 <b>HYUNDAI</b> <b>Technical Service Bulletin</b>	GROUP <b>CAMPAIGN</b>	NUMBER <b>25-01-058H</b>
	DATE <b>SEPTEMBER 2025</b>	MODEL(S) <b>SANTA FE (MX5A) SANTA FE HYBRID (MX5A HEV)</b>
<b>SUBJECT:</b> POP, TICK, OR CREAK NOISE FROM RIGHT FRONT SUBFRAME MOUNTING STUD (SERVICE CAMPAIGN 9C4)		

**\* IMPORTANT**

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the “Vehicle Information” screen via WebDCS to identify open campaigns.

**Description:** Certain Santa Fe (MX5A) and Santa Fe Hybrid (MX5A HEV) vehicles may produce a “pop”, “tick”, or “creak” noise from a missing weld on the mounting stud of the right front subframe while driving. The vehicle’s structural integrity is maintained even with a missing weld; however, drivers may report an abnormal noise coming from the affected area during certain driving scenarios. This bulletin describes the procedure to inspect, and if necessary, repair the missing weld on the mounting stud to eliminate the noise.

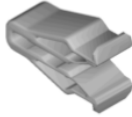




**Applicable Vehicles (Certain):**

Model Year	Model	Production Dates
2025	Santa Fe (MX5A)	05/04/2025 – 05/15/2025
	Santa Fe Hybrid (MX5A HEV)	05/02/2025 – 05/14/2025



**SUBJECT:** POP, TICK, OR CREAK NOISE FROM RIGHT FRONT SUBFRAME MOUNTING STUD  
(SERVICE CAMPAIGN 9C4)

**Parts Information:**

Model	Part Name	Part Number	Figure	Remarks
Santa Fe (MX5A)	Clip-Trim Mtg	84747-2L000		Replace if broken. Qty: 6 per side
Santa Fe Hybrid (MX5A HEV)	Clip-Side Garnish Mtg	87716-2W000		Replace if broken. Qty: 12 per side
	Clip	14206-08250B		Replace if broken. Qty: 4

**NOTE:** Dealers will be reimbursed via sublet as noted below for any clips, regardless of replacement or **NOT**.

**Required Equipment/Supplies (for Body Shop use during Sublet Weld Repair):**

Model	Equipment/Supply #	Figure	Remarks
Santa Fe (MX5A)	Shielded Metal Arc (Stick) Welder		Body shop standard equipment
Santa Fe Hybrid (MX5A HEV)	PPG OneChoice Gray Spray Etch Primer (SXA1031)		To be sourced by body/paint repair shop during sublet

**SUBJECT:** POP, TICK, OR CREAK NOISE FROM RIGHT FRONT SUBFRAME MOUNTING STUD  
(SERVICE CAMPAIGN 9C4)

**Warranty Information:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Santa Fe (MX5A)  Santa Fe Hybrid (MX5A HEV)	50DA27R0	Dynamic Inspection for Noise from RH Front Subframe Mounting Stud	0.3 M/H	64661-P2000	Q55	ZZ8
	50DA27R1	Dynamic Inspection for Noise and Visual Inspection for Weld Presence on RH Front Subframe Mounting Stud	1.8 M/H			
	50DA27R2	Dynamic Inspection for Noise (2X), Visual Inspection for Weld Presence, and Sublet Weld Repairs on RH Front Subframe Mounting Stud	2.4 M/H			

**NOTE 1:** Submit 2 or 3 claims as needed:

1. Submit one claim as "Campaign" type from the op code listed above based on the inspection conducted. The Op Time includes reassembly of the vehicle.
2. Submit a 2nd claim as "Warranty" type using the same repair order as the Campaign claim. Include all sublet items under Op Code 64661AZZ with the following information:

Repair Order	Op Code	Sublet Code	Nature Code	Causal Code	Causal Part
Same as Campaign claim	64661AZZ	W1	Q55	ZZ8	Same as Campaign claim

3. If a rental is required, submit a Rental Claim using the same repair order number as the Campaign claim.

**NOTE 2:** This TSB includes repair validation photos. Op times include VIN, mileage, and repair justification photos as outlined in the Digital Documentation Policy. If the passenger-side front subframe mounting stud needs to be welded, a final itemized invoice of the sublet repair from the 3rd party body shop is required during submission of the corresponding warranty and campaign claims.

**NOTE 3:** If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work. This claim must be submitted separately from those noted in the Note 1 section above.

**NOTE 4:** Operation codes 50DA27R1 and 50DA27R2 will reimburse \$2.50 for any clips that need to be replaced as part of bumper reinstallation.

**Service Procedure:**

**DIGITAL DOCUMENTATION**



This TSB includes repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

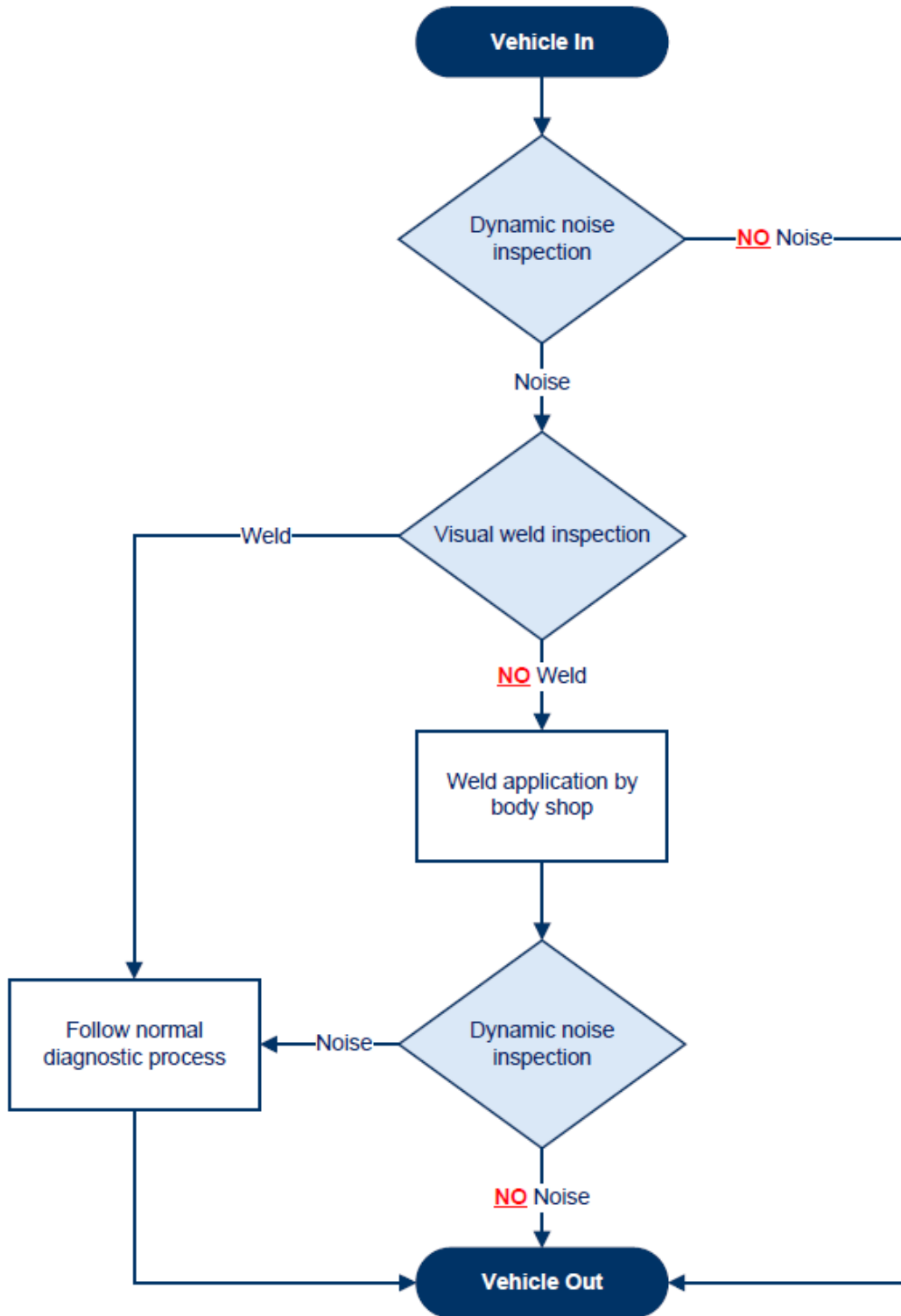
**NOTICE**

Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.

**Table of Contents**

- Flowchart.....5
- Dynamic Inspection for Noise from Right Front Subframe Mounting Stud.....6
- Visual Inspection for Weld on Right Front Subframe Mounting Stud.....8
- Weld Application on Right Front Subframe Mounting Stud.....11

**Flowchart**



## Dynamic Inspection for Noise from Right Front Subframe Mounting Stud

### **CAUTION**

Before performing the dynamic inspection procedure below, ensure the vehicle is in an area clear of traffic and pedestrians.

1. Start the engine. With vehicle in the **PARK** position, turn the steering wheel all the way to the **LEFT**.
2. With foot on the brake, shift the vehicle into **DRIVE** and listen for a distinct **pop**, **tick**, or **creak** noise.
  - If the noise is heard, shift vehicle back into the **PARK** position and turn **OFF** the engine.  
Proceed to the [Visual Inspection for Weld on RH Front Subframe Mounting Stud](#) procedure.
  - If the noise is **NOT** heard, shift vehicle back into **PARK** and proceed to the next step.
3. With engine **ON** and vehicle in the **PARK** position, turn the steering wheel all the way to the **RIGHT**.
4. With foot on the brake, shift the vehicle into **DRIVE** and listen for a distinct **pop**, **tick**, or **creak** noise.
  - If the noise is heard, shift vehicle back into the **PARK** position and turn **OFF** the engine.  
Proceed to the [Visual Inspection for Weld on RH Front Subframe Mounting Stud](#) procedure.
  - If the noise is **NOT** heard, shift vehicle back into **PARK** and proceed to the next step.



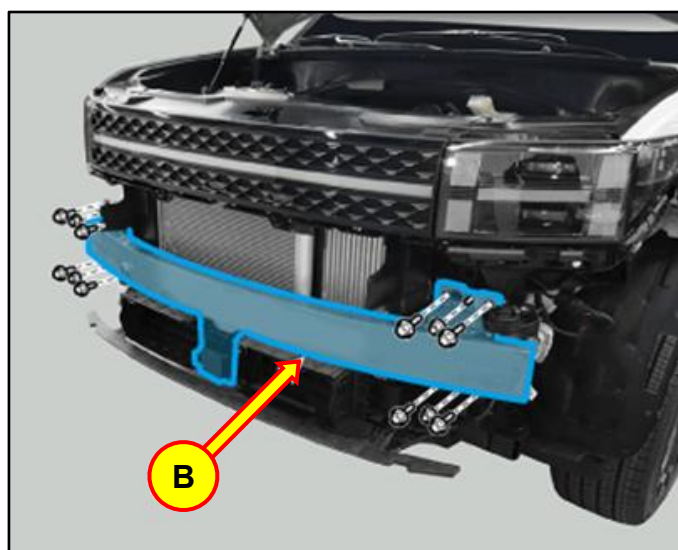
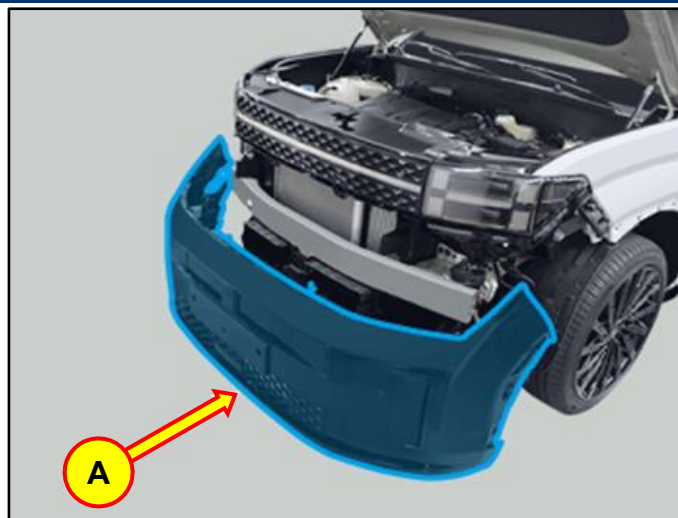
5. With engine **ON** and foot on the brake, straighten the steering wheel and shift the vehicle into **DRIVE**.

Drive a few feet forward, listening for a **pop**, **tick**, or **creak** noise during initial acceleration and when coming to a stop while braking.

- If the noise is heard, shift vehicle back into the **PARK** position and turn **OFF** the engine.  
Proceed to the [Visual Inspection for Weld on RH Front Subframe Mounting Stud](#) procedure.
- If the noise is **NOT** heard, no further action is needed. Submit operation code **50DA27R0**.

**Visual Inspection for Weld on Right Front Subframe Mounting Stud**

1. Remove the front bumper (A) by referring to the shop manual:
  - **Body (Interior / Exterior / Electrical) > Front & Rear Bumper > Front Bumper Assembly > Removal and Installation**
2. Remove the front bumper beam assembly (B) by referring to the shop manual:
  - **Body (Interior / Exterior / Electrical) > Front End Module > Front Bumper Beam Assembly > Removal and Installation**



**Tightening Torque:**

**Nut:**

lb-ft	5.4
lb-in	65
N.m	7.4

**Bolt:**

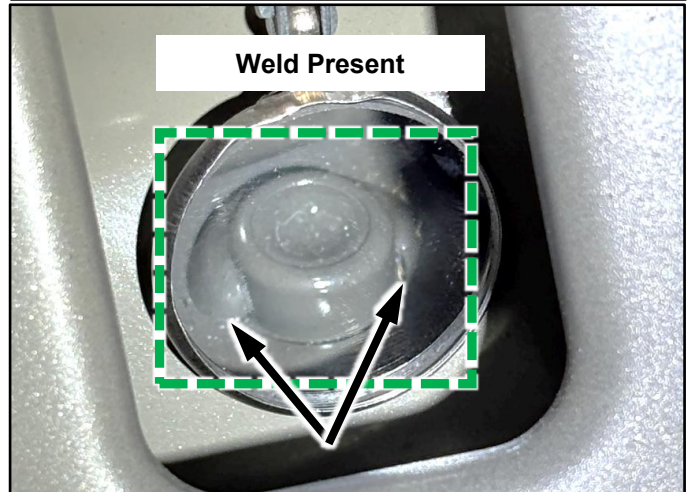
lb-ft	18
N.m	24

**SUBJECT:** POP, TICK, OR CREAK NOISE FROM RIGHT FRONT SUBFRAME MOUNTING STUD  
(SERVICE CAMPAIGN 9C4)

3. Using an inspection mirror, look inside the right front fender apron to locate the right front subframe mounting stud.

Inspect the condition of the weld on the right front subframe mounting stud.

- If weld is present, submit a Digital Documentation photo of the weld. Follow normal diagnostic procedures to locate and repair the source of the noise. Use operation code **50DA27R1**.

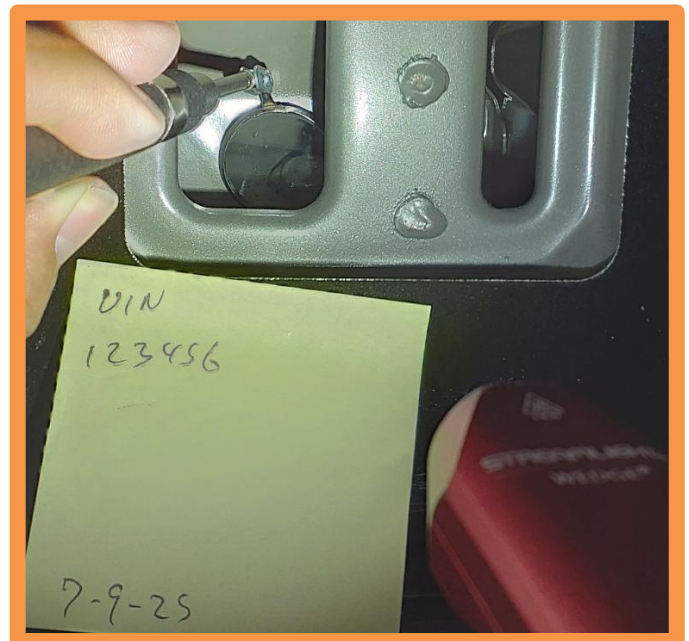


**DIGITAL DOCUMENTATION**



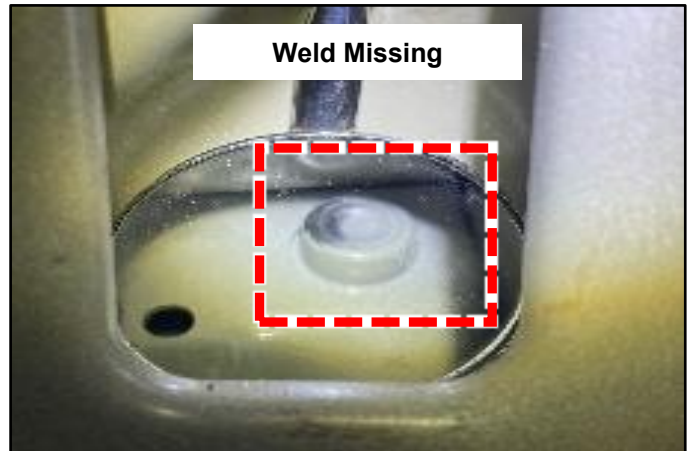
Using STUI, take a photo of the weld on the subframe mounting stud, along with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



**SUBJECT:** POP, TICK, OR CREAK NOISE FROM RIGHT FRONT SUBFRAME MOUNTING STUD  
(SERVICE CAMPAIGN 9C4)

- If weld is missing, reassemble the vehicle, then sublet to a reputable body repair shop with a shielded metal arc (stick) welder.
- Provide this TSB to the body repair shop and direct their attention to the [Weld Application on Right Front Subframe Mounting Stud](#) procedure.



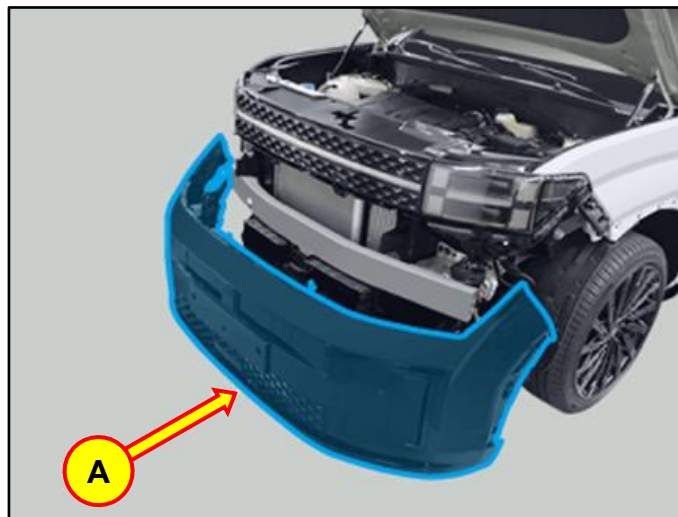
4. When vehicle returns to dealer from body shop, follow the [Dynamic Inspection for Noise from RH Front Subframe Mounting Stud](#) procedure to confirm that the "pop/tick/creak" noise is **NO** longer present.
5. The service procedure is now complete. Submit operation code **50DA27R2**.

## Weld Application on Right Front Subframe Mounting Stud

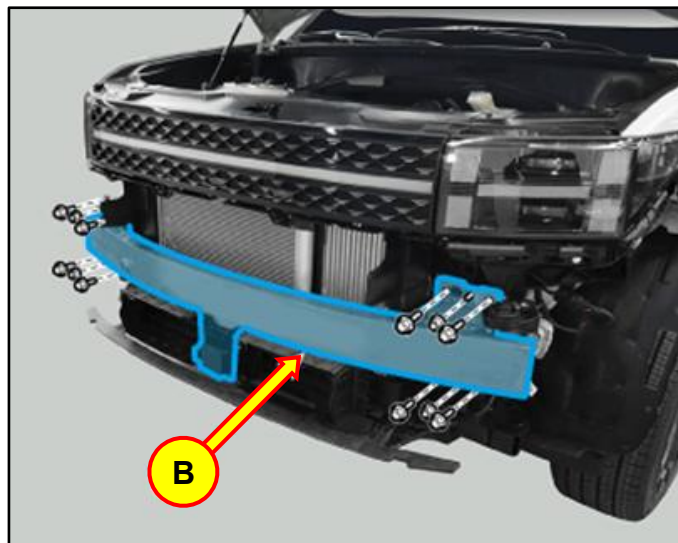
### **i** Information

This procedure **MUST** be sublet and completed by a body repair shop.  
Refer to the [Required Equipment/Supplies](#) section on page 2 for required supplies.

1. Remove the front bumper (A) by referring to the shop manual:
  - **Body (Interior / Exterior / Electrical) > Front & Rear Bumper > Front Bumper Assembly > Removal and Installation**



2. Remove the front bumper beam assembly (B) by referring to the shop manual:
  - **Body (Interior / Exterior / Electrical) > Front End Module > Front Bumper Beam Assembly > Removal and Installation**



### Tightening Torque:

#### Nut:

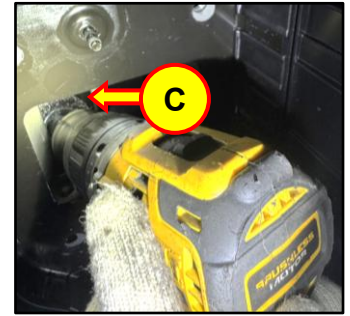
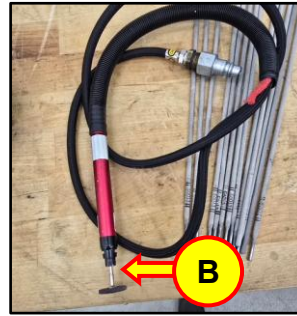
lb-ft	5.4
lb-in	65
N.m	7.4

#### Bolt:

lb-ft	18
N.m	24

**SUBJECT:** POP, TICK, OR CREAK NOISE FROM RIGHT FRONT SUBFRAME MOUNTING STUD  
(SERVICE CAMPAIGN 9C4)

3. Using a small pencil grinder (B) or brush attachment for an electric drill (C), polish the surface of the area to be welded to remove the e-coat.



**i** Information

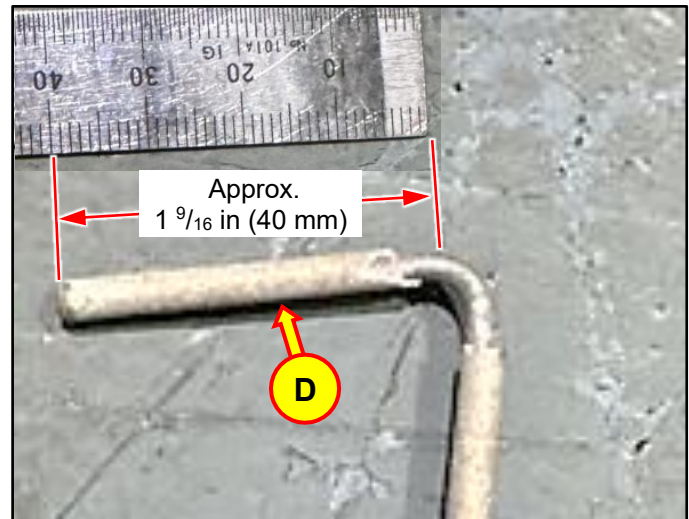
The “**AFTER**” photo on the right shows the area around the stud polished and ready to be welded.



4. Prepare and bend a welding rod (D) ( $\frac{5}{32}$  in. or 4 mm diameter 6013 alloy) 90 degrees in order to reach the welding surface.

**i** Information

The length of the bent end should be approx.  $1 \frac{9}{16}$  in. (40 mm).



5. Apply the weld to the mounting stud.

**i** **Information**

A minimum of **1 ½ in. (37 mm)** of weld should be applied.



6. When welding is completed, remove weld slag and vacuum the area out.

Review the welded area and verify welding has been properly completed.

If welding is **NOT** adequate, repeat **steps 2-4**.



7. After welding is complete, apply primer to the work area to prevent corrosion.

**i** **Information**

Recommended Primer: **PPG OneChoice Gray Spray Etch Primer**



**SUBJECT:** POP, TICK, OR CREAK NOISE FROM RIGHT FRONT SUBFRAME MOUNTING STUD  
(SERVICE CAMPAIGN 9C4)

8. Reinstall all parts in the reverse order of the removal process.
9. **Return vehicle to dealer for inspection.**