

September 28, 2018

Version 1

Safety Recall: 2017-18 CR-V: Steering Gearbox

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2017-18	CR-V	ALL	Check the iN VIN status for eligibility.

BACKGROUND

Due to incorrect production of the steering gearbox torque sensor, the torque sensor magnet may shift from its normal position inside the gearbox. A shifted sensor magnet may cause the steering to move left or right unexpectedly, increasing the risk of a crash.

CUSTOMER NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

Do an iN VIN status inquiry to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your new or used vehicle inventory.

Failure to repair a vehicle subject to a recall or campaign may subject your dealership to claims or lawsuits from the customer or anyone else harmed as a result of such failure. To see if a vehicle in inventory is affected by this safety recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Replace the steering gearbox. Then, do a four-wheel alignment, followed by the steering angle neutral position learning procedure.

CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
5131L9	Replace steering gearbox. (Includes alignment and steering angle neutral position process EX, EX-L, and Touring AWD models only)	3.2 hrs	6KS00	P2O00	A18103A	53620-TLA-A12
5131L9	Replace steering gearbox. (Includes alignment and steering angle neutral position process LX AWD models only)	3.2 hrs	6KS00	P2O00	A18103B	53620-TLA-A12
5131L8	Replace steering gearbox. (Includes alignment and steering angle neutral position process EX, EX-L, and Touring 2WD models only)	2.6 hrs	6KS00	P2O00	A18103C	53620-TLA-A12
5131L8	Replace steering gearbox. (Includes alignment and steering angle neutral position process LX 2WD models only)	2.6 hrs	6KS00	P2O00	A18103D	53620-TLA-A12
5131L8	Replace steering gearbox. (Includes alignment and steering angle neutral position process VIN specific LX 2WD models only)	2.6 hrs	6KS00	P2O00	A18103E	53620-TLA-A12

Skill Level: Repair Technician

PARTS INFORMATION

CR-V EX, EX-L, Touring AWD

Part Name	Part Number	Quantity
Steering Gearbox (EX, EX-L, Touring AWD models only)	53620-TLA-A12	1
A Pipe Gasket	18303-T2B-A01	1
A Pipe Gasket	18302-SP0-003	1
Flange Nut (10 mm)	90002-S10-000	4
Bolt (14 mm x 73 mm)	90108-TBA-A00	4
Bolt (12 point 8 mm x 21 mm) (AWD only)	90113-S10-000	8
Flange Bolt (12 mm x 35 mm)	90164-T0A-A00	2
Flange Bolt (12 mm x 33 mm)	90165-TLA-A00	4
Flange Bolt (14 mm x 125 mm)	90169-TLA-A01	1
Flange Bolt (10 mm x 35 mm)	90182-TLA-A00	4
Nut (10 mm)	90212-SA5-003	6
Flange Bolt (10 mm x 29 mm) (AWD only)	90382-SH9-003	2

CR-V LX AWD

Part Name	Part Number	Quantity
Steering Gearbox (LX AWD model only)	53620-TLC-A12	1
A Pipe Gasket	18302-SP0-003	1
A Pipe Gasket	18303-T2B-A01	1
Flange Nut (10 mm)	90002-S10-000	4
Bolt (14 mm x 73 mm)	90108-TBA-A00	4
Bolt (12 point 8 mm x 21 mm) (AWD only)	90113-S10-000	8
Flange Bolt (12 mm x 35 mm)	90164-T0A-A00	2
Flange Bolt (12 mm x 33 mm)	90165-TLA-A00	4
Flange Bolt (14 mm x 125 mm)	90169-TLA-A01	1
Flange Bolt (10 mm x 35 mm)	90182-TLA-A00	4
Nut (10 mm)	90212-SA5-003	6
Flange Bolt (10 mm x 29 mm) (AWD only)	90382-SH9-003	2

CR-V EX, EX-L, Touring 2WD

Part Name	Part Number	Quantity
Steering Gearbox (EX, EX-L, Touring 2WD models only)	53620-TLB-A22	1
A Pipe Gasket	18303-T2B-A01	1
A Pipe Gasket	18302-SP0-003	1
Flange Nut (10 mm)	90002-S10-000	4
Bolt (14 mm x 73 mm)	90108-TBA-A00	4
Flange Bolt (12 mm x 35 mm)	90164-T0A-A00	2
Flange Bolt (12 mm x 33 mm)	90165-TLA-A00	4
Flange Bolt (14 mm x 125 mm)	90169-TLA-A01	1
Flange Bolt (10 mm x 35 mm)	90182-TLA-A00	4
Nut (10 mm)	90212-SA5-003	6

CR-V LX 2WD

Part Name	Part Number	Quantity
Steering Gearbox (LX 2WD model only)	53620-TLD-A02	1
A Pipe Gasket	18303-T2B-A01	1
A Pipe Gasket	18302-SP0-003	1
Flange Nut (10 mm)	90002-S10-000	4
Bolt (14 mm x 73 mm)	90108-TBA-A00	4
Flange Bolt (12 mm x 35 mm)	90164-T0A-A00	2
Flange Bolt (12 mm x 33 mm)	90165-TLA-A00	4
Flange Bolt (14 mm x 125 mm)	90169-TLA-A01	1
Flange Bolt (10 mm x 35 mm)	90182-TLA-A00	4
Nut (10 mm)	90212-SA5-003	6

TOOL INFORMATION

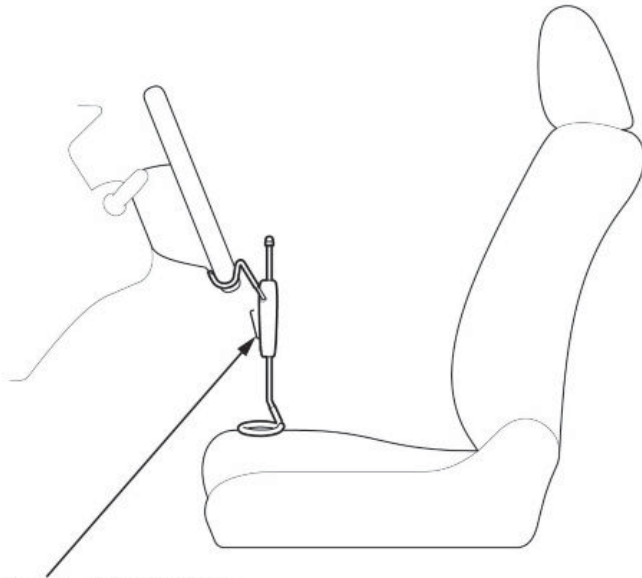
Tool Name	Tool Number	Quantity
Subframe Adapter	VSB02C000016	1

REPAIR PROCEDURE

NOTE

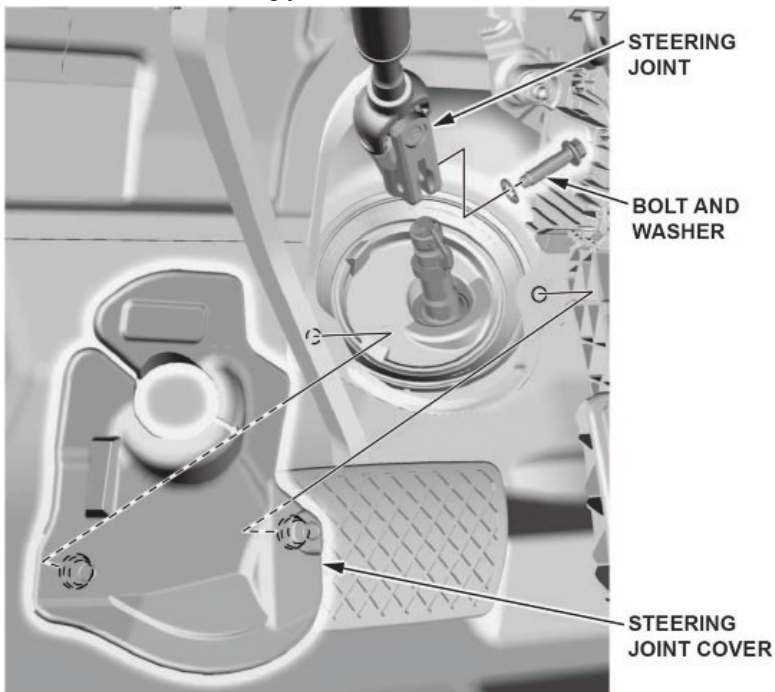
For more information about the procedures listed below, refer to the service information.

1. Set the steering column to the center tilt position and center telescopic position. Use the steering wheel holder tool to keep in place.



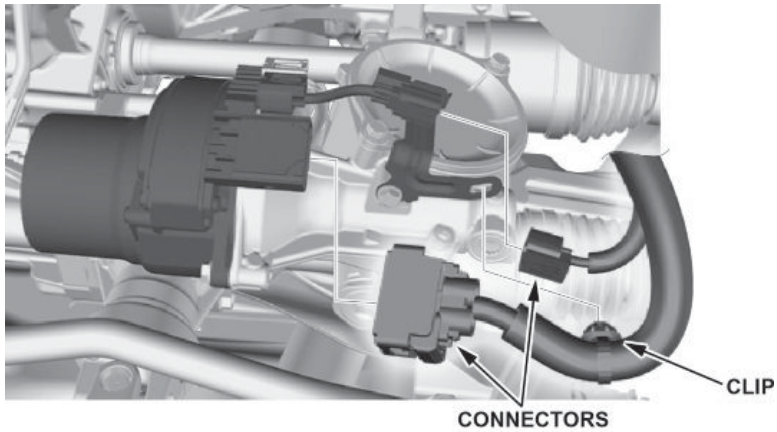
STEERING WHEEL HOLDER TOOL

2. Write down audio unit presets and disconnect the 12-volt battery.
3. Raise the vehicle on a lift.
4. Remove the front wheels.
5. Disconnect the steering joint.

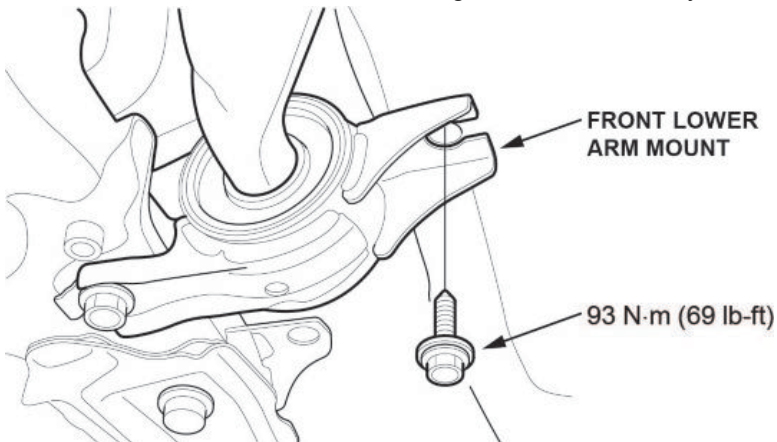


6. Disconnect the tie-rod end ball joints on both sides of the vehicle.
7. Remove the engine undercover.

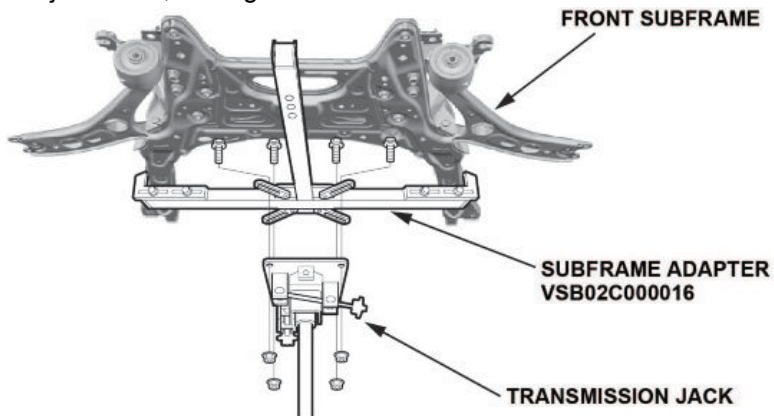
8. Disconnect the EPS subharness, and remove the connectors from the harness clips.



9. Disconnect both sides of the stabilizer link from the stabilizer bar.
10. Disconnect the front lower arm on both sides.
11. Remove exhaust pipe A.
12. *Vehicle with AWD*: Remove the propeller shaft.
13. Remove the lower torque rod.
14. Remove the front brace.
15. Remove both front lower arm mounting bolts from the body.



16. Set the subframe adapter on a transmission jack, line up the slots in the arms with the bolt holes on the corner of the jack base, and tighten the bolts.



17. Attach the subframe adapter to the front subframe, and remove the bolts holding the subframe.
18. Using the transmission jack, lower the front subframe until it drops from the body.

NOTE

Do not lower the front subframe more than required.

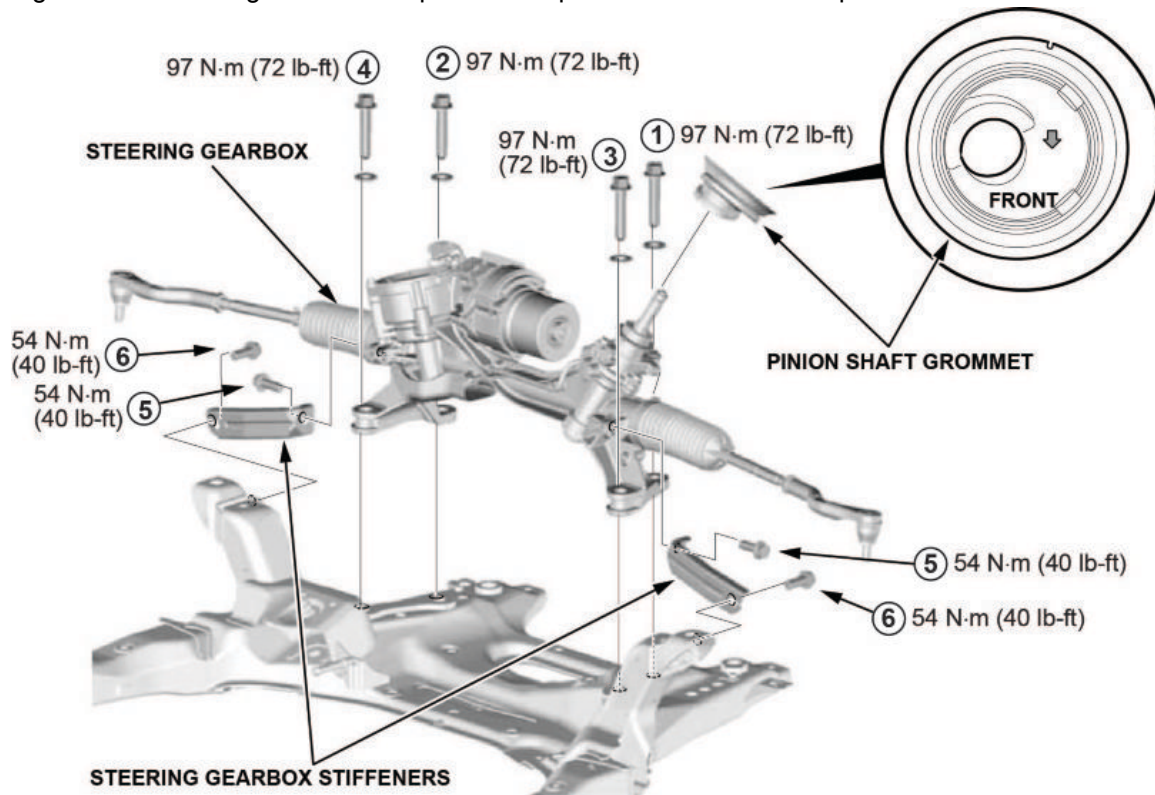
19. Remove the steering gearbox through the opening between the body and the front subframe.

INSTALLATION

NOTE

During the assembly process, replace all required parts.

1. Loosely install the new steering gearbox and new steering gearbox stiffeners to the front subframe with new mounting bolts.
2. Tighten the mounting bolts to the specified torque in the numbered sequence shown.

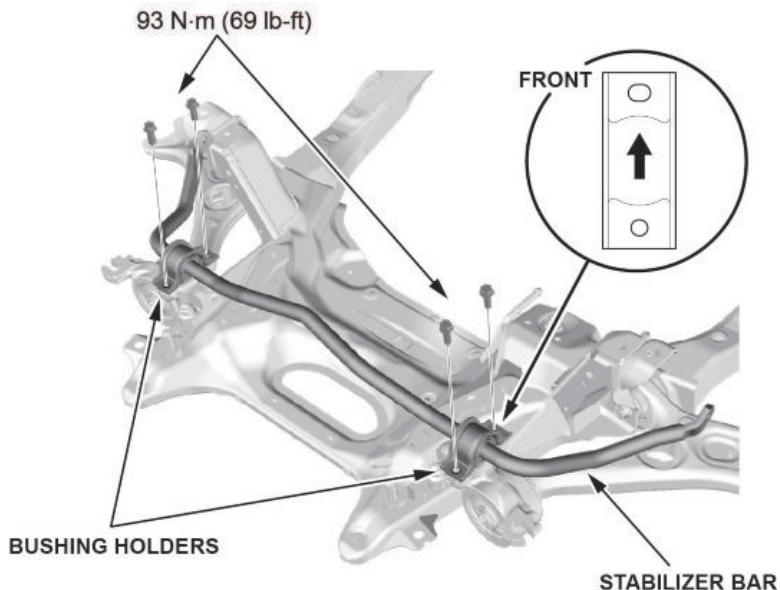


3. Install the pinion shaft grommet.

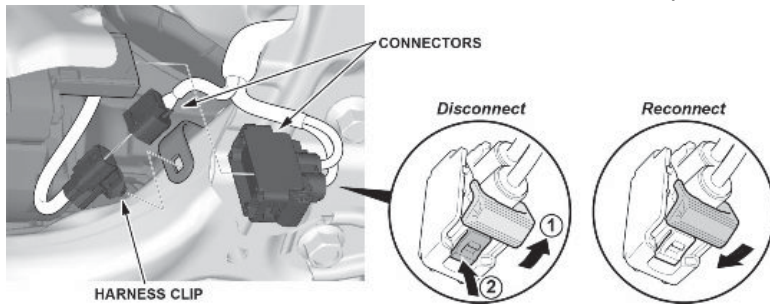
NOTICE

Install the grommet with the arrow facing towards the front of the vehicle.

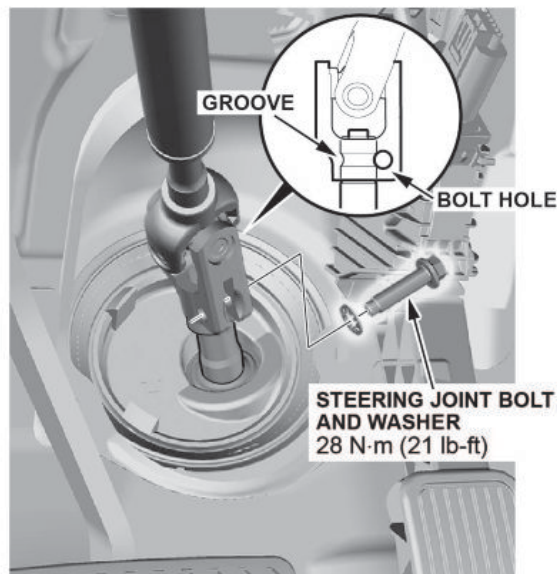
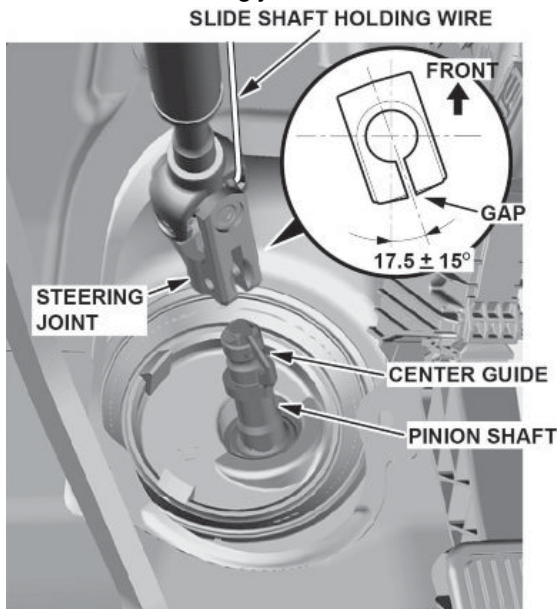
4. Install the front stabilizer bar bushing holder on both sides.



5. Install the front lower arm mounting bolt on both sides of the body.
6. Install the lower torque rod.
7. Install the front brace.
8. *Vehicles with AWD:* Install the propeller shaft.
9. Install exhaust pipe A with new gaskets.
10. Connect the lower arm ball joints on both sides.
11. Connect the stabilizer link to the stabilizer bar.
12. Connect the EPS subharness, and install the harness clip.



13. Install the engine undercover.
14. Connect the tie-rod end ball joints on both sides.
15. Connect the steering joint.



16. Install the front wheels.
17. Connect the 12 volt battery.

18. With the tires raised off the ground, check for the following symptoms on the steering gearbox by turning the steering wheel fully to the right and left several times. If you hear any of the symptoms listed below, check for a probable cause.

Symptom	Probable cause
Rubbing sound coming from the lower steering column area.	Steering column joint is contacting the cover.
Noise from the lower steering column area, or a rough feeling during steering.	Poor engagement of the pinion shaft serrations.
Noise from around the steering wheel during steering.	Poor engagement of the SRS cable reel with the steering wheel, or a damaged cable reel.

19. Check these items with the vehicle on the ground:

- Start the engine, let it idle, and turn the steering wheel from lock to lock several times.
- Make sure the EPS indicator does not come on.
- Check the power steering assist.
- Confirm the steering wheel is centered. If not centered, check for proper engagement and/or alignment of the steering column coupler and steering gearbox spline.

20. Do a four-wheel alignment.

21. Do the steering angle neutral position learning procedure.

END