

ABS Guard for Toyota / Lexus Vehicle models

PI011

Revision B

Installation Level I

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Purpose	To provide instructions for the installation of the ABS guards on Toyota/Lexus vehicle model.
Scope	This procedure applies to installation of the ABS guards on Toyota/Lexus vehicle model.









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Safety

- Care must be taken when handling the sharp items listed below such as the razor blades, cutters, sharp objects, and soldering irons.

Visual Icons

Symbol	Definition	Description
	Inspect/Verify	 The magnifying glass is used for inspection or verification to take place.
	Work Content	 The hammer is used to identify a process step where building of the product takes place.
	Safety Warning	 The yellow hazard triangle is used to identify process steps that involve potential safety hazards.
	Safety Action	 The red stop sign is used to identify process steps where a safety action must be performed before proceeding with the next operation.

Equipment List

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Equipment
10mm socket
10mm combination wrench
5mm Hex Allen Key

Procedure Detail

1. Remove and Installation of ABS Front Sensor Guard

Step	Instruction	Visual Aid (for reference only)
1.	<p>↑ Remove Hex Bolt from the Front spindle / knuckle that holds the ABS Sensor.</p>	

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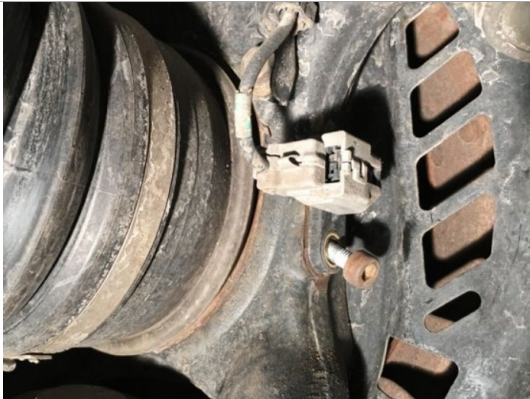

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Step	Instruction	Visual Aid (for reference only)
2.	↑ Use 5mm Allen Hex Key to remove bolt from ABS sensor.	
3.	↑ Remove OEM bolt from spindle/knuckle.	
4.	↑ Apply Anti-Seize compound onto bolts.	

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Step	Instruction	Visual Aid (for reference only)
5.	<p>↑ Place ABS guard with a 35mm bolt first to check fitment. If the bolt is short use the 40mm. Do not over tighten the bolt. Torque spec should be at 15lbs Maximum. Repeat process for front ABS sensor.</p> <p>Tips: support the ABS Guard and tighten hand tight first before final position lock and torque.</p>	A close-up photograph of the rear wheel hub area. A black ABS sensor guard with 'TRD' branding is being installed onto the ABS sensor. A 35mm bolt is being used to secure it. The surrounding components include the brake disc, suspension arms, and a coil spring.

2. Remove and Installation of ABS Rear Sensor Guard

Step	Instruction	Visual Aid (for reference only)
1.	<p>↑ Remove Hex Bolt from the Rear Axle with a 10mm socket. If the nut comes loose before the threaded bolt, use the 6mm nut provided to create a JAM nut and use an open combination 10mm wrench to remove the threaded nut and the nut.</p> A close-up photograph of a hex bolt. Two blue curved arrows indicate the direction to turn the bolt: one arrow points clockwise from the top, and another points counter-clockwise from the bottom, suggesting the bolt is being removed.	A photograph of the rear axle assembly. A blue arrow with a red outline points to a hex bolt on the axle, indicating the location for removal. The background shows the suspension components and the rear wheel.

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Step	Instruction	Visual Aid (for reference only)
		
2.	↑ Remove Bolt from rear axle.	

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Step	Instruction	Visual Aid (for reference only)
3.	<p>↑ Place ABS guard with a 35mm bolt first to check fitment. If the bolt is short use the 40mm. Do not over tighten the bolt. Torque spec should be at 15lbs Maximum. Repeat process for front ABS sensor.</p> <p>Tips: support the ABS Guard and tighten hand tight first before final position lock and torque.</p>	 A close-up photograph of a vehicle's wheel hub area. A black ABS sensor with 'TRD' branding is mounted on the hub. A black ABS guard is being positioned over the sensor. The hub is metallic and shows some rust. A portion of a tire is visible on the right side of the frame.