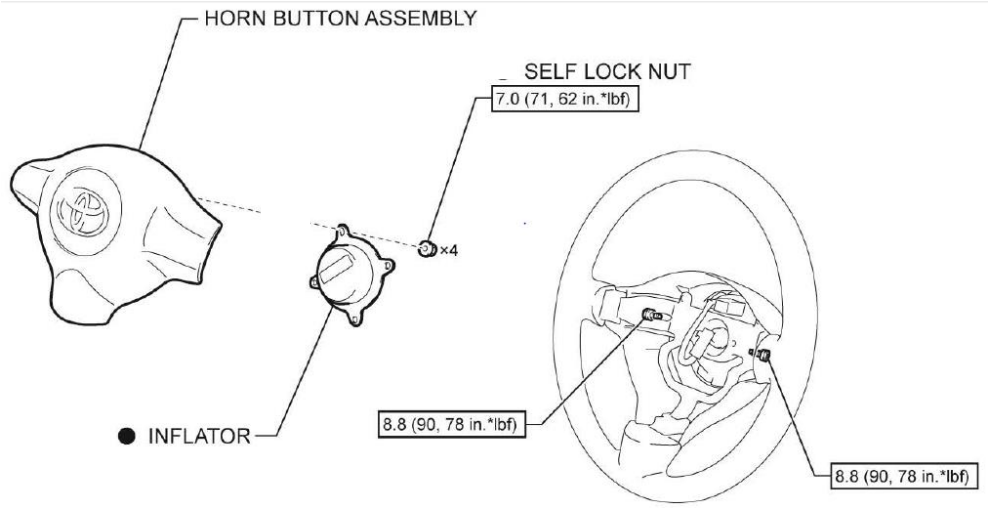
Other than Toyota Dealers:
The vehicle can be checked for outstanding Takata airbag inflator related recalls on the internet by checking on the "Toyota Takata Recall" site and inputting the vehicles 17 digit Vehicle Identification Number (VIN).

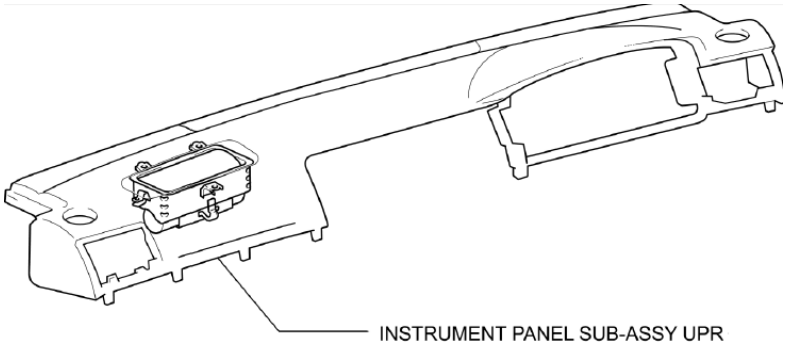
http://recalls.toyota.com.au
Or the Australian Government WEB site for all other recalls.
https://www.productsafety.gov.au/news/takata-airbag-recalls-affecting-australian-consumers

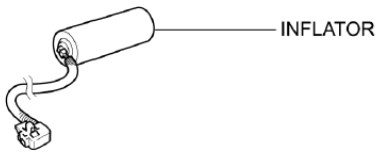
If you find that the vehicle may be involved in Safety Recall please arrange for or request that your customer contacts their preferred Toyota Dealer who can confirm the vehicle involvement in a safety recall and schedule their vehicle for rectification, which will be performed free of charge.
Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference to the relevant repair manuals of the above listed models.

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Driver side and Passenger side front airbag inflators







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Deployment of Airbag Inflator when not in vehicle.

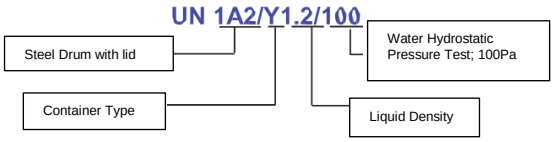
Always follow the detail instructions in the relevant Repair Manual with reference to Notice, Cautions and Hints prior to any Disassembly and Disposal of the airbag components.

Further to the above, we provide the following revised Procedure for deploying the Airbag Inflator on vehicles specifically involved in the Takata Safety Recall Campaign.

Revised Procedure for Deployment of Airbag Inflator

Preparation

1. 200 Litre Steel Drum

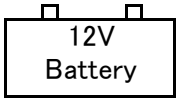




2. Lid for Drum (with two 51mm holes)
3. Locking Ring (with bolt)
4. Sand







5. 12 V Battery (fully charged).
6. One 20m (approx.) length of Insulated electrical (intermediate cable) wire. (Conductor area: 0.75 ~ 1.25mm^2).



7. Insulating tape (electrical).
8. Heat Resistant Gloves, Helmet, Safety shoes, Wire Stripper.







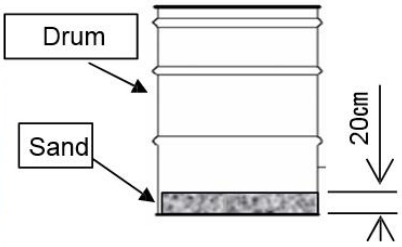


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Deployment Method

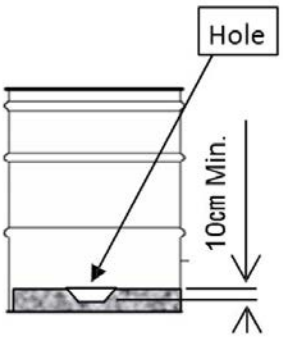
1. Put sand of approx. 20cm in depth in the drum.





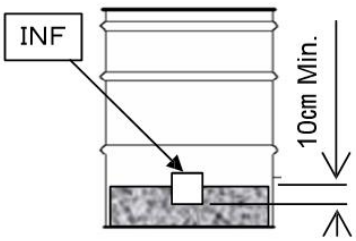
2. Make a hole of approx. 10cm in depth the middle of the sand.





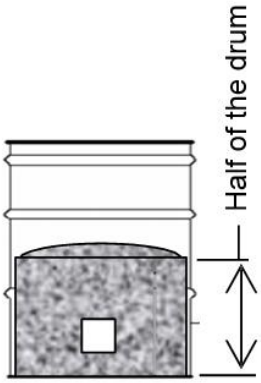
3. Place the Airbag (Single Stage) Inflator in the hole.





4. Bury the inflator completely by half filling the drum with sand.

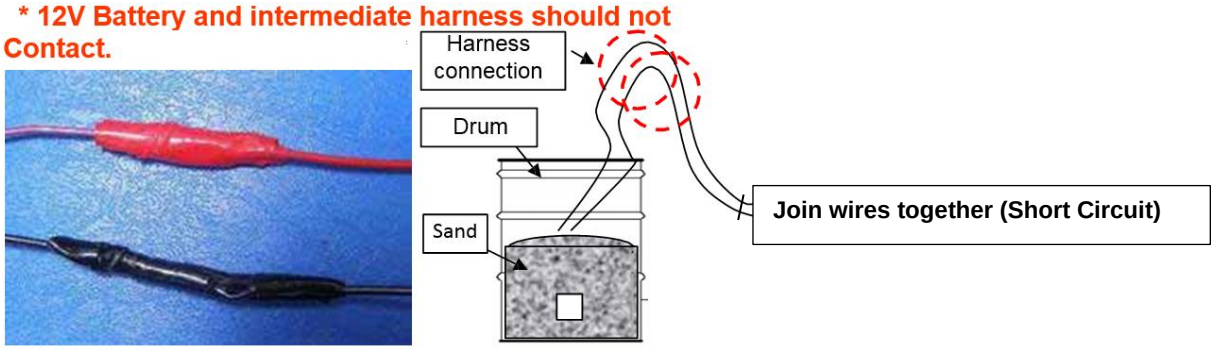




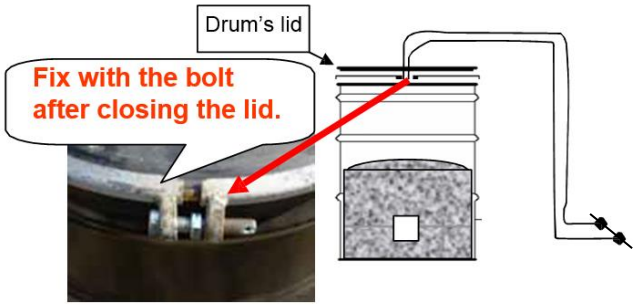
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5. For safety, first join the intermediate cable wires together at one end (short Circuit) and then proceed to connect the wires at the other end individually to each wire on the inflator. Apply electrical insulation tape to each connection and then pass them through the bung hole of the lid.

    - This operation should be conducted by one person to avoid any potential ignition to the inflator.
    - Make short circuit on intermediate cable wire (battery side).
    - Keep inflator with intermediate cable away from electrical source like 12V battery.
    - Ensure all personnel are cleared from the deployment area.

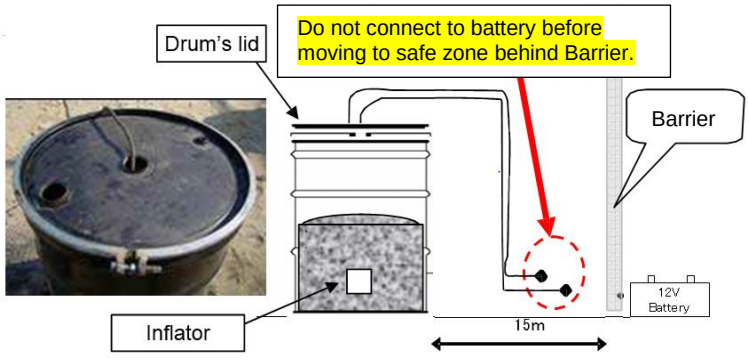


6. Close the lid of the Drum. (Fix lid with ring and tighten bolt.)



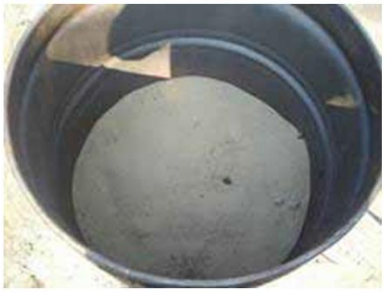
7. Move to the Safe Zone behind a protective barrier. Prior to connecting the intermediate cable wires to the battery terminals check that there is nobody within the area.
   Note: At the time of ignition listen for a sound (small pop). If there is no sound after ignition the ignitor may have misfired. Leave it for 30 minutes and do not disturb the inflator.

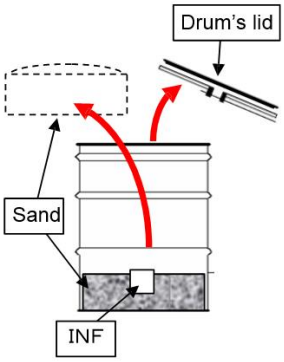
   Since the inflator may auto ignite when it is hot, it is considered dangerous to your safety to approach a misfired condition before 30 minutes has elapsed. If this precaution is not taken, injury or death could result. When safe to do so, check the wiring connection at the intermediate W/H and repeat this step. If it still fails to ignite contact Toyota Motor Corporation Australia.



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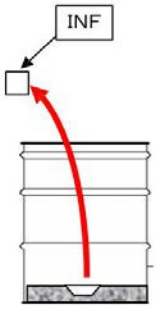
8. Remove the lid, allow smoke to escape and empty about half of the sand from the drum.





9. Remove the deployed inflator from the sand using heat resistant gloves. Take care as it is very hot.



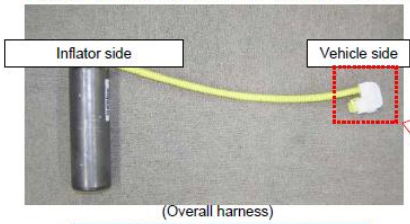


10. Dispose of deployed inflator as per local regulations.

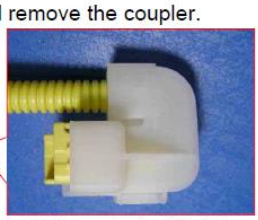
Method for intermediate cable wire connection

Order of connection

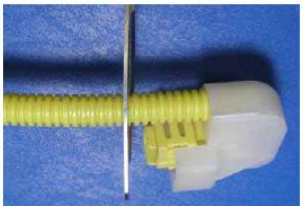
No.1: Cut the harness of vehicle side and remove the coupler.



(Overall harness)



(Cut the coupler of vehicle side)

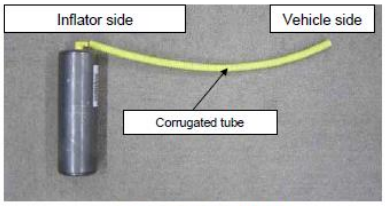




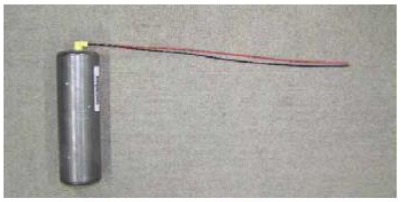
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Order of connection

No.2: Remove the corrugated tube and peel the harness coating.



(After completion of No.1)



(After removal of corrugated tube)



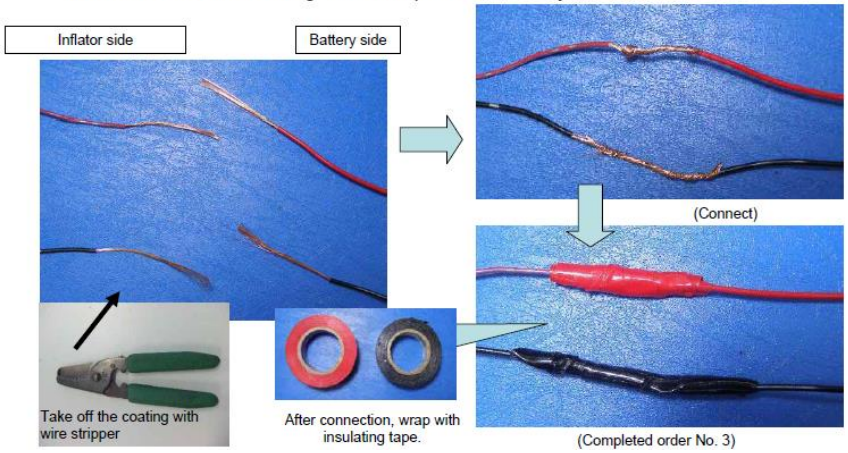
(Peel the end of coating)



(Completed order No.2)

Order of connection

No.3: Connect the coating removed part and battery.



(Completed order No. 3)

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Summary



Do not connect the intermediate electrical W/H to the battery until it is safe to do so.

Move to a protected location more than 15m from the drum.

Dispose of deployed inflator as per local regulations.

- Dispose/deploy only one inflator at one time.
- Please conduct this operation by one person to avoid accidental deployment.
- Please check there is nobody around when connecting to the battery.
- In addition, please move behind a barrier for safety.
- The inflator once deployed is very hot. Please wear heat-resistant glove when handling.
- Please replace drum or lid if a crack or deformation can be seen on drum or lid after the operation.
- The sand will be reduced after every disposal. Please refill each time.
- If there is no sound after the battery ignition, it may have misfired. Therefore please leave it for 30 min. and do not disturb. After 30 min. have past, please check the intermediate W/H connection. Repeat the ignition step. If it still no ignition, please let us know.
- Please store unprocessed parts in a safe place indoors such as warehouse. Avoid high temperature, fire, static electricity, etc.

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