

## REMOVAL & INSTALLATION > FRONT DRIVESHAFT REMOVAL AND INSTALLATION (2013-18) > REMOVAL

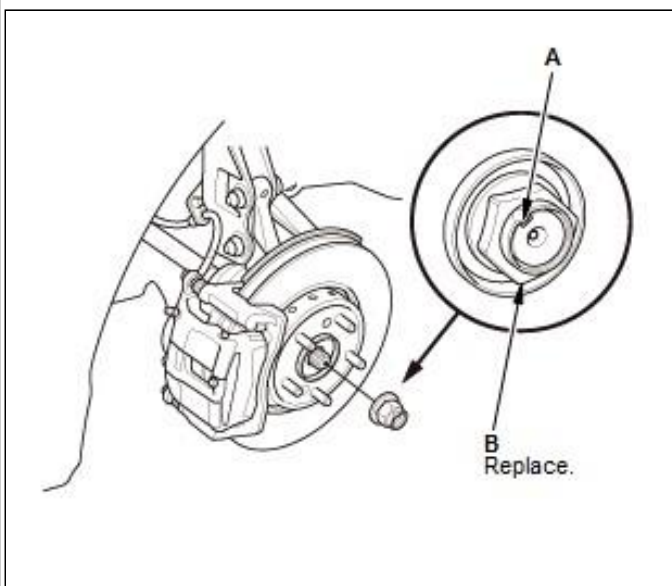
### 1. Vehicle - Lift

1. Raise and support the vehicle .

### 2. Front Wheel - Remove

1. Remove the front wheel .

### 3. Front Spindle Nut - Remove



1. Pry up the stake (A) on the spindle nut (B )  
2. Remove the spindle nut.

Courtesy of HONDA, U.S.A., INC.

### 4. Transmission Fluid - Drain

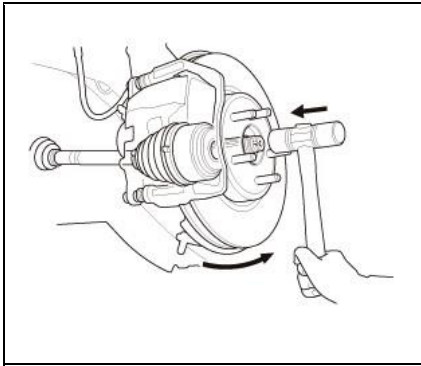
1. Drain the transmission fluid, then reinstall the drain plug with a new sealing washer .

### 5. Front Lower Arm Ball Joint - Disconnect

1. Disconnect the front lower arm ball joint from the front lower arm .

### 6. Front Outboard Joint - Disconnect

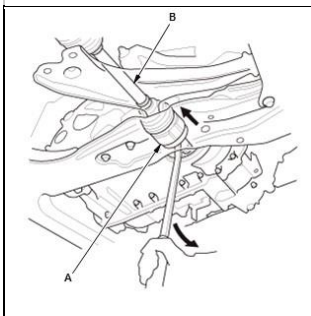
1. Pull the knuckle outward, and separate the outboard joint from the front hub using a soft face hammer.



Courtesy of HONDA, U.S.A., INC.

### 7. Front Inboard Joint - Disconnect

#### Left driveshaft



Courtesy of HONDA, U.S.A., INC.

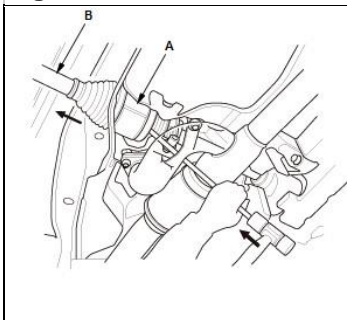
1. Left driveshaft: Pry the inboard joint (A) using a pry bar.

NOTE: Be careful not to damage the oil seal or the end of the inboard joint with the pry bar

2. Left driveshaft: Remove the driveshaft as an assembly

NOTE: Do not pull on the driveshaft (B), or the inboard joint may come apart. Pull the inboard joint straight out to avoid damaging the oil seal.

#### Right driveshaft



Courtesy of HONDA, U.S.A., INC.

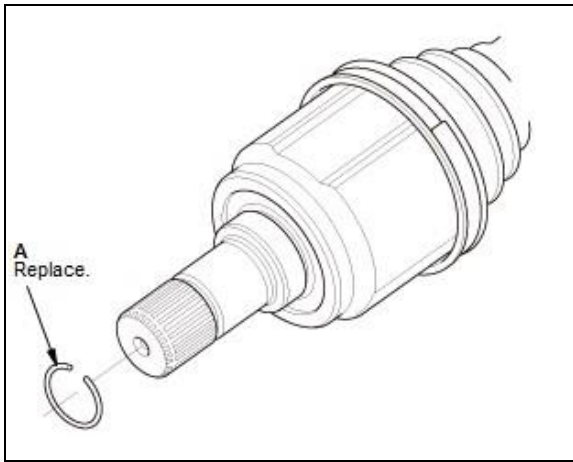
3. Right driveshaft: Drive the inboard joint (A) off of the intermediateshaft using a drift punch and a hammer

4. Right driveshaft: Remove the driveshaft as an assembly.

NOTE: Do not pull on the driveshaft (B), or the inboard joint may come apart. Pull the inboard joint straight out.

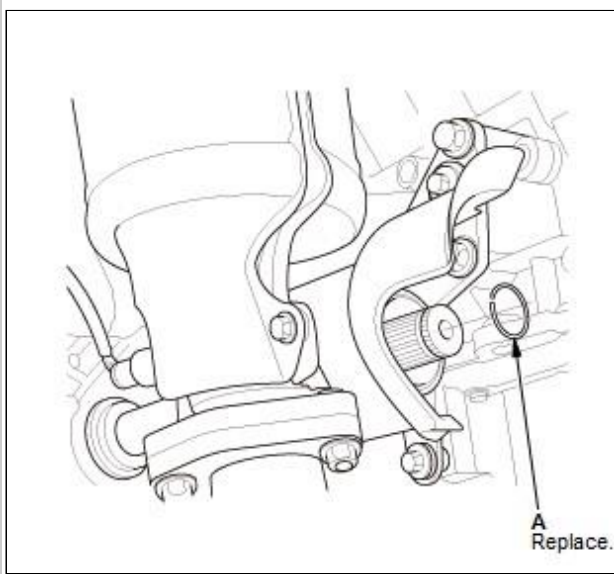
### 8. Set Ring - Remove

1. Remove the set ring (A) from the left driveshaft



inboard joint.

Courtesy of HONDA, U.S.A., INC.



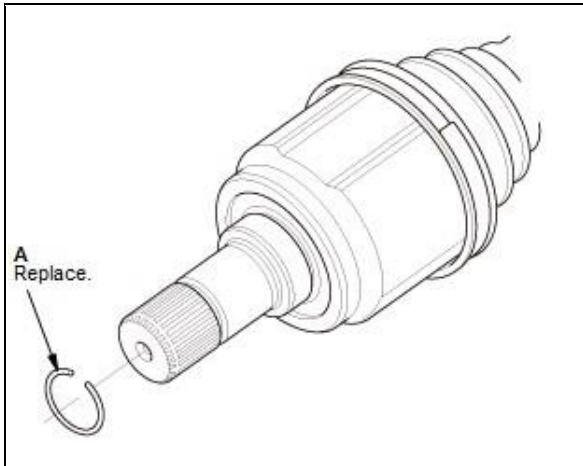
2. Remove the set ring (A) from the intermediate shaft.

Courtesy of HONDA, U.S.A., INC.

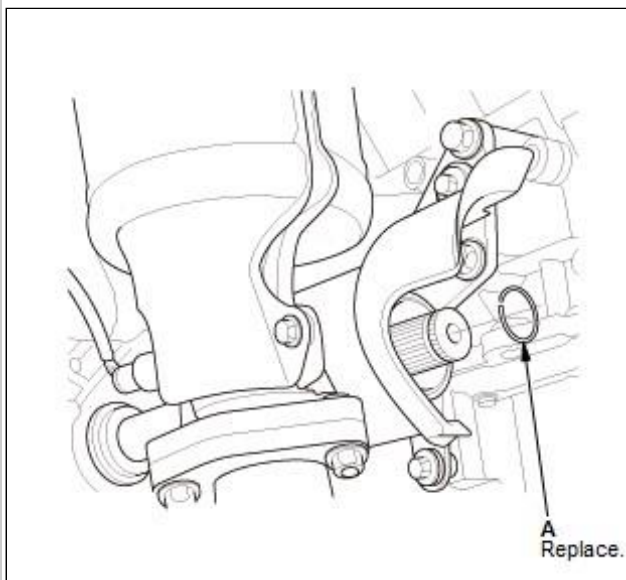
## REMOVAL & INSTALLATION > FRONT DRIVESHAFT REMOVAL AND INSTALLATION (2013-18) > INSTALLATION

### 1. Set Ring - Install

1. Install a new set ring (A) to the left driveshaft inboard joint.



Courtesy of HONDA, U.S.A., INC.

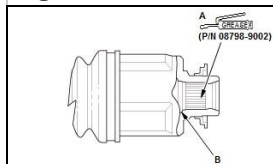


Courtesy of HONDA, U.S.A., INC.

2. Install a new set ring (A) to the intermediate shaft.

## 2. Front Inboard Joint - Connect

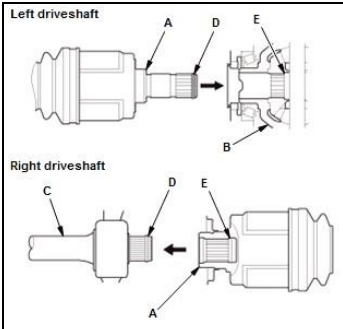
### Right driveshaft



Courtesy of HONDA, U.S.A., INC.

1. Right driveshaft: Apply 0.5-1.0 g (0.018-0.035 oz) of super high temp urea grease (P/N 08798-9002) to the whole splined surface (A) of the driveshaft 2. Right driveshaft: After applying grease, remove the grease from the splined grooves at intervals of 2-3 splines and from the set ring groove (B) so that air can bleed from the intermediate shaft.

3. Left driveshaft: Clean the areas where the driveshaft contacts the differential thoroughly with solvent.



Courtesy of HONDA, U.S.A., INC.

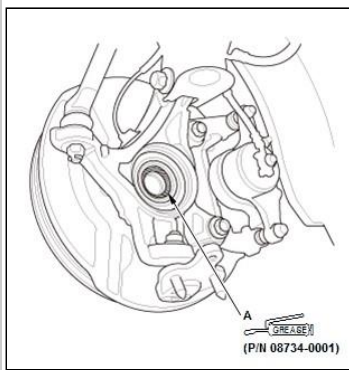
NOTE: Do not wash the rubber parts with solvent

contacts the differential (B) or the groove (E).

4. Left driveshaft: Dry the areas where the driveshaft differential thoroughly with compressed air
5. Insert the inboard end (A) of the driveshaft into the intermediate shaft (C) until the set ring (D) locks in the

NOTE: Insert the driveshaft horizontally to prevent damaging the oil seal.

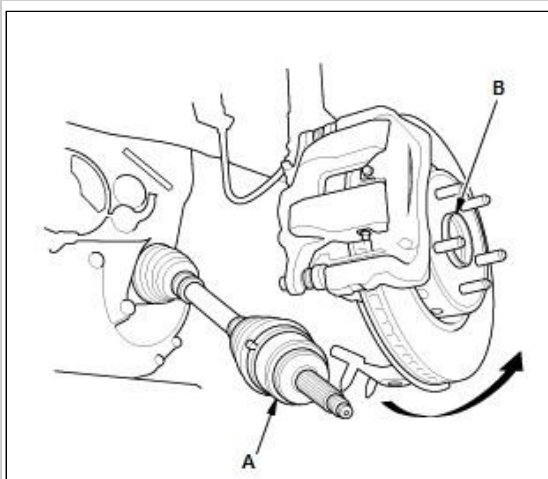
### 3. Front Outboard Joint - Connect



1. Apply about 5 g (0.18 oz) of moly 60 paste (P/N 08734-0001) to the contact area (A) of the outboard joint and the front wheel bearing.

**NOTE:** The paste helps to prevent noise and vibration.

Courtesy of HONDA, U.S.A., INC.



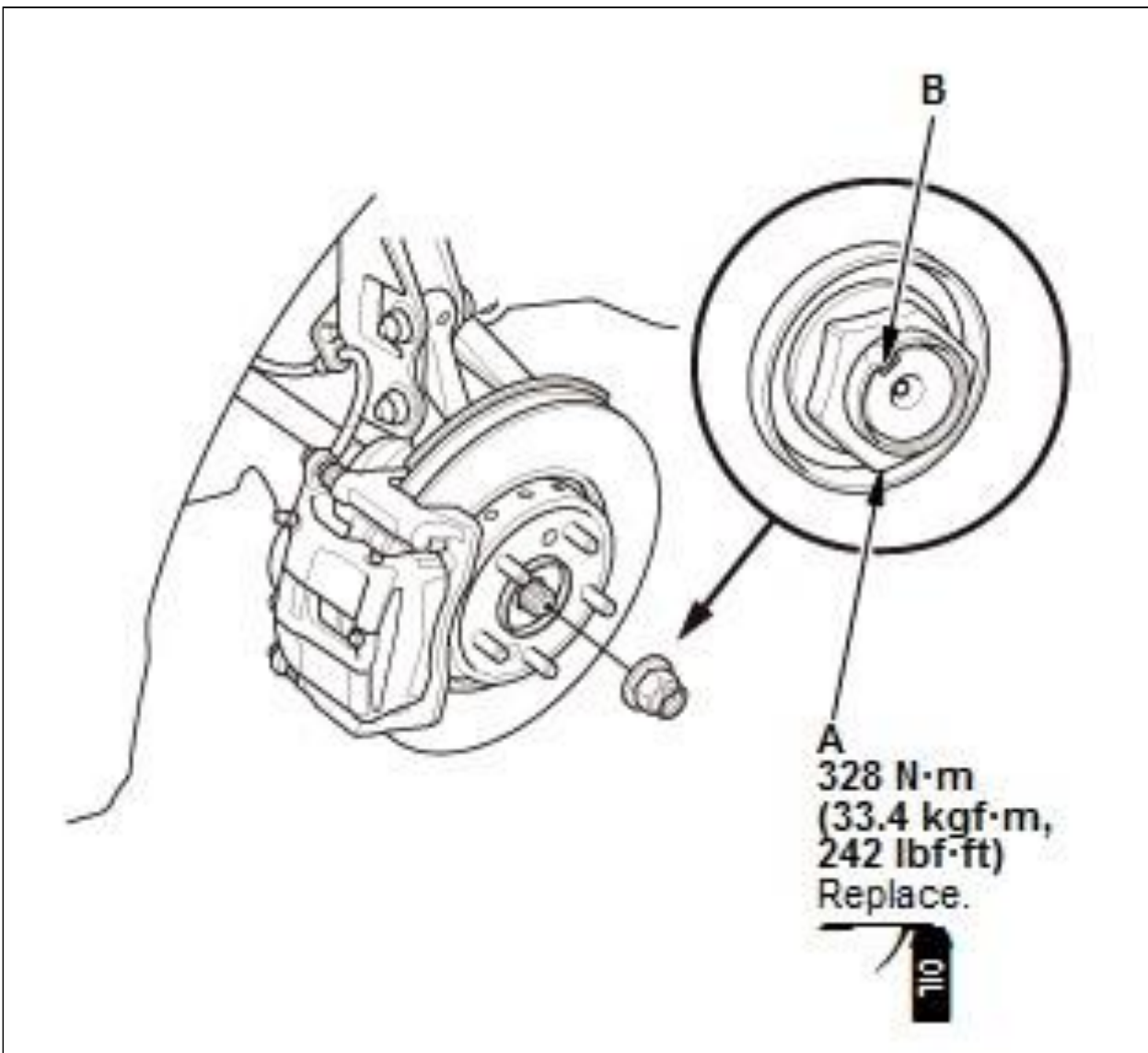
2. Install the outboard joint (A) into the front hub (B) on the knuckle.

Courtesy of HONDA, U.S.A., INC.

### 4. Front Lower Arm Ball Joint - Connect

### 5. Front Spindle Nut - Install

Fig 1: Front Spindle Nut With Torque Specifications



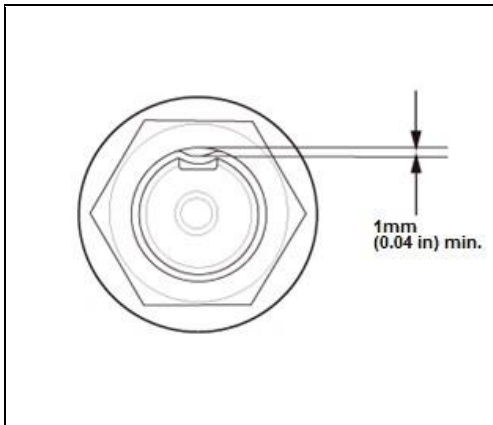
Courtesy of HONDA, U.S.A., INC.

1. Apply a small amount of engine oil to the seating surface of a new spindle nut (A)
2. Install the spindle nut
3. Use a drift to stake the spindle nut shoulder (B) against the driveshaft.

4. Check the length of the spindle nut as shown.

NOTE: Be careful not to make a crack on the locknut when staking.





Courtesy of HONDA, U.S.A., INC.

6. Front Wheel - Install

1. Install the front wheel .

7. Front Driveshaft - After Install Check

1. Turn the wheel by hand, and make sure there is no interference between the driveshaft and surrounding parts.

8. Vehicle - Lift

1. Lower the vehicle.

9. Transmission Fluid - Refill

1. Refill the transmission with the recommended transmission fluid .

10. Maintenance Minder - Reset

1. After doing all procedures, select the individual maintenance item you wish to reset with the HDS .

11. Wheel Alignment - Check

1. Check the wheel alignment, and adjust it if necessary .

12. Test Drive - Check

1. Test-drive the vehicle.

**REMOVAL & INSTALLATION > INTERMEDIATE SHAFT REMOVAL AND INSTALLATION (2013-18) > REMOVAL**

1. Vehicle - Lift

1. Raise and support the vehicle .

2. Remove exhaust pipe A - Remove

1. Remove exhaust pipe A .

3. Right Front Wheel - Remove

1. Remove the right front wheel .

4. Transmission Fluid - Drain

1. Drain the transmission fluid, then reinstall the drain plug with a new sealing washer .

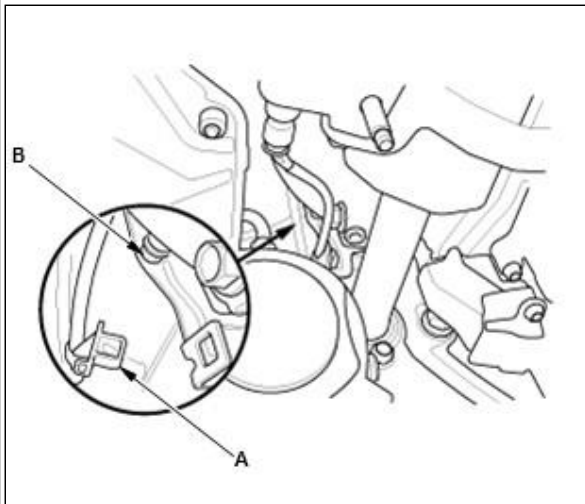
5. Right Front Lower Arm Ball Joint - Disconnect

1. Disconnect the front lower arm ball joint from the front lower arm .

6. Right Front Inboard Joint - Disconnect

1. Disconnect the right front inboard joint from the intermediate shaft .

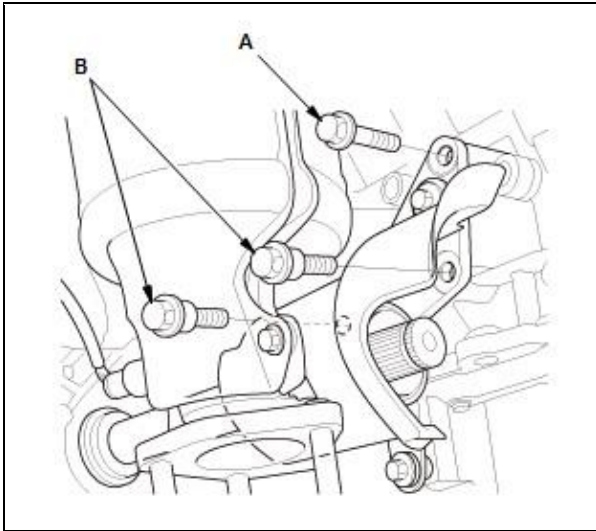
7. Intermediate Shaft - Remove



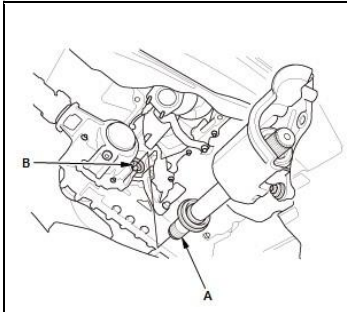
Courtesy of HONDA, U.S.A., INC.

1. AWD: Remove the harness clip (A )
2. AWD: Loosen the sensor harness clamp bracket bolt (B).

3. Remove the flange bolt (A) and the two dowel bolts (B).



Courtesy of HONDA, U.S.A., INC.



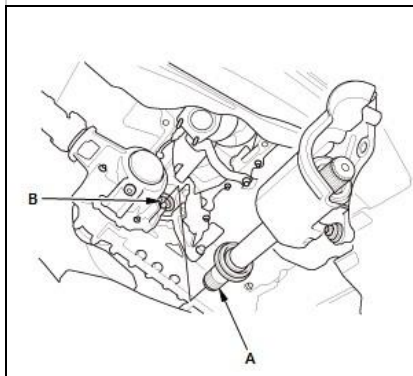
Courtesy of HONDA, U.S.A., INC.

4. Remove the intermediate shaft (A).

NOTE: Hold the intermediate shaft horizontal until it is clear of the differential to prevent damaging the oil seal (B).

## REMOVAL & INSTALLATION > INTERMEDIATE SHAFT REMOVAL AND INSTALLATION (2013-18) > INSTALLATION

1. Intermediate Shaft - Install



Courtesy of HONDA, U.S.A., INC.

1. Clean the areas where the intermediate shaft contacts the differential thoroughly with solvent.

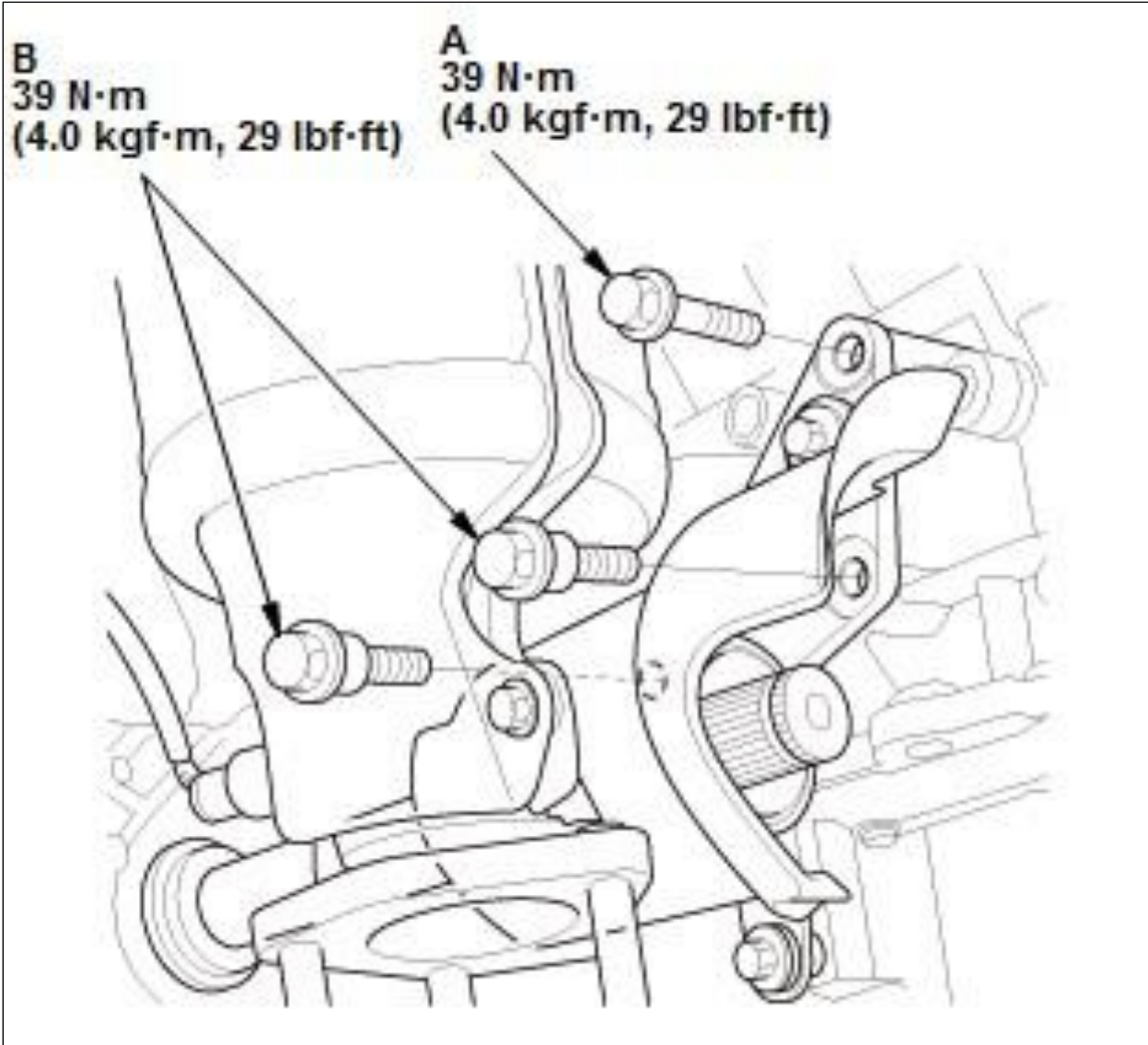
NOTE: Do not wash the rubber parts with solvent

2. Dry the areas where the intermediate shaft the differential thoroughly with compressed air

3. Insert the intermediate shaft (A) into the dif correctly.

NOTE: Insert the intermediate shaft carefully to prevent damaging the oil seal (B).

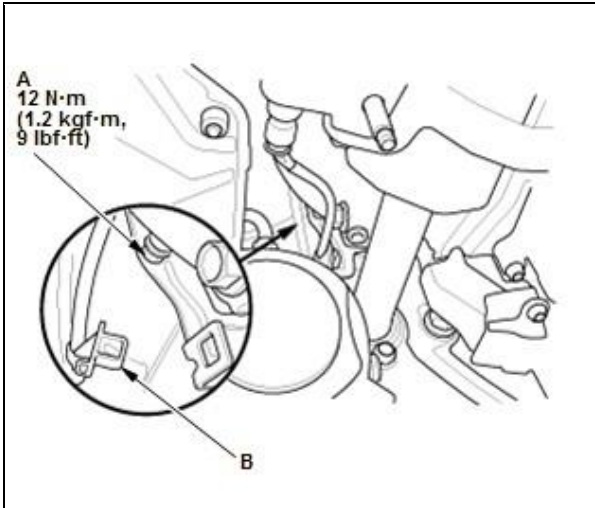
Fig 1: Flange Bolt With Torque Specifications



Courtesy of HONDA, U.S.A., INC.

4. Install the flange bolt (A) and the two dowel bolts (B).

5. AWD: Tighten the sensor harness clamp bracketbolt (A)
6. AWD: Install the harness clip (B).



Courtesy of HONDA, U.S.A., INC.

2. Right Front Inboard Joint - Connect

1. Connect the right front inboard joint to the intermediate shaft .

3. Right Front Lower Arm Ball Joint - Connect

1. Connect the front lower arm ball joint to the front lower arm .

4. Right Front Wheel - Install

1. Install the right front wheel .

5. Intermediate Shaft - After Install Check

1. Turn the wheel by hand, and make sure there is no interference between the driveshaft and surrounding parts.

6. Remove exhaust pipe A - Install

1. Install exhaust pipe A .

7. Vehicle - Lift

1. Lower the vehicle.

8. Transmission Fluid - Refill

1. Refill the transmission with the recommended transmission fluid .

9. Maintenance Minder - Reset

1. After doing all procedures, select the individual maintenance item you wish to reset with the HDS .

10. Wheel Alignment - Check

1. Check the wheel alignment, and adjust it if necessary .

11. Test Drive - Check

1. Test-drive the vehicle.

## REMOVAL & INSTALLATION > REAR DRIVESHAFT REMOVAL AND INSTALLATION(AWD) (2013-15) > REMOVAL

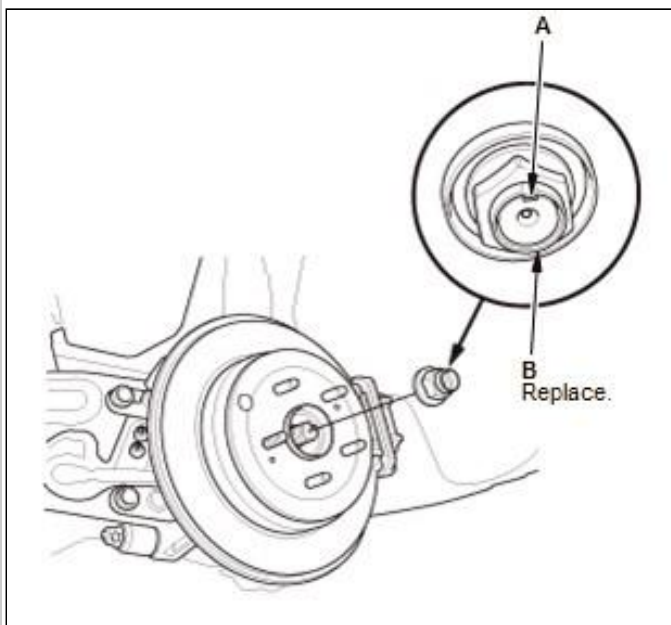
### 1. Vehicle - Lift

1. Raise and support the vehicle .
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2. Rear Wheel - Remove

1. Remove the rear wheel .

3. Rear Spindle Nut - Remove



1. Pry up the stake (A) on the spindle nut (B )  
2. Remove the spindle nut.

Courtesy of HONDA, U.S.A., INC.

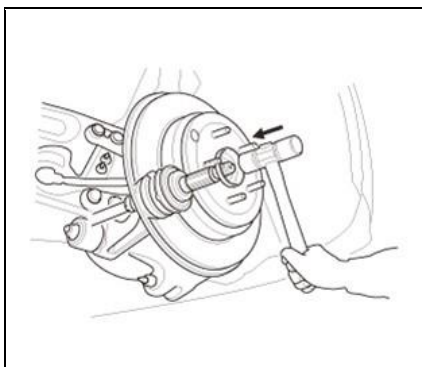
4. Rear Differential Fluid - Drain

1. Drain the rear differential fluid, then reinstall the drain plug with a new sealing washer .

5. Rear Inboard Joint - Disconnect

1. Remove the rear driveshaft inboard joint from the rear differential assembly .

6. Rear Outboard Joint - Disconnect

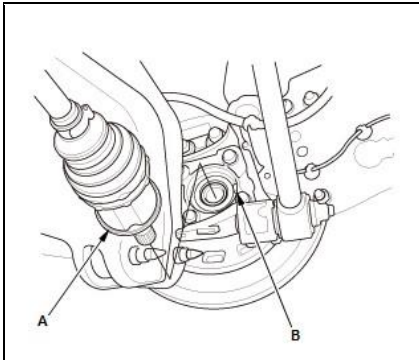


Courtesy of HONDA, U.S.A., INC.

the rear hub using a soft face hammer.

2. Remove the outboard joint (A).

1. Pull the knuckle outward, and separate the outboard joint from

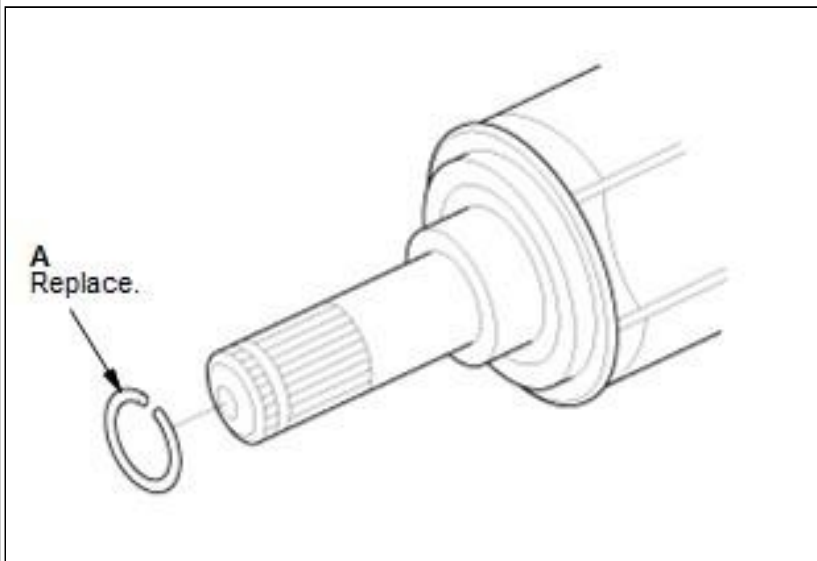


Courtesy of HONDA, U.S.A., INC.

**NOTE:**

1. Be careful not to damage the wheel speed sensor (B).
2. Pull on the outboard joint. Do not pull on the driveshaft because the joint may come apart.

**7. Set Ring - Remove**



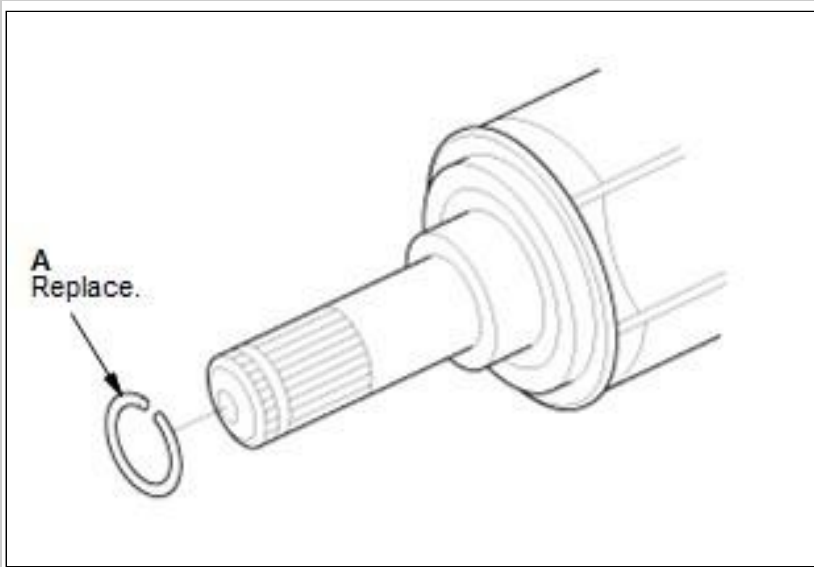
Courtesy of HONDA, U.S.A., INC.

1. Remove the set ring (A).



# REMOVAL & INSTALLATION > REAR DRIVESHAFT REMOVAL AND INSTALLATION(AWD) (2013-15) > INSTALLATION

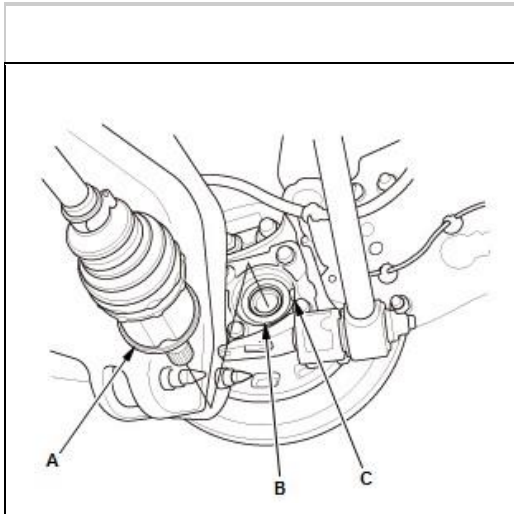
## 1. Set Ring - Install



1. Install a new set ring (A).

Courtesy of HONDA, U.S.A., INC.

## 2. Rear Outboard Joint - Connect

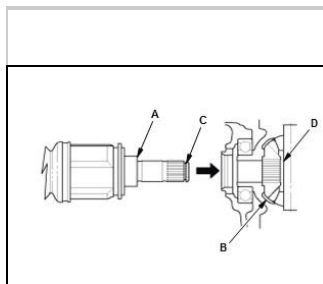


1. Install the outboard joint (A) into the rear hub (B).

NOTE: Be careful not to damage the wheel speed sensor (C).

Courtesy of HONDA, U.S.A., INC.

## 3. Rear Inboard Joint - Connect



1. Clean the areas where the driveshaft contacts the rear differential thoroughly with solvent.

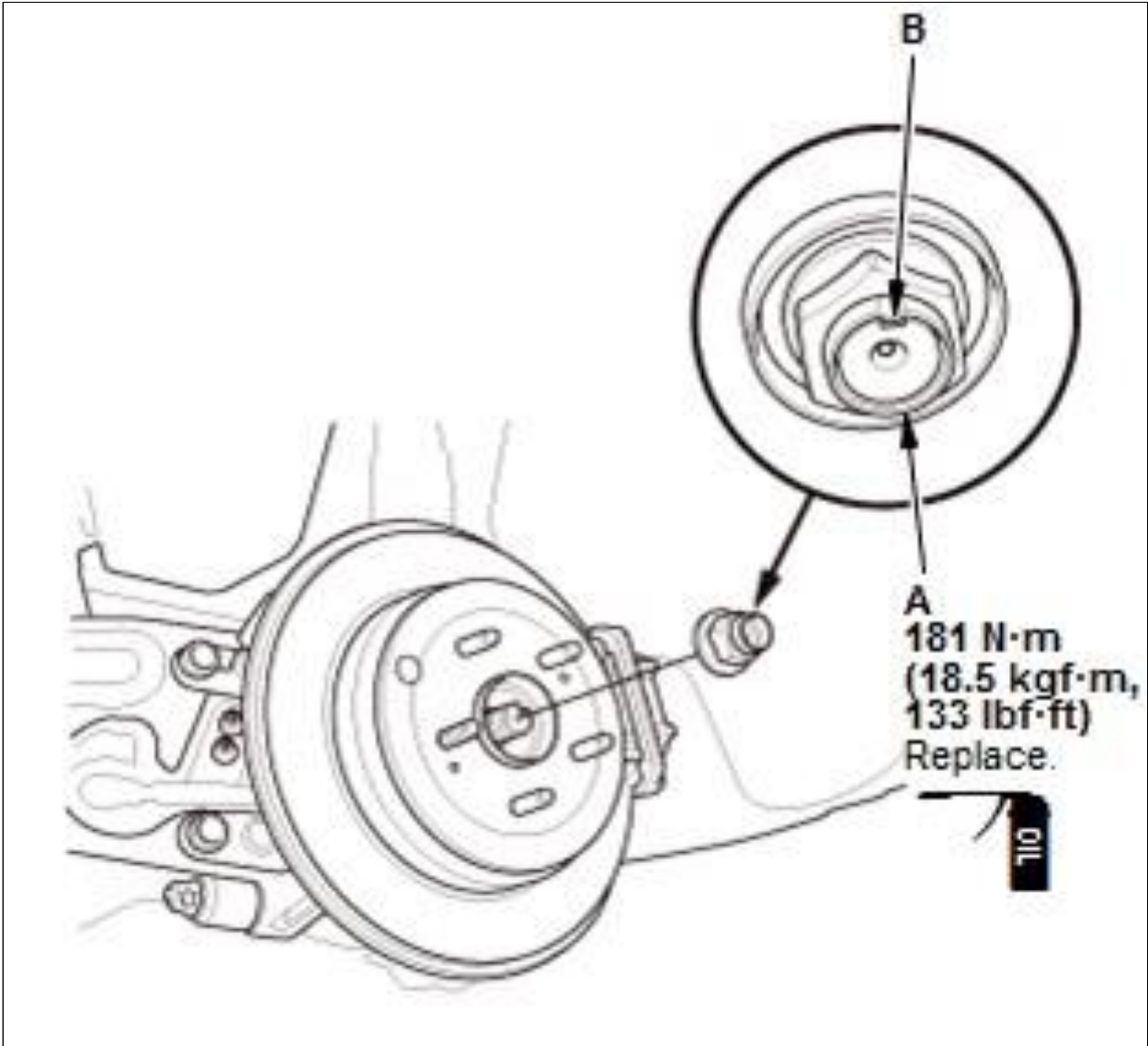
NOTE: Do not wash the rubber parts with solvent.

Courtesy of HONDA, U.S.A., INC.

2. Dry the areas where the driveshaft contacts the rear differential thoroughly with compressed air.
3. Insert the inboard end (A) of the driveshaft into the rear differential (B) until the set ring (C) locks in the groove (D). Install the rear differential assembly .

#### 4. Rear Spindle Nut - Install

Fig 1: Rear Spindle Nut With Torque Specifications

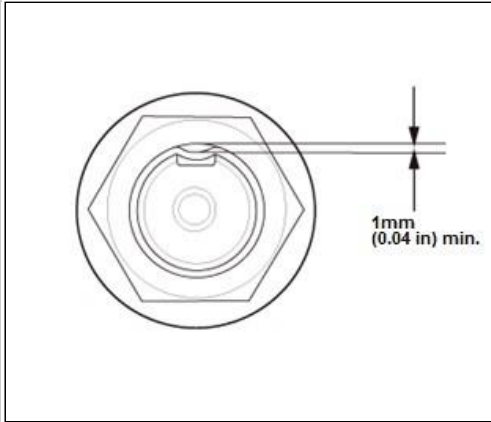


Courtesy of HONDA, U.S.A., INC.

1. Apply a small amount of engine oil to the seating surface of a new spindle nut (A)
2. Install the spindle nut
3. Use a drift to stake the spindle nut shoulder (B) against the driveshaft.

4. Check the length of the spindle nut as shown.

NOTE: Be careful not to make a crack on the locknut when staking.



Courtesy of HONDA, U.S.A., INC.

5. Rear Wheel - Install

1. Install the rear wheel .

6. Rear Driveshaft - After Install Check

1. Turn the wheel by hand, and make sure there is no interference between the driveshaft and surrounding parts.

7. Rear Differential Fluid - Refill

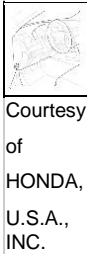
1. Refill the rear differential with the recommended fluid .

8. Vehicle - Lift

1. Lower the vehicle.

9. HDS - Connect

1. Connect the HDS to the DLC (A) located under the driver's side of the dashboard.
2. Press the engine start/stop button to select the ON mode.
3. Make sure the HDS communicates with the vehicle and the AWD control unit. If it does not, go to the symptom troubleshooting for HDS does not communicate with AWD control unit. Refer to: AWD System Symptom Troubleshooting - Abnormal noise(AWD) (2013-18), or AWD System Symptom Troubleshooting - AWD system is stuck in 4WD mode(AWD) (2013-18), or AWD System Symptom Troubleshooting - AWD system indicator does not go off, and no DTCs are stored(AWD) (2013-18), or AWD System Symptom Troubleshooting - Will not go into 4WD mode, Poor traction, Poor acceleration (at start), Poor climbing ability(AWD) (2013-18), or AWD System Symptom Troubleshooting - AWD system indicator does not come on(AWD) (2013-15), or AWD System Symptom Troubleshooting - HDS does not communicate(AWD) (2013-15) .



Courtesy of HONDA, U.S.A., INC.

10. AWD with Intelligent Control System - Air Bleed

1. Select the ADJUSTMENT in the AWD WITH INTELLIGENT CONTROL with the HDS 2. Select the AIR BLEEDING in the ADJUSTMENT with the HDS.

NOTE: See the HDS Help menu for specific instructions.

#### 11. Maintenance Minder - Reset

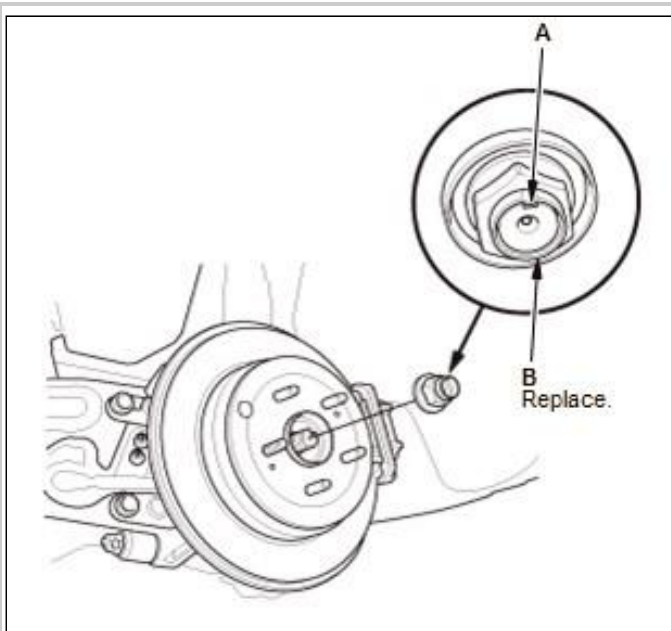
1. After doing all procedures, select the individual maintenance item you wish to reset with the HDS .

#### 12. Test Drive - Check

1. Test-drive the vehicle.

### REMOVAL & INSTALLATION > REAR DRIVESHAFT REMOVAL AND INSTALLATION(AWD) (2016-18) > REMOVAL

1. Vehicle - Lift
2. Rear Wheel - Remove
3. Rear Spindle Nut - Remove

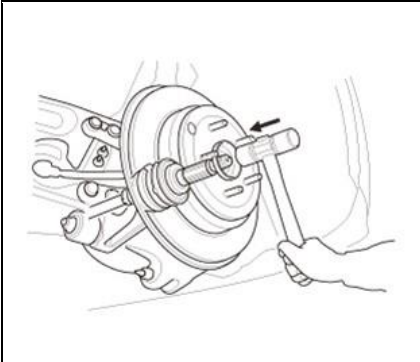


Courtesy of HONDA, U.S.A., INC.

1. Pry up the stake (A) on the spindle nut (B )
2. Remove the spindle nut.

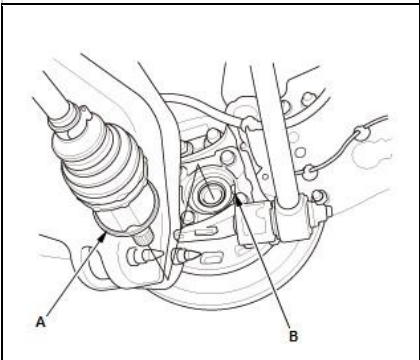
4. Rear Differential Fluid - Drain
5. Rear Differential Assembly - Remove
6. Rear Outboard Joint - Disconnect

1. Pull the knuckle outward, and separate the outboard joint from the rear hub using a soft face hammer.



Courtesy of HONDA, U.S.A., INC.

2. Remove the outboard joint (A).

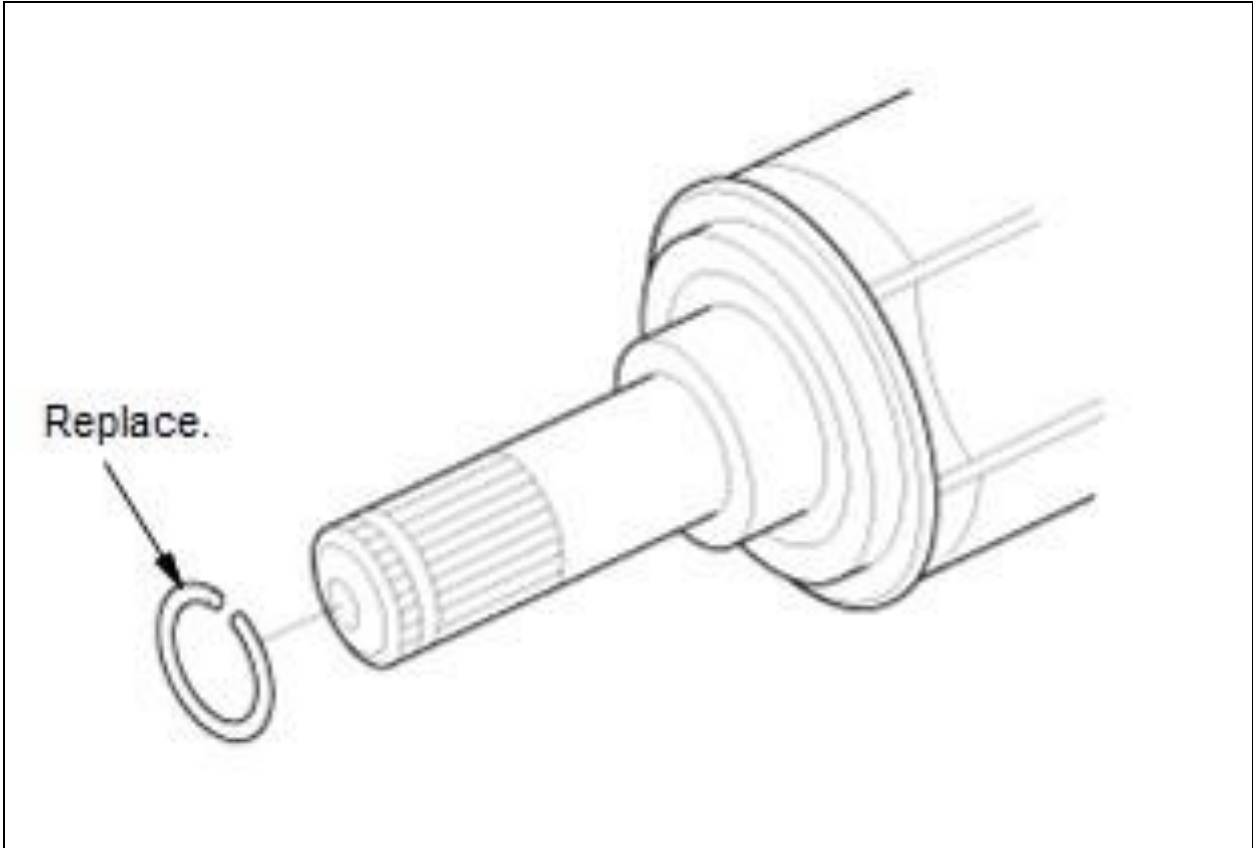


Courtesy of HONDA, U.S.A., INC.

**NOTE:**

1. Be careful not to damage the wheel speed sensor (B).
2. Pull on the outboard joint. Do not pull on the driveshaft because the joint may come apart.

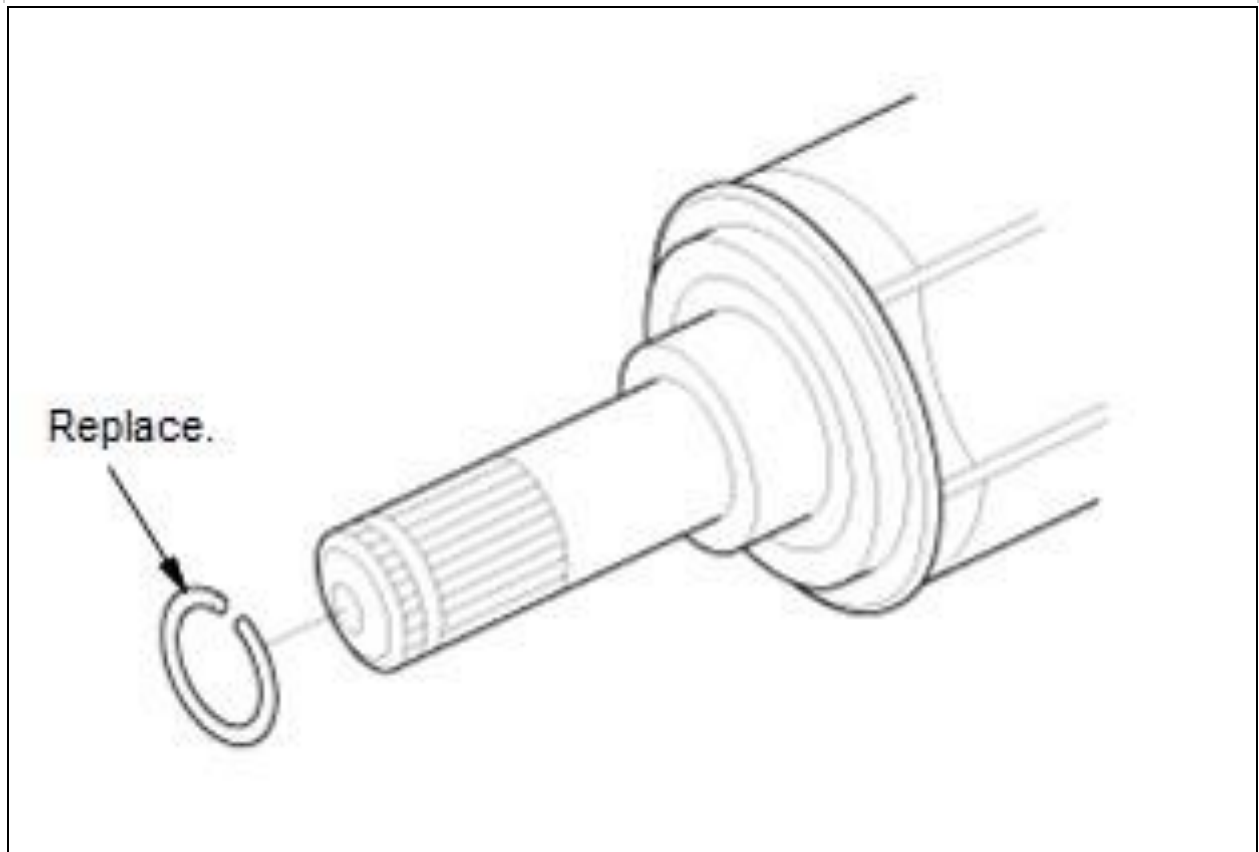
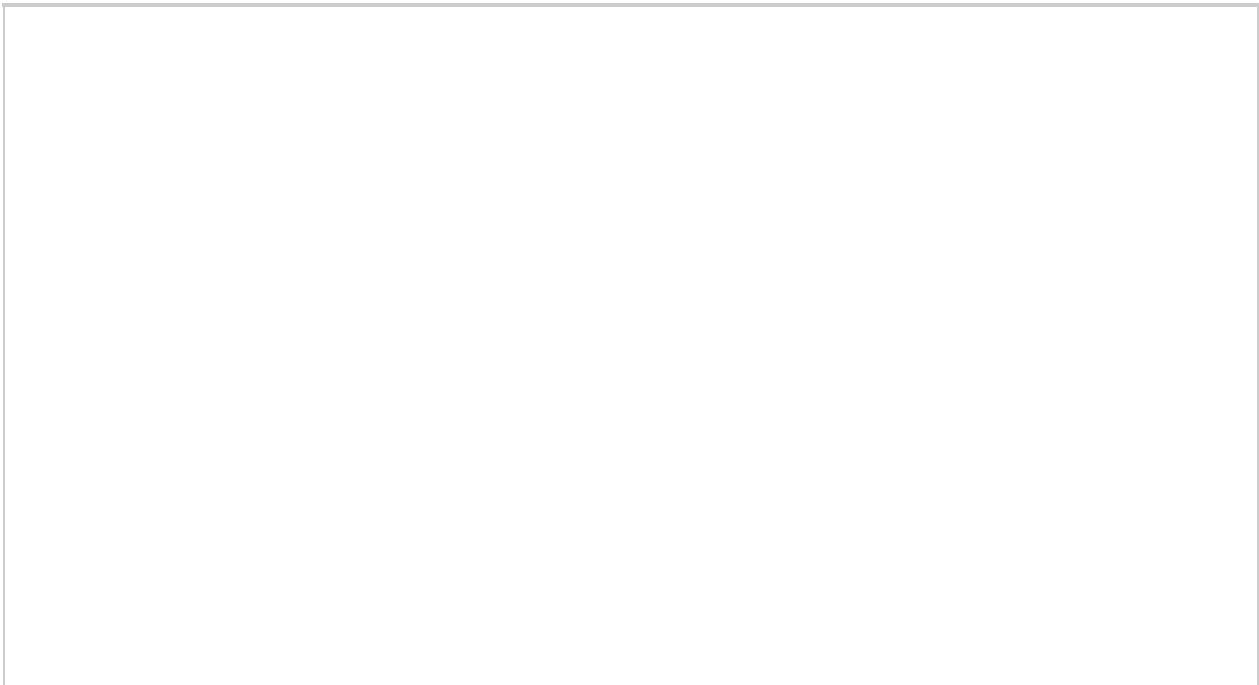
7. Set Ring - Remove



Courtesy of HONDA, U.S.A., INC.

**REMOVAL & INSTALLATION > REAR DRIVESHAFT REMOVAL AND INSTALLATION(AWD) (2016-18) > INSTALLATION**

1. Set Ring - Install

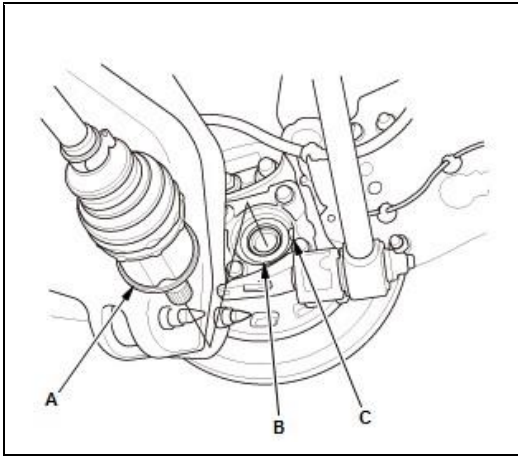


Courtesy of HONDA, U.S.A., INC.

2. Rear Outboard Joint - Connect



1. Install the outboard joint (A) into the rear hub (B).

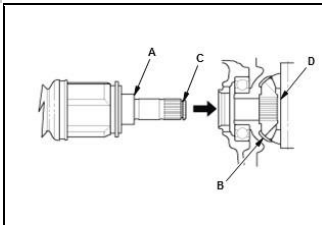


NOTE: Be careful not to damage the wheel speed sensor (C).

Courtesy of HONDA, U.S.A., INC.

### 3. Rear Inboard Joint - Connect

1. Clean the areas where the driveshaft contacts the rear differential thoroughly with solvent.



NOTE: NOTE: Do not wash the rubber parts with solvent.

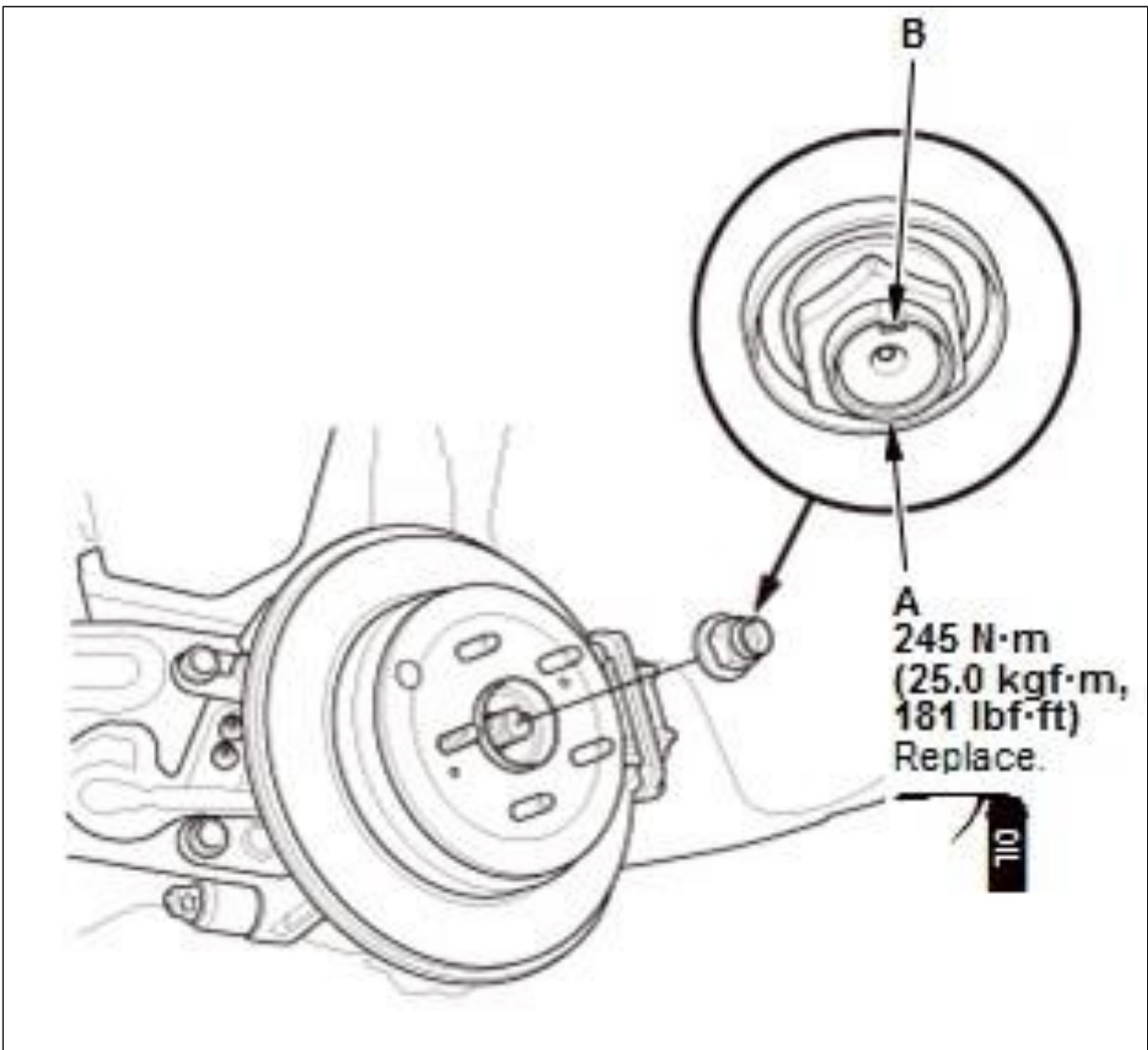
Courtesy of HONDA, U.S.A., INC.

2. Dry the areas where the driveshaft contacts the rear differential thoroughly with compressed air.  
 3. Insert the inboard end (A) of the driveshaft into the differential (B) until the set ring (C) locks in the groove (D) of the differential.



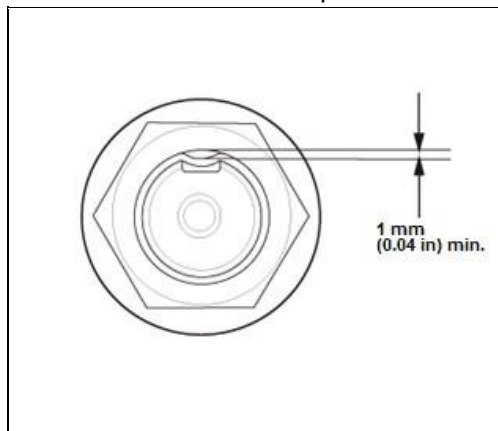
#### 4. Rear Spindle Nut - Install

Fig 1: Rear Spindle Nut With Torque Specifications



Courtesy of HONDA, U.S.A., INC.

1. Apply a small amount of engine oil to the seating surface of a new spindle nut (A)
2. Install the spindle nut
3. Use a drift to stake the spindle nut shoulder (B) against the driveshaft.



4. Check the depth of the spindle nut as shown.

NOTE: Be careful not to make a crack on the locknut when staking.

Courtesy of HONDA, U.S.A., INC.

5. Rear Wheel - Install

6. Rear Driveshaft - After Install Check

1. Turn the wheel by hand, and make sure there is no interference between the driveshaft and surrounding parts.

7. Rear Differential Fluid - Refill

8. Test Drive - Check

1. Test-drive the vehicle.

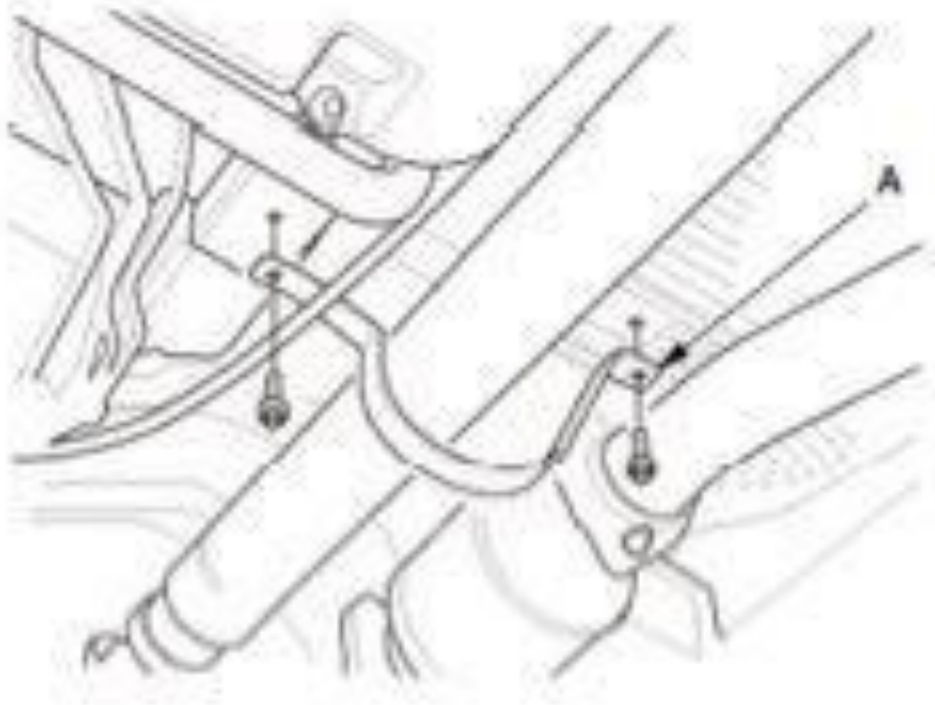
## **REMOVAL & INSTALLATION > PROPELLER SHAFT REMOVAL & INSTALLATION > REMOVAL**

1. Vehicle - Lift

2. Remove the No. 1 propeller shaft protector (A).

Fig 1: No. 1 Propeller Shaft Protector

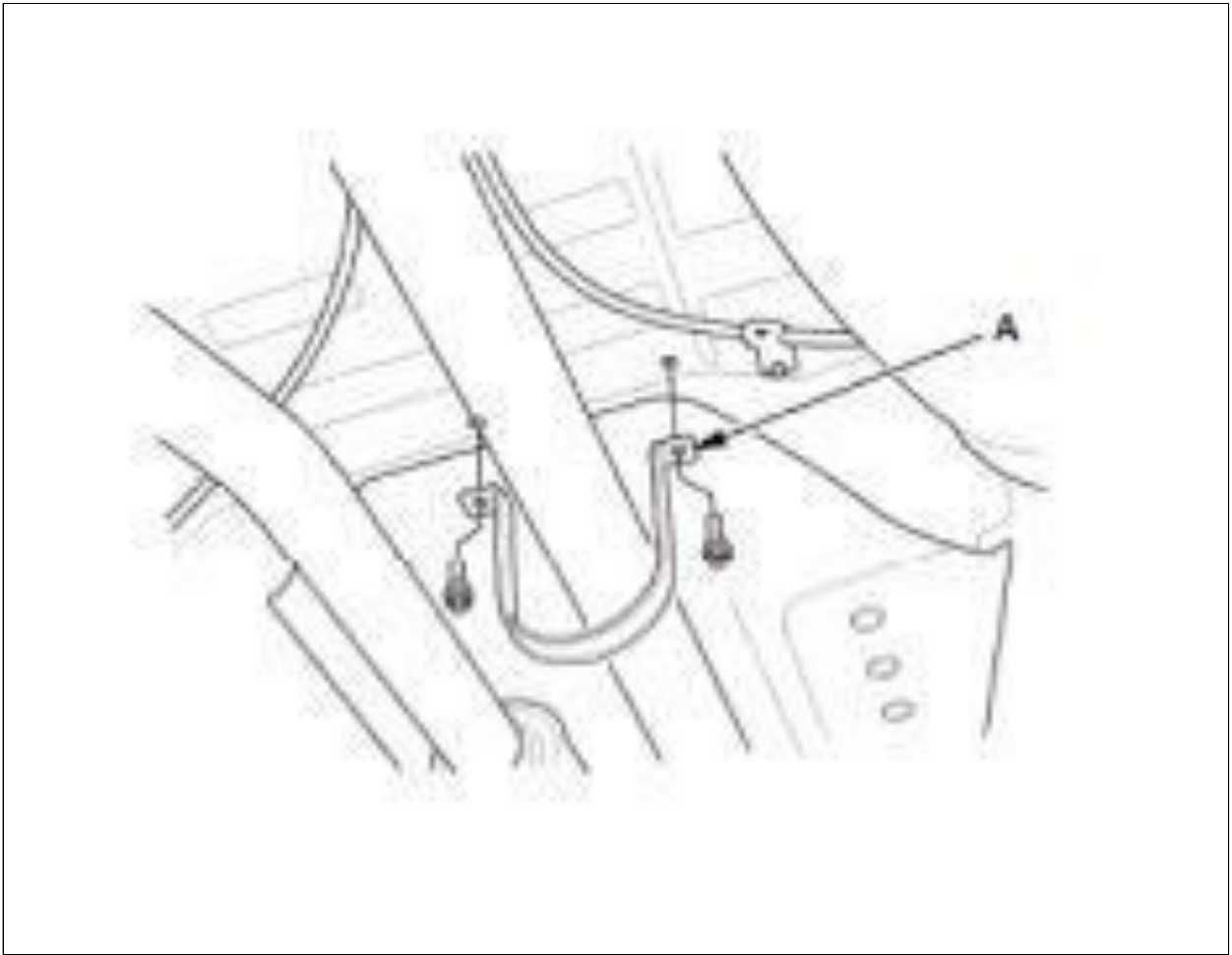
## 2. Propeller Shaft - Remove



Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the No. 2 propeller shaft protector (A).

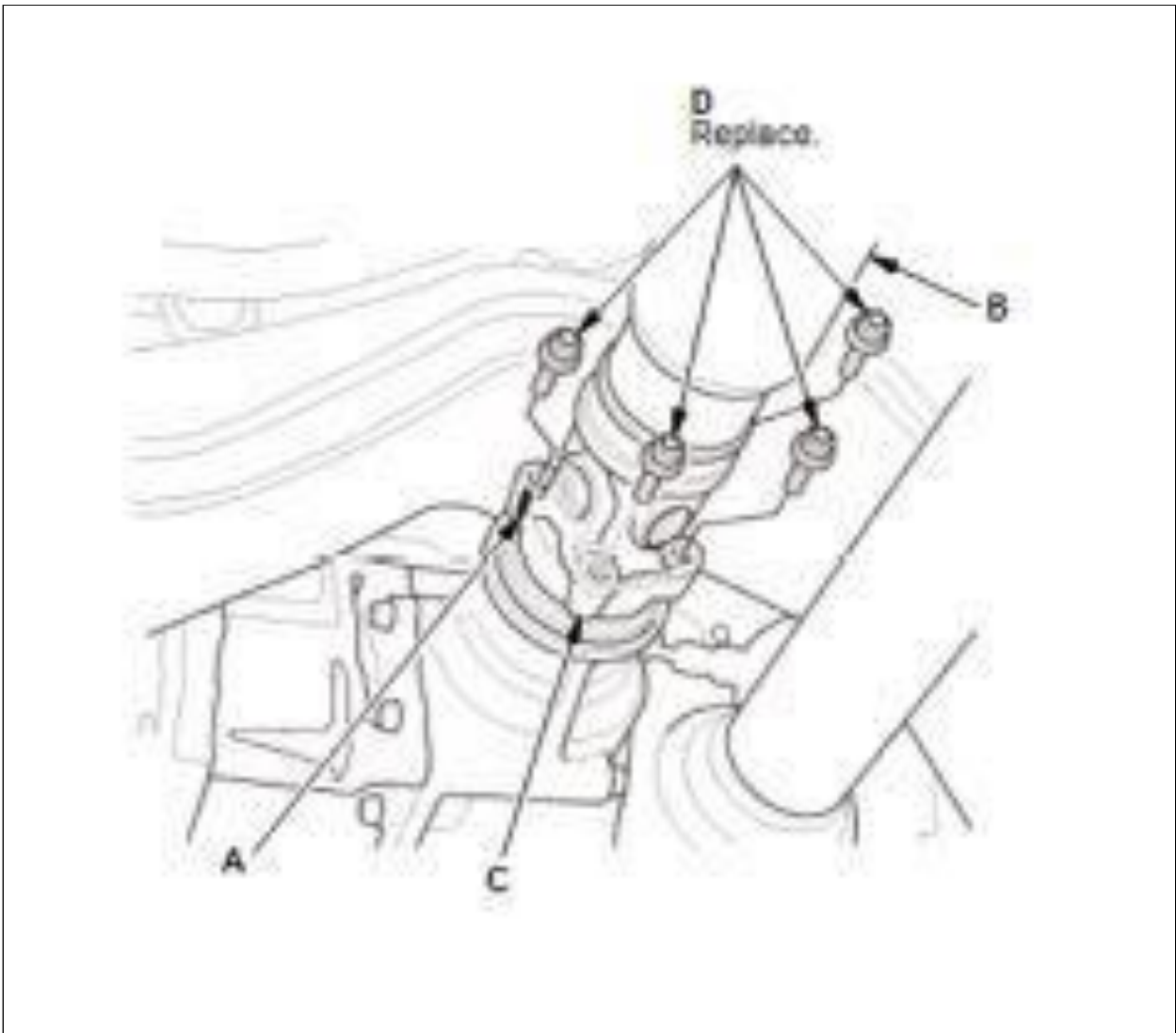
Fig 2: No. 2 Propeller Shaft Protector



Courtesy of AMERICAN HONDA MOTOR CO., INC.

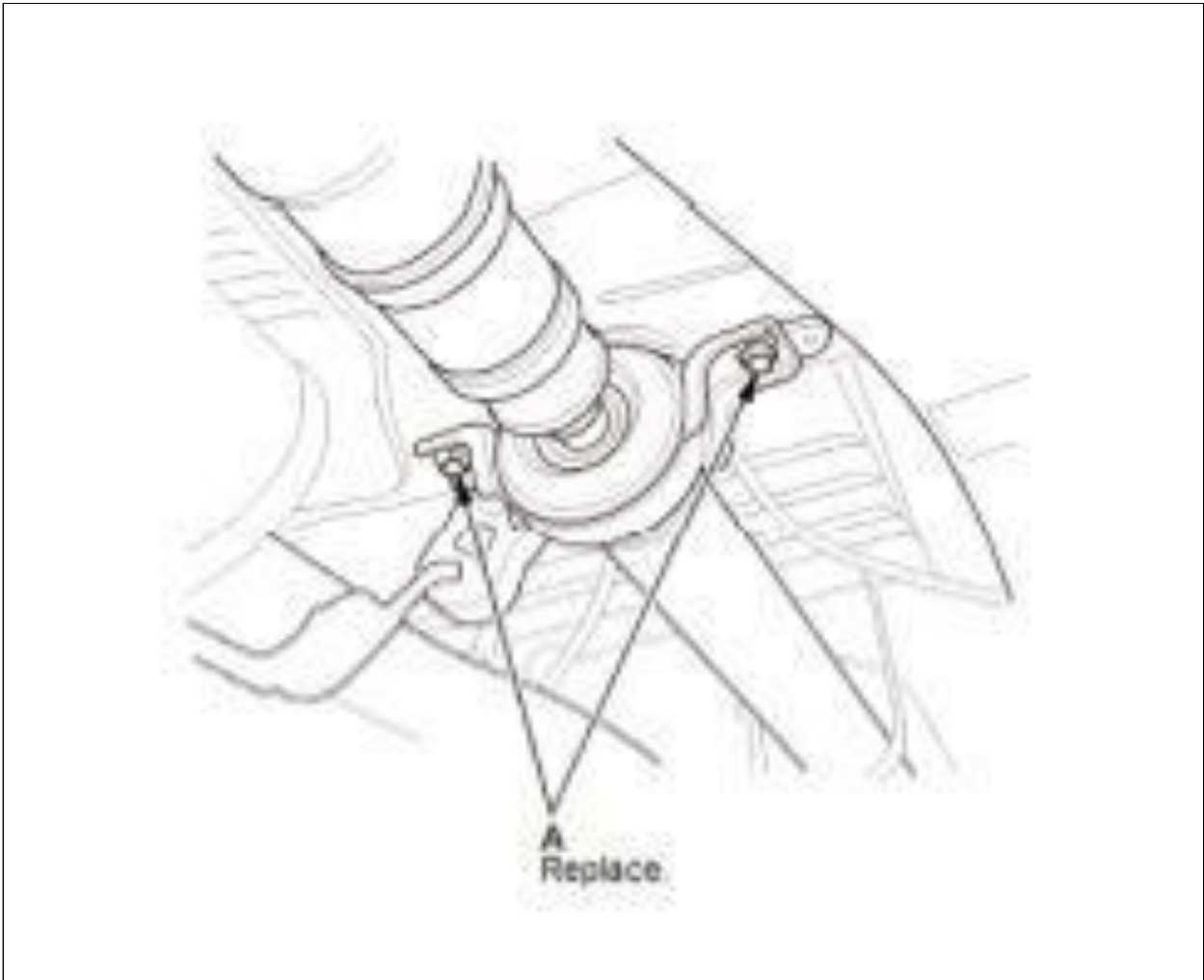
4. Make reference mark (A) across the No. 1 propeller shaft (B) and the transfer companion flange (C).
5. Remove the No. 1 propeller shaft flange bolts (D).

Fig 3: Reference Mark Placement And No. 1 Propeller Shaft Flange Bolts



Courtesy of AMERICAN HONDA MOTOR CO., INC.

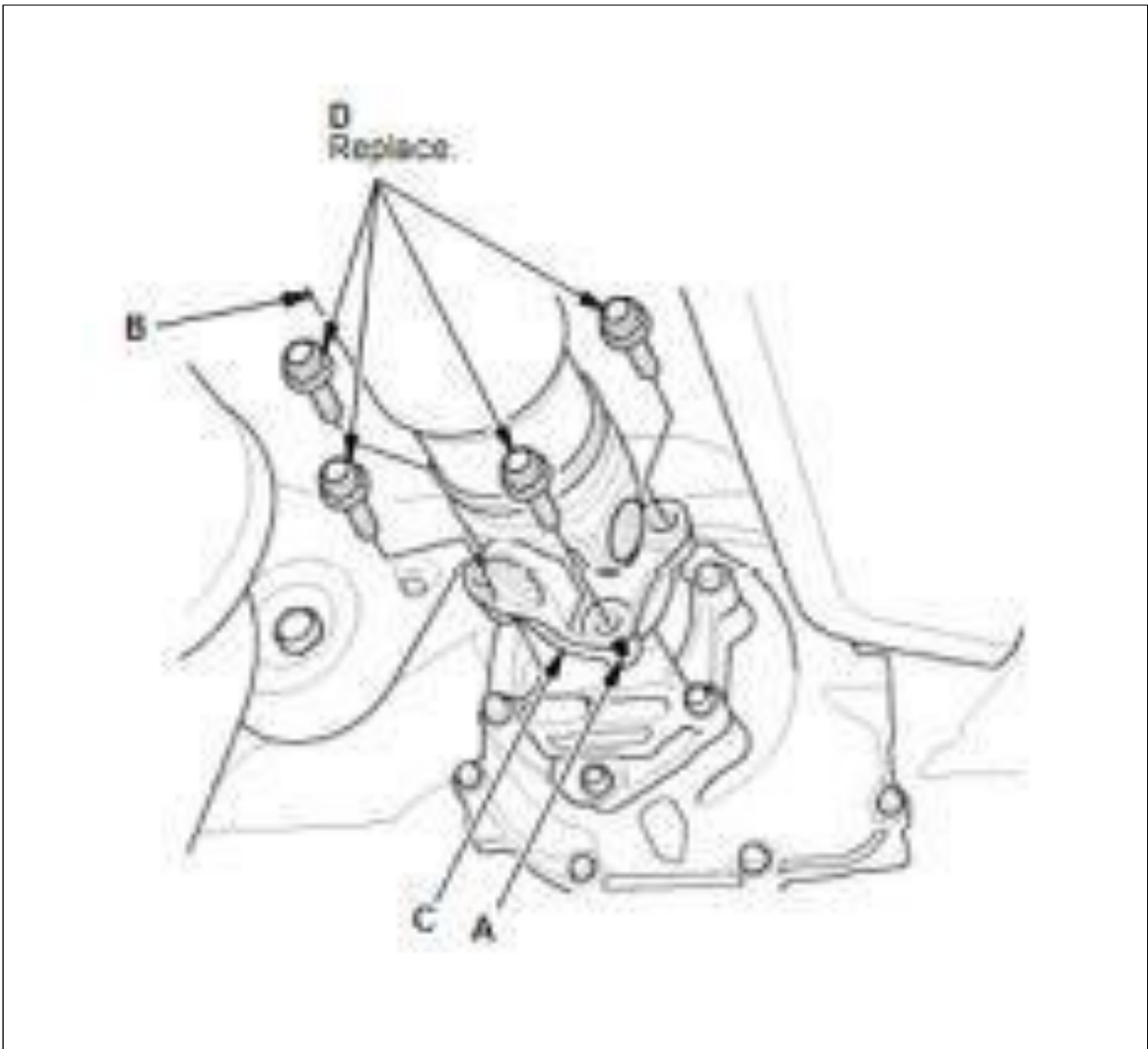
6. Remove the center support bearing mounting bolts (A).
- Fig 4: Center Support Bearing Mounting Bolts



Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Make reference mark (A) across the No. 2 propeller shaft (B) and the rear differential companion flange (C).

Fig 5: Reference Mark Placement And No. 2 Propeller Shaft Flange Bolts



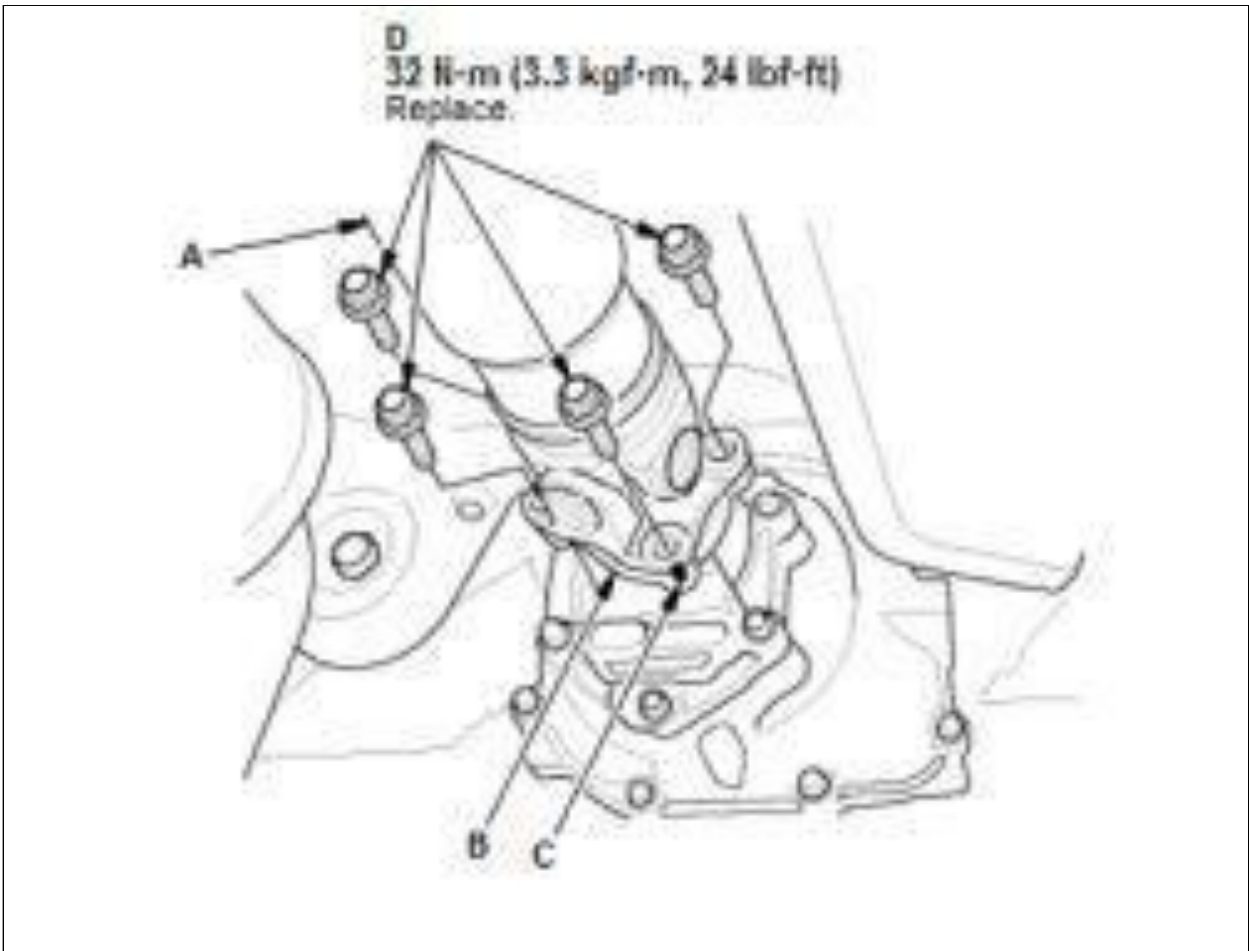
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Remove the No. 2 propeller shaft flange bolts (D).

## **REMOVAL & INSTALLATION > PROPELLER SHAFT REMOVAL & INSTALLATION > INSTALL**

1. Set the No. 2 propeller shaft (A) to the rear differential companion flange (B) by aligning the reference mark (C) you made during the removal procedure.
2. Install new No. 2 propeller shaft flange bolts (D).

Fig 1: No. 2 Propeller Shaft Flange Bolts With Torque Specifications



Courtesy of AMERICAN HONDA MOTOR CO., INC.