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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> DRIVE SHAFT / PROPELLER SHAFT: FRONT DRIVE SHAFT ASSEMBLY: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## INSTALLATION

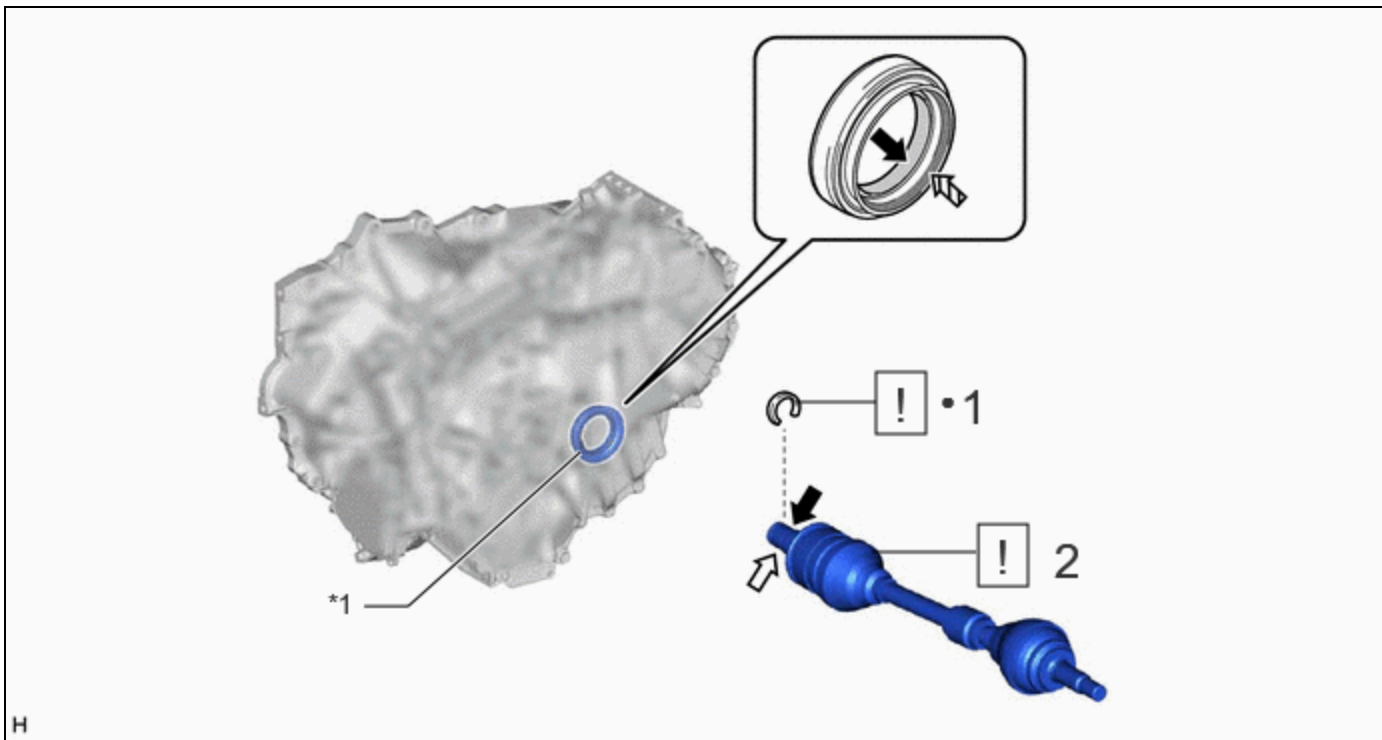
### CAUTION / NOTICE / HINT

**HINT:**

- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

### CAUTION / NOTICE / HINT

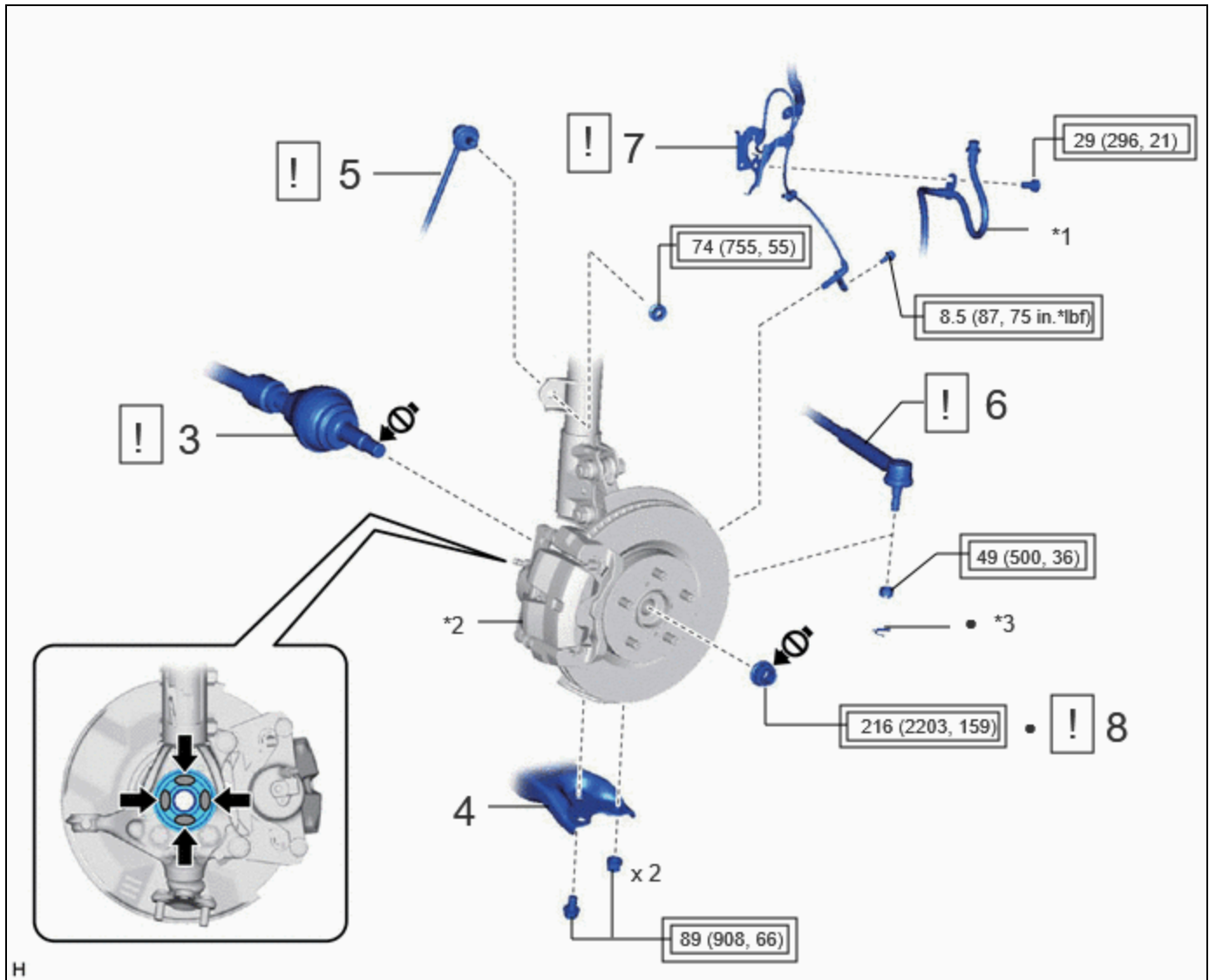
#### COMPONENTS (INSTALLATION)



	PROCEDURE	PART NAME CODE	!	📄	⚙️
1	FRONT DRIVE SHAFT HOLE SNAP RING	43420G	INFO	-	-
2	FRONT DRIVE SHAFT ASSEMBLY	43420	INFO	-	-

*1	FRONT DRIVE SHAFT OIL SEAL	-	-
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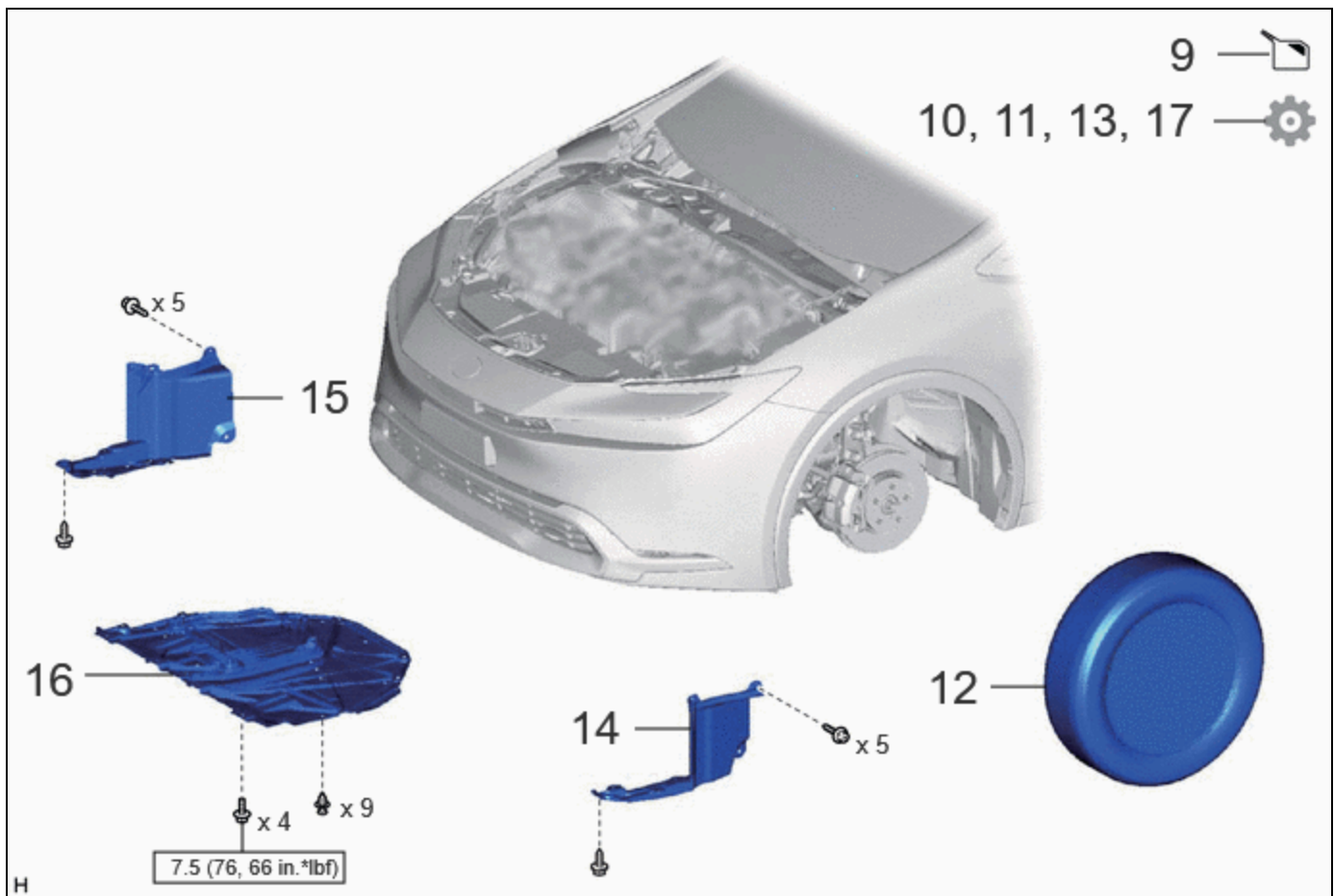
•	Non-reusable part	➔	MP grease
➔	Toyota Genuine e-Transaxle Fluid TE	➔	Toyota Genuine Oil Seal Side Lip Grease









PROCEDURE	PART NAME CODE	!	📄	⚙️
3 FRONT DRIVE SHAFT ASSEMBLY	43420	INFO	-	-
4 FRONT LOWER NO. 1 SUSPENSION ARM SUB-ASSEMBLY	48069	-	-	-
5 FRONT STABILIZER LINK ASSEMBLY	48810	INFO	-	-
6 TIE ROD END SUB-ASSEMBLY	45047	INFO	-	-
7 FRONT SPEED SENSOR	89543	INFO	-	-


PROCEDURE		PART NAME CODE			
8	FRONT AXLE SHAFT NUT	43502H	<a href="#">INFO</a>	-	-

*1	FRONT FLEXIBLE HOSE	*2	FRONT AXLE ASSEMBLY
*3	COTTER PIN	-	-
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)	•	Non-reusable part
	Toyota Body Grease W		Do not apply lubricants to the threaded parts



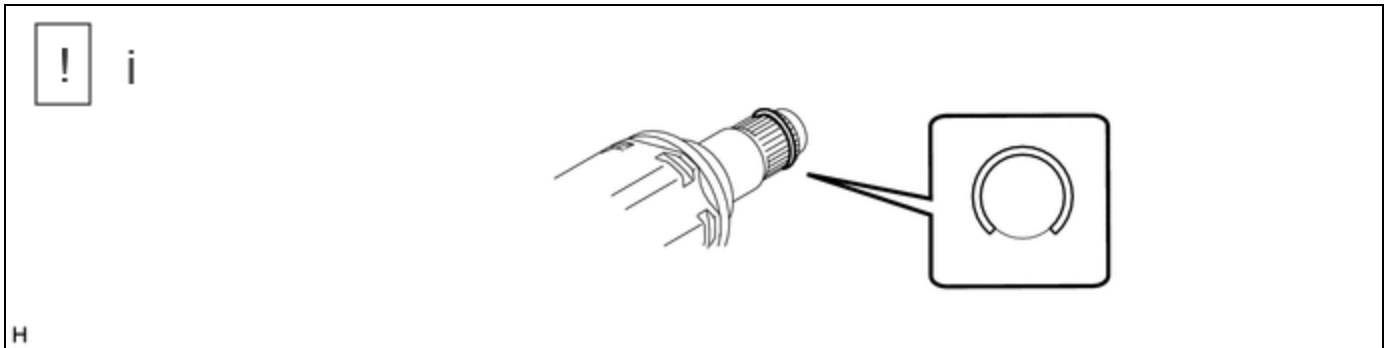
PROCEDURE		PART NAME CODE			
9	ADD HYBRID TRANSAXLE FLUID	-	-	<a href="#">INFO</a>	-
10	INSPECT HYBRID TRANSAXLE FLUID	-	-	-	<a href="#">INFO</a>

PROCEDURE		PART NAME CODE			
11	INSPECT FOR HYBRID TRANSAXLE FLUID LEAK	-	-	-	
12	FRONT WHEELS	-	-	-	-
13	INSPECT AND ADJUST FRONT WHEEL ALIGNMENT	-	-	-	
14	REAR ENGINE UNDER COVER LH	51444A	-	-	-
15	REAR ENGINE UNDER COVER RH	51443C	-	-	-
16	NO. 1 ENGINE UNDER COVER ASSEMBLY	51410	-	-	-
17	CHECK FOR SPEED SENSOR SIGNAL	-	-	-	

	N*m (kgf*cm, ft.*lbf): Specified torque	-	-
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## PROCEDURE

### 1. INSTALL FRONT DRIVE SHAFT HOLE SNAP RING

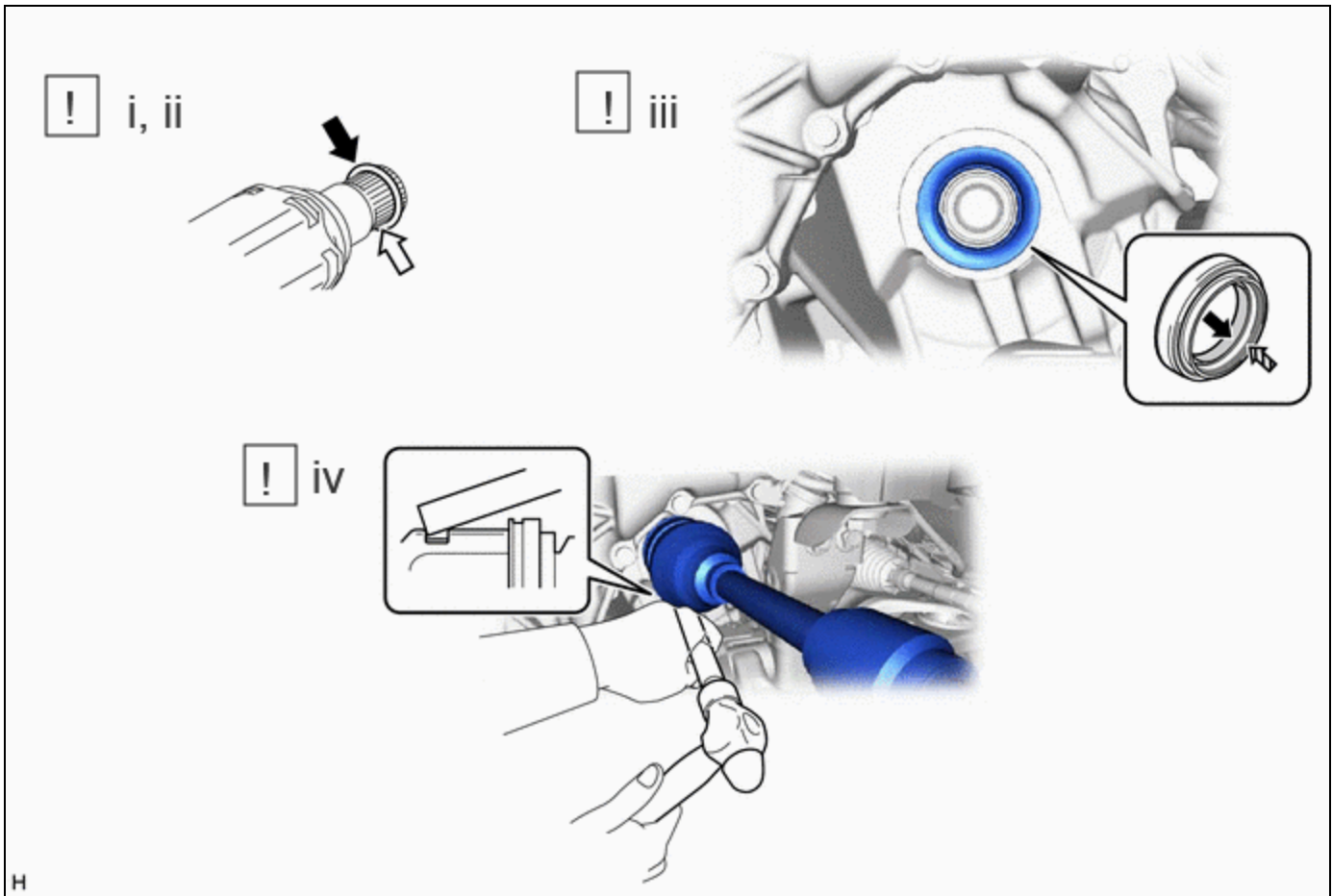





(1) Install a new front drive shaft hole snap ring.

**NOTICE:**

Face the end gap of the front drive shaft hole snap ring downward.

### 2. INSTALL FRONT DRIVE SHAFT ASSEMBLY



	MP grease		Toyota Genuine e-Transaxle Fluid TE
	Toyota Genuine Oil Seal Side Lip Grease	-	-

- (1) Coat the snap ring of the front drive inboard joint assembly with MP grease.
- (2) Coat the splines of the front drive inboard joint assembly with Toyota Genuine e-Transaxle Fluid TE.
- (3) Coat the lip of the front drive shaft oil seal LH with MP grease and Toyota genuine oil seal side lip grease as shown in the illustration.

**HINT:**

Apply a light coat of MP grease and Toyota genuine oil seal side lip grease to the entire circumference of the front drive shaft oil seal LH.

- (4) Align the inboard joint splines, and using a brass bar and a hammer, install the front drive shaft assembly LH.

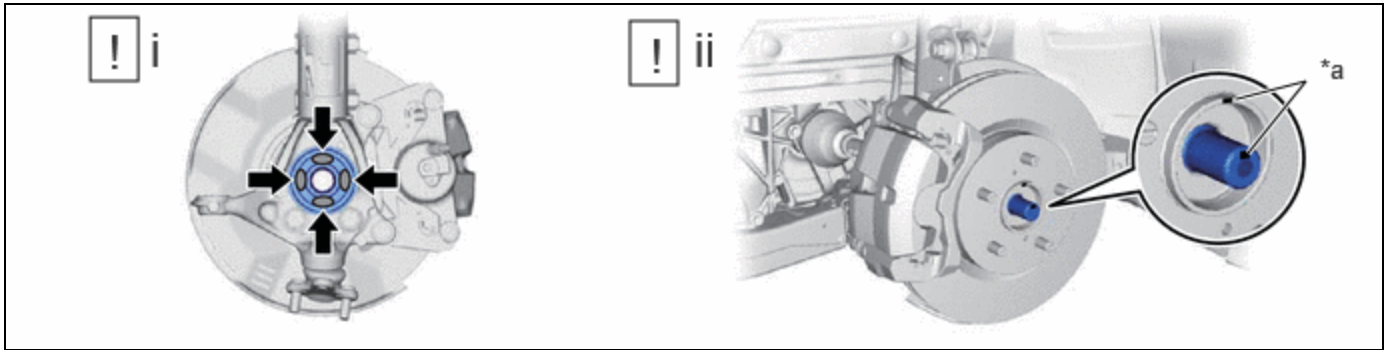
**NOTICE:**

- Face the end gap of the front drive shaft hole snap ring downward.
- Do not damage the front drive shaft oil seal.
- Do not damage the front axle inboard joint boot.
- Make sure to center the front drive shaft assembly during installation to prevent damage to the front drive shaft hole snap ring.

**HINT:**

Confirm whether the drive shaft is securely driven in by checking the reaction force and sound.

### 3. CONNECT FRONT DRIVE SHAFT ASSEMBLY



*a	Matchmark	-	-
	Toyota Body Grease W	-	-

(1) Apply 0.1 to 0.3 g (0.00353 to 0.0105 oz.) of Toyota Body Grease W to each of the 4 areas shown in the illustration.

(2) Align the matchmarks and install the front drive shaft assembly to the front axle assembly.

**NOTICE:**

- Do not push the front axle assembly towards the outside of the vehicle any further than necessary.
- Check that there is no foreign matter on the deflector or contact surfaces.
- Do not damage the front axle outboard joint boot.
- Do not damage the front disc brake dust cover.
- Do not damage the deflector.

### 4. CONNECT FRONT LOWER NO. 1 SUSPENSION ARM SUB-ASSEMBLY

Click here [INFO](#)

### 5. INSTALL FRONT STABILIZER LINK ASSEMBLY

	Click here <a href="#">INFO</a>
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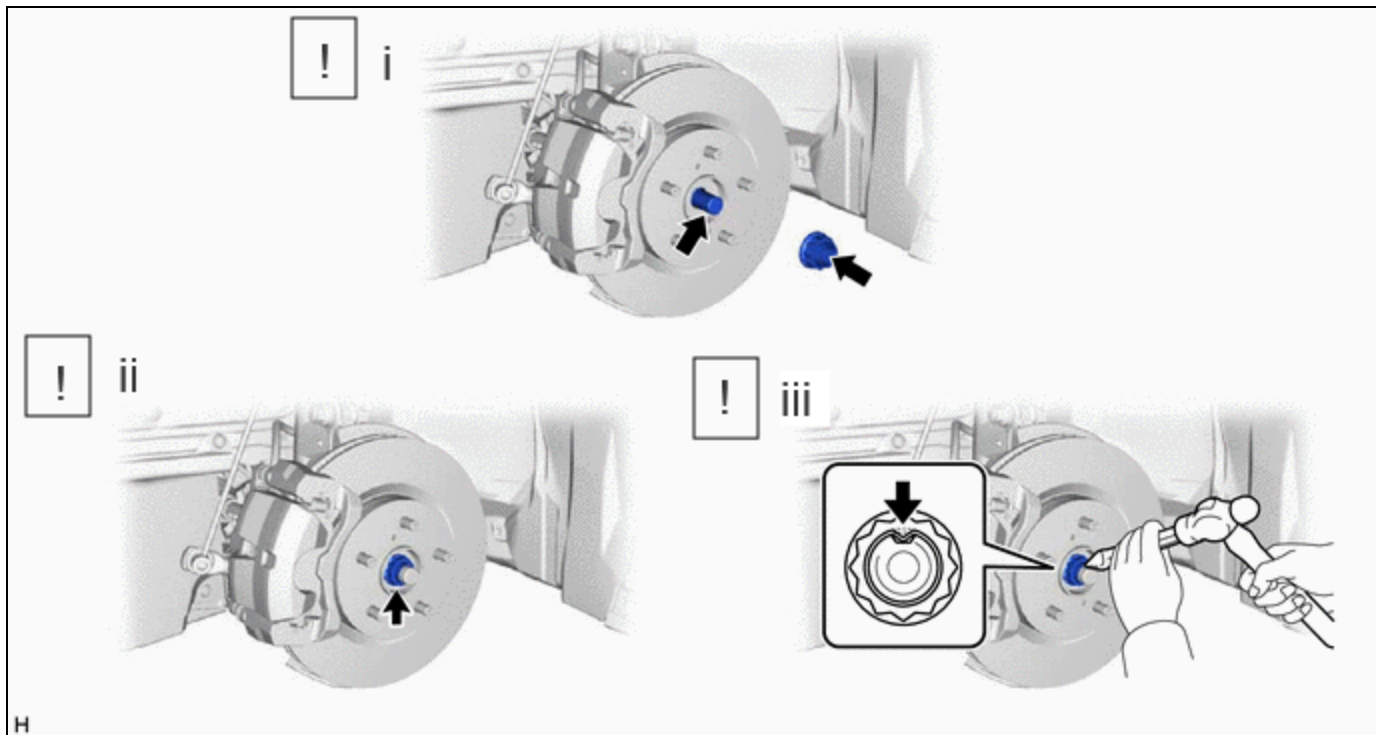
### 6. CONNECT TIE ROD END SUB-ASSEMBLY

	Click here <a href="#">INFO</a>
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### 7. INSTALL FRONT SPEED SENSOR

	Click here <a href="#">INFO</a>
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## 8. INSTALL FRONT AXLE SHAFT NUT



- (1) Clean the threaded parts on the front drive shaft assembly and a new front axle shaft nut using non-residue solvent.

### NOTICE:

- Be sure to perform this work even when using a new front drive shaft assembly.
- Keep the threaded parts free of oil and foreign matter.

- (2) Using a 30 mm deep socket wrench, install the front axle shaft nut.

### HINT:

Keep depressing the brake pedal to prevent the drive shaft from rotating.

### Torque:

**216 N·m {2203 kgf·cm, 159 ft·lbf}**

- (3) Using a chisel and a hammer, stake the front axle shaft nut.

## 9. ADD HYBRID TRANSAXLE FLUID

Click here [INFO](#)

## 10. INSPECT HYBRID TRANSAXLE FLUID

Click here [INFO](#)

## 11. INSPECT FOR HYBRID TRANSAXLE FLUID LEAK

Click here [INFO](#)

## 12. INSTALL FRONT WHEELS

Click here [INFO](#)

## 13. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT

Click here [INFO](#)

**14. INSTALL REAR ENGINE UNDER COVER LH**

**15. INSTALL REAR ENGINE UNDER COVER RH**

**16. INSTALL NO. 1 ENGINE UNDER COVER ASSEMBLY**

for M20A-FXS: Click here [INFO](#)

for 2ZR-FXE: Click here [INFO](#)

**17. CHECK FOR SPEED SENSOR SIGNAL**

Click here [INFO](#)

**18. PERFORM INITIALIZATION**

Parking Assist Monitor System	<a href="#">INFO</a>
Panoramic View Monitor System	<a href="#">INFO</a>
Advanced Park	<a href="#">INFO</a>

