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Southeast Toyota Distributors, LLC

# Attention

This is an important Safety Recall which was initiated by Southeast Toyota Distributors, LLC.

If you are in Florida, Georgia, Alabama, South Carolina, or North Carolina, please refer to SET Dealer Daily to obtain instructions on how to complete this repair and submit a warranty claim.

**Toyota Dealerships outside of Florida, Georgia, Alabama, South Carolina or North Carolina**

SET will reimburse you for the repairs outlined in the following procedure. For repair authorization and parts ordering, please contact Southeast Toyota Distributors, LLC toll free at 1-888-851-2722 and select the option six (6) for campaign support.

Thank you for your continued support.

Southeast Toyota Distributors, LLC

**TECHNICAL INSTRUCTIONS**  
**FOR**  
**VOLUNTARY SAFETY RECALL CAMPAIGN SET17B**  
**SET ACCESSORY HOOD SCOOP MODIFICATION**  
**CERTAIN 2011-2016 MODEL YEAR TACOMA AND 4RUNNER**

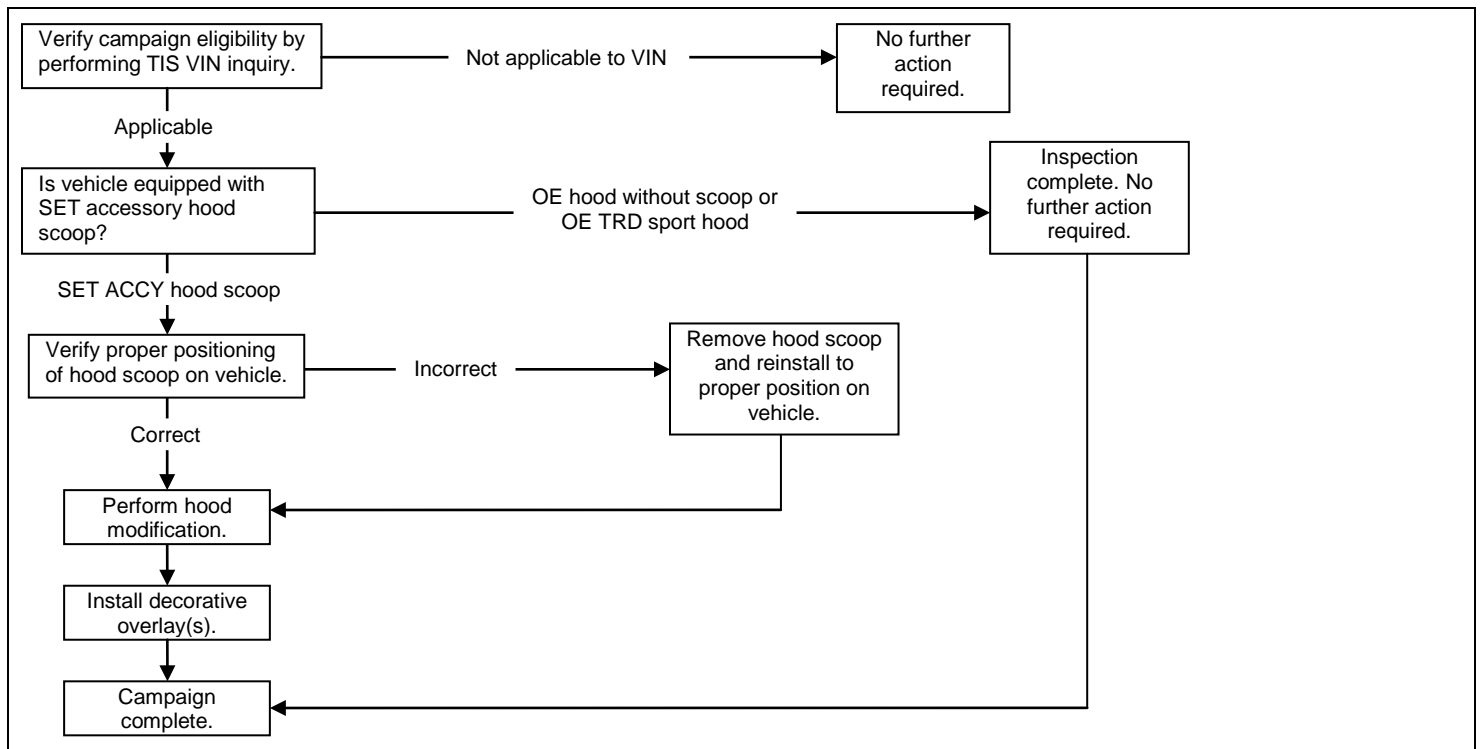
The repair quality of covered vehicles is extremely important to Southeast Toyota. All dealership technicians performing this repair are required to successfully complete the most current version of the E-Learning course "Safety Recall and Service Campaign Essentials". To ensure that all vehicles have the repair performed correctly; technicians performing this repair are required to currently hold at least one of the following certification levels:

- **Toyota Expert (any classifications)**
- **Master**
- **Master Diagnostic Technicians**

It is the dealership's responsibility to select technicians with the above certification level or greater to perform this repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

## OPERATION FLOW CHART

Certain 2011-2016 Model Year 4Runner and Tacoma Vehicles



## BACKGROUND

SET either installed or sold to dealers to install accessory hood scoops for 2011-2016 Toyota Tacoma and 4Runner vehicles. The hood scoop is attached directly to the vehicle hood with double sided adhesive tape specifically designed for automotive applications such as hood scoops and body side moldings. SET has determined that over time the adhesive backing on the tape may degrade reducing adhesion to the hood which could lead to detachment of the hood scoop from the vehicle and increasing the risk of a crash for following traffic.

## IDENTIFICATION OF AFFECTED VEHICLES

Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this SSC and that the campaign has not already been completed prior to dealer shipment or by another dealer.

**Southeast Toyota warranty will not reimburse dealers for repairs conducted on vehicles that are not affected or were completed by another dealer.**

## PREPARATION

**A. PARTS**

- If you are a dealer outside of the SET region, please contact the SET accessory department at (888) 851-2722, press 6 for recall support or email [Accessory.Warranty@SETToyota.com](mailto:Accessory.Warranty@SETToyota.com)

**Required for all vehicles**

Part Number	Part Description	Quantity
00016-35140-89	Hood scoop overlay- mesh design	1
00016-35140-99	Hood scoop modification hardware kit	1
<i>Contents of 00016-35140-99 hardware kit</i>	#10-32 x 3/4in counter sunk flat head screw	2
	Stainless steel #10-32 nyloc nut	2
	Stainless steel #10 washer	2
	Drill template	1
	3/8, 82deg Counter sink bit	1

**Additional parts required pending inspection of vehicle.**

Part Number	Part Description	Note	Quantity
00016-35140-50	Hood scoop tape kit	Required should scoop position found to be incorrect. <i>Reference step 3</i>	1
00016-35140-60	Hood scoop grille insert- mesh design	Required for hood scoops installed prior to September 2014. <i>Reference step 15</i>	1

**B. TOOLS AND SHOP SUPPLIES**

- 3/8 drill
- center punch
- 1/4in drive ratchet
- 50/50 alcohol & water mix
- Plastic scraping tool
- 3/32in drill bit
- small hammer
- screw driver wrench
- tape measure
- 3M general adhesive cleaner
- 3/16in drill bit
- 1/4in drive 3/8in socket
- silicone sealant
- shop towels

**SET WARRANTY REIMBURSEMENT**

Model(s)	Op. Code	Description	Flat Rate Hour
2011-2016 4Runner and Tacoma	AR17B1	Inspection Only- not equipped with accessory hood scoop	0.2

2011-2016 4Runner and Tacoma	AR17B2	Perform hood modification	0.7
2011-2016 4Runner and Tacoma	AR17B3	Reposition hood scoop and perform hood modification	1.5
2011-2016 4Runner and Tacoma	ASB011	Overlay installation (see <b>Note 1</b> )	0.2

**Note 1:** Use ASB011 should a second repair order be needed for decorative overlay installation at later date due to part availability.

	Inspection Only	Hood scoop modification	R&R hood scoop and perform modification
<b>Flat Rate Hour</b>	0.2	0.7	1.5
<b>Op. Code</b>	AR17B1	AR17B2	AR17B3
<b>Failed Part</b>	00016-35140	00016-35140	00016-35140
<b>Replacement</b>	N/A	00016-35140-99 and 00016-35140-89 If needed- 00016-35140-60	00016-35140-50, 00016-35140-99, and 00016-35140-89 If needed- 00016-35140-60
<b>T1 / T2</b>	99 / 99	99 / 99	99 / 99
<b>Sublet</b>	N/A	N/A	N/A
<b>Condition</b>	Recall SET17B	Recall SET17B	Recall SET17B
<b>Cause</b>	Recall SET17B	Recall SET17B	Recall SET17B
<b>Remedy</b>	SET17B Vehicle not equipped with SET Hood Scoop	SET17B Hood scoop modification	SET17B R&R hood scoop and perform modification

- The flat rate times include 0.1 hours for administrative cost per unit for the dealership.
- **If you are a dealer outside of the SET region, please contact the SET accessory department at (888) 851-2722 for claim payment instructions.**

## COMPONENTS



## WORK PROCEDURE

1. Verify campaign eligibility by performing VIN inquiry on TIS.
2. Inspect the hood of vehicle for SET accessory hood scoop.

- a. Vehicle equipped with TMS TRD sport hood scoop. (Fig. 1)

Inspection complete. No further repairs.



- b. Vehicle is not equipped with hood scoop. (Fig. 2)

Inspection complete. No further repairs.



- c. Vehicle equipped with SET Accessory hood scoop. (Fig. 3)

Proceed to step 3 for hood modification procedures.



3. Verify hood scoop is properly positioned on vehicle's hood.

- a. Measure distance from center front of hood scoop to the center front of hood. (Fig. 4)

Tacoma vehicles must measure between 9 ¾ and 10 ½ in.

4Runner vehicles must measure between 15 ¾ and 16 ½ in.



- b. Using the hood scoop opening as a reference point on scoop, measure distance from left edge of hood scoop to the left edge of hood. (Fig. 5)

Tacoma and 4 Runner vehicles must measure between 29 ¾ and 20 ½ in.

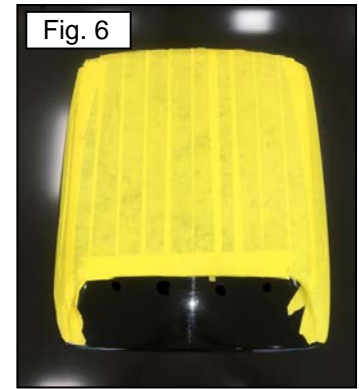


- If the above measurements are as indicated, proceed to step 5 on page 7 for the hood modification procedure.
- Should the above measurements not be as indicated the hood scoop will need to be removed, cleaned and reinstalled using tape kit PN- 00016-35140-50 as outlined in steps 4

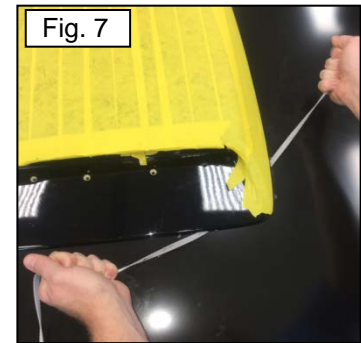
4. Hood scoop removal and reinstallation.

**NOTE:** Steps listed here should only be performed if the hood scoop was found to be mispositioned. Care should be taken not to damage the finish of the hood or hood scoop during these steps. Tape kit 00016-35140-50 is required for this section.

- a. To protect finish in next steps cover the hood scoop with masking tape. (Fig. 6)



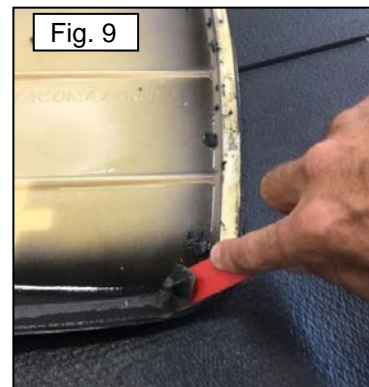
- b. Remove Hood Scoop using a non abrasive string. Start at a corner working the string in a sawing motion. Work string around hood scoop until it lifts from hood.



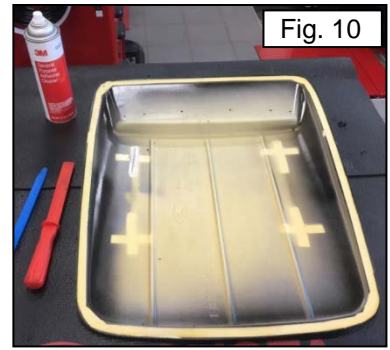
- c. Lay hood scoop upside down on a clean soft fender cover. Apply 3M general adhesive cleaner or equivalent to tape residue. (Fig. 8).



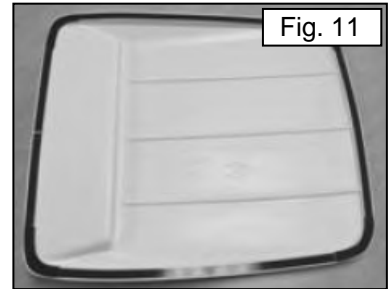
- d. Using a non-gouging plastic tool, Scrape the large pieces of tape from the hood scoop. (Fig 9.)



- e. Using rag wipe adhesive residue from the scoop using shop rag. No tape residue should be visible when complete. (Fig 10.)

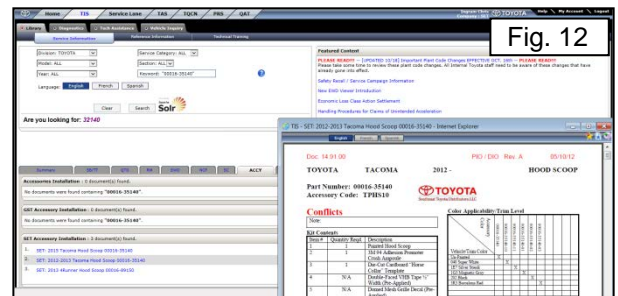


- f. Apply 00016-35140-50 tape to hood scoop.



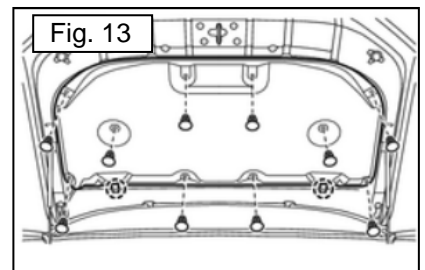
- g. Clean all adhesive residue from hood using 3M general adhesive cleaner or equivalent. Clean remaining residue with 50/50 alcohol and water solution. Allow to dry.

- h. Reference vehicle specific SET accessory installation instructions as listed in the "ACCY" tab of TIS for application of hood scoop to vehicle. (Fig. 12)

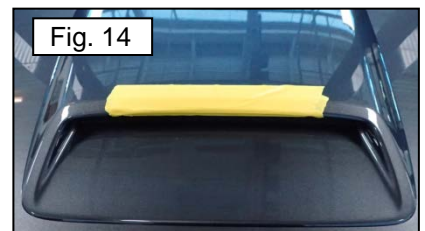


- 5. Remove the hood insulator if equipped. (Fig. 13)

- a. Using a clip remover, remove the 10 clips.
- b. Detach the 2 claws and remove the hood insulator.



- 6. Apply 2 layers of protective tape to the upper leading edge of hood scoop to protect paint from drill contact. (Fig. 14)





- Align the drill template in the hood scoop opening. Use a center punch and hammer to mark the 2 drill hole locations. (Fig. 15)



- With hood *closed*, using a drill and a 3/32in drill bit drill pilot holes through the hood scoop and hood in the 2 marked locations. (Fig 16)

**Note:** Use caution not to allow the drill to move out of position. Use light pressure and do not allow the drill chuck to contact the hood scoop.

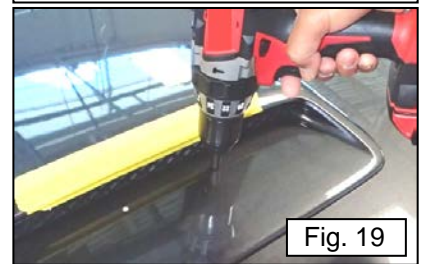


- With hood *open*, locate the pilot holes drilled in step 11, using a drill and a 3/16in drill bit, drill the two pilot holes to 3/16 size. (Fig.17)



- With hood *closed*, using a drill and the supplied 3/8 82deg counter sink bit (Fig. 18). Slowly counter sink the holes in the hood scoop (Fig.19) while periodically checking the size by test fitting screw in hole.

**Note:** Use caution not to allow the drill to move out of position. Use light pressure and do not allow the drill chuck to contact the hood scoop.



When complete the counter sunk hole should be approximately the same size as the screw head and the screw head should be flush with hood scoop surface (Fig. 20).



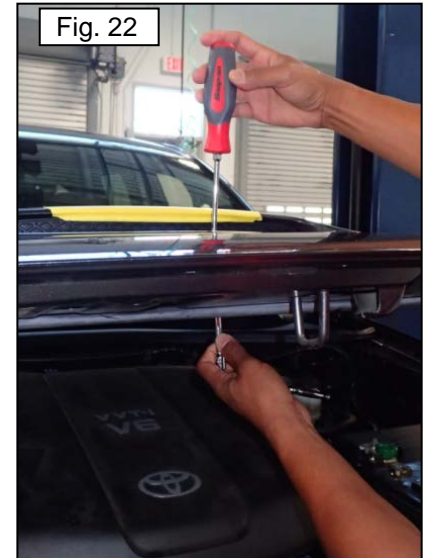
- Using a vacuum, remove chips from the hood and holes.

12. With hood open, locate the 2 3/16in holes. Apply silicon sealant or equivalent to exposed metal areas. (Fig. 21)



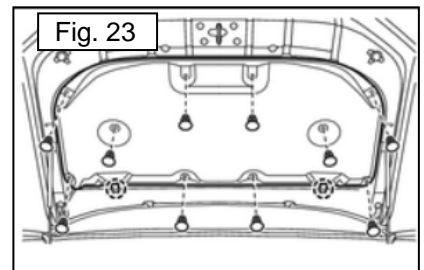
13. Prop hood partially open, Install screws through hood scoop and then start the threads of the nyloc nut and washers under hood. (Fig. 22)

Tighten until the nyloc nut contacts the hood, then apply 1/2 rotation. Do not overtighten.



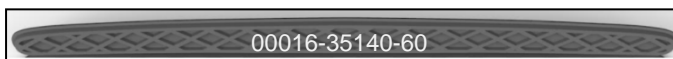
14. Reinstall hood insulator if equipped. (Fig. 23)

- a. Attach the 2 claws.
- b. Install the hood insulator with the 10 clips.

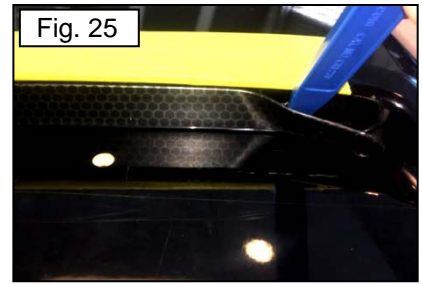


15. Hood scoop grille mesh insert.

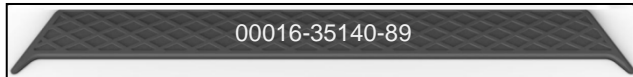
- a. Inspect the hood scoop insert (Fig. 24).
  - If hood scoop insert has mesh design, as shown, Proceed to step 16 for overlay installation.
  - If hood scoop insert design does not match image shown, follow steps 15 b. – 15 d. to replace hood scoop insert with 00016-35140-60 before installing overlay.



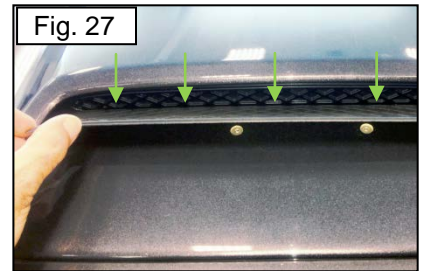
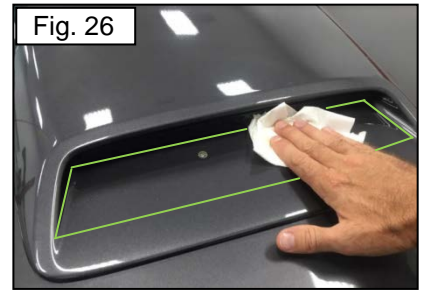
- b. Protect scoop with tape. Using a plastic pry tool, remove hood scoop decal. (Fig. 25)
- c. Clean adhesive residue from hood scoop surface using 3M general adhesive cleaner or equivalent. Wipe surface clean using 50/50 alcohol and water mix. Allow surface to dry.
- d. Remove backing from new grill opening graphic, 00016-35140-60, to expose adhesive backing and install into hood scoop opening.



16. Hood scoop overlay installation.



- a. Clean hood scoop area with 50/50 alcohol and water mixture to remove any contamination. Allow area to dry. (Fig. 26)
- b. Remove backing from hood scoop overlay, 00016-35140-89, to expose adhesive backing.
- c. With the trailing edge of the overlay tilted downwards, Position overlay against the hood scoop grille opening graphic. Verify overlay is centered and in contact with the hood graphic as shown in Fig. 27.
- d. Press overlay flat to hood scoop. Apply pressure to ensure adhesion of overlay to hood scoop. (Fig. 28)



- 17. Repairs complete. Clean all residue from vehicle and return to customer.

# APPENDIX

## A. CAMPAIGN DESIGNATION DECODER

