

Classification:

ST19-002

Reference:

ITB19-032

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Date:

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## 2018-2019 QX80; STEERING WHEEL JUDDERS WHILE TURNING AT LOW SPEED

**APPLIED VEHICLES:** 2018-2019 QX80 (Z62)  
**APPLIED VIN AND DATES:** Built before: JN8AZ2NE(\*)K9 230352 / October 23, 2018  
JN8AZ2NF(\*)K9 683168 / October 23, 2018

### IF YOU CONFIRM

The vehicle has a judder in the steering wheel while turning and only at speeds between 1-9 MPH.

### ACTION

Replace the power steering high pressure piping with the part listed in the **Parts Information** on page 6.

**IMPORTANT:** Inform the customer that this repair will reduce, but does not eliminate the amount of judder felt in the steering wheel during low speed parking lot maneuvers.

**IMPORTANT:** The purpose of ACTION (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire SERVICE PROCEDURE as it contains information that is essential to successfully completing this repair.

Infiniti Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Infiniti retailer to determine if this applies to your vehicle.

# Power Steering Hose Diagram

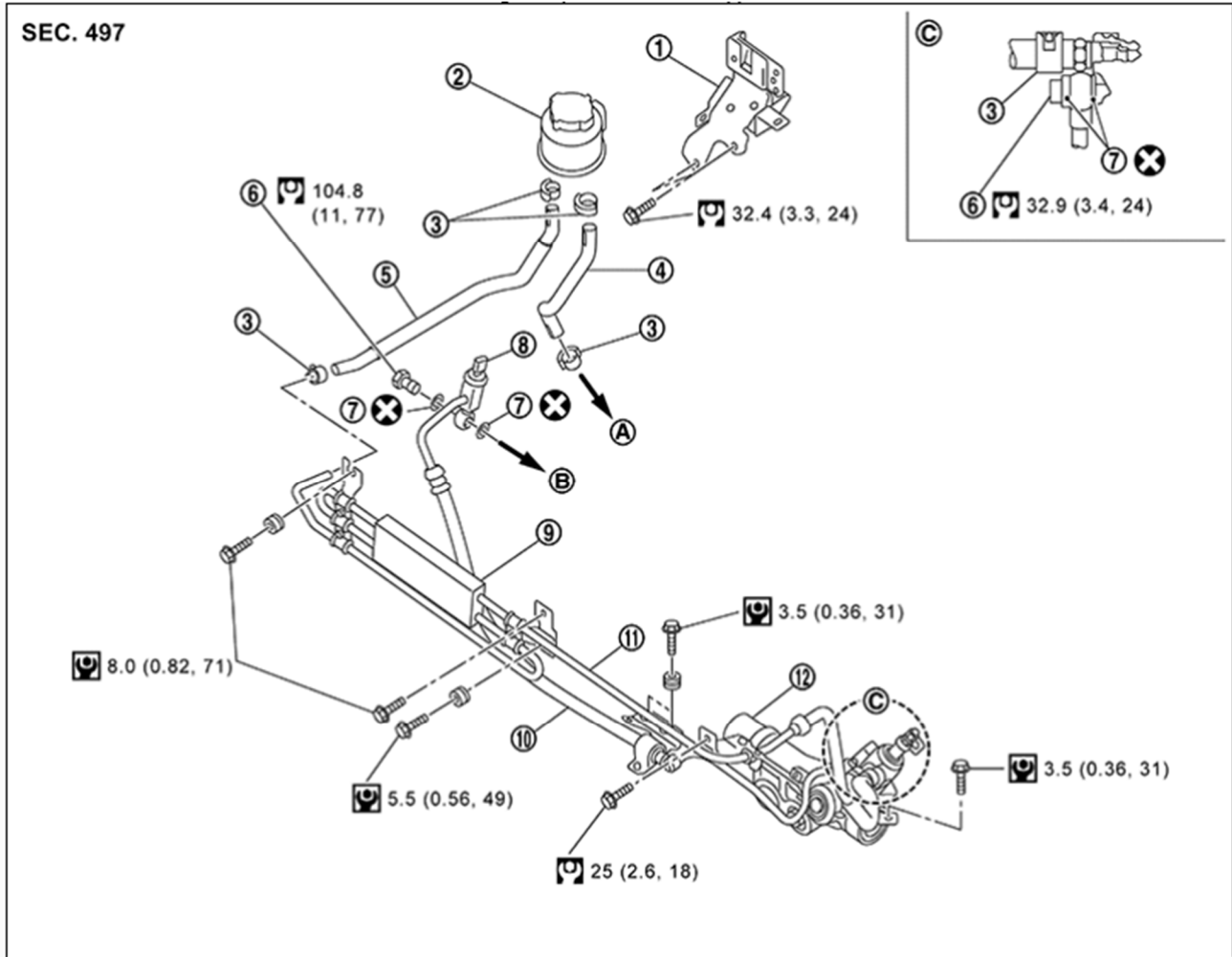




Figure 1

- |                           |                         |                            |
|---------------------------|-------------------------|----------------------------|
| 1. Reservoir tank bracket | 2. Reservoir tank       | 3. Clamp                   |
| 4. Suction hose           | 5. Return hose          | 6. Eye bolt                |
| 7. Copper washer          | 8. Pressure sensor      | 9. Oil cooler              |
| 10. High Pressure piping  | 11. Low pressure Piping | 12. Steering gear assembly |

 Always replace after every disassembly

 N·m (kg-m, ft-lb)

 N·m (kg-m, in-lb)

## SERVICE PROCEDURE

1. Place the vehicle on a lift.
2. Open the hood.
3. Raise the vehicle to a comfortable work height.
4. Turn the right front wheel to the right as shown in Figure 2.



Figure 2

5. Place a pan under the vehicle to catch any lost power steering fluid.
6. Unbolt the power steering high pressure piping eye-bolt (see Figure 4).
  - The eye-bolt is 24 mm.

**NOTICE** The plastic fender protector has been pulled outward in Figure 4 to allow a clear view of the high pressure piping eye-bolt and power steering pressure sensor's harness. Pull on the fender protector just enough to access the eye-bolt and connector. Do not pull any further or a crease may form and the protector may be permanently damaged.

7. Disconnect the power steering pressure sensor's harness connector (see Figure 4).

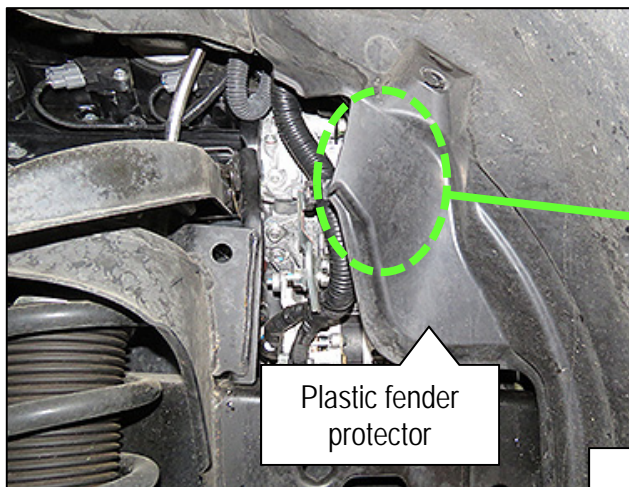


Figure 3

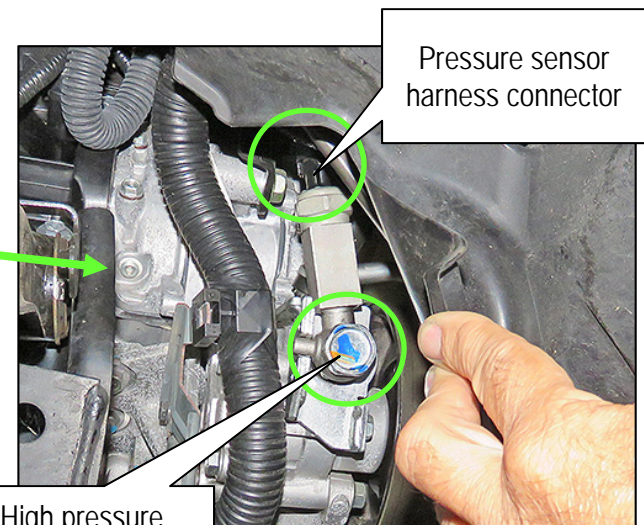


Figure 4

8. Raise the vehicle to a comfortable height and remove the engine under cover.

- The engine under cover is attached with four (4) 13 mm bolts.

**NOTE:** Figure 5 is shown with the engine under cover removed.

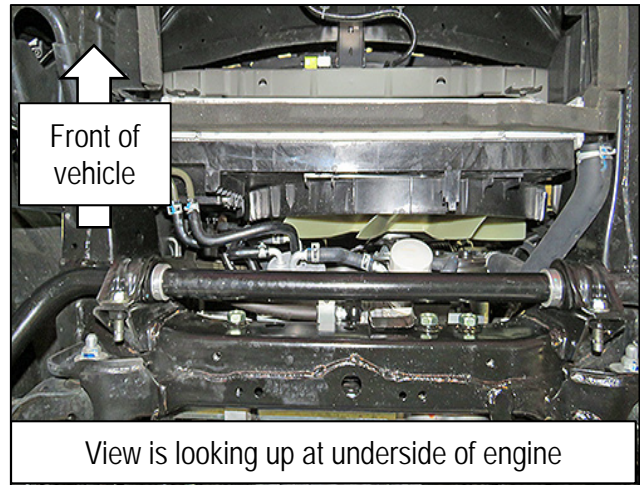


Figure 5

9. Remove the high pressure piping eye-bolt and one (1) high pressure piping bracket bolt (see Figure 6), and then remove the high pressure piping from the vehicle.

- The eye-bolt is 14 mm.
- The bracket bolt is 10 mm.

10. Transfer the rubber bracket bushing to the new high pressure piping.

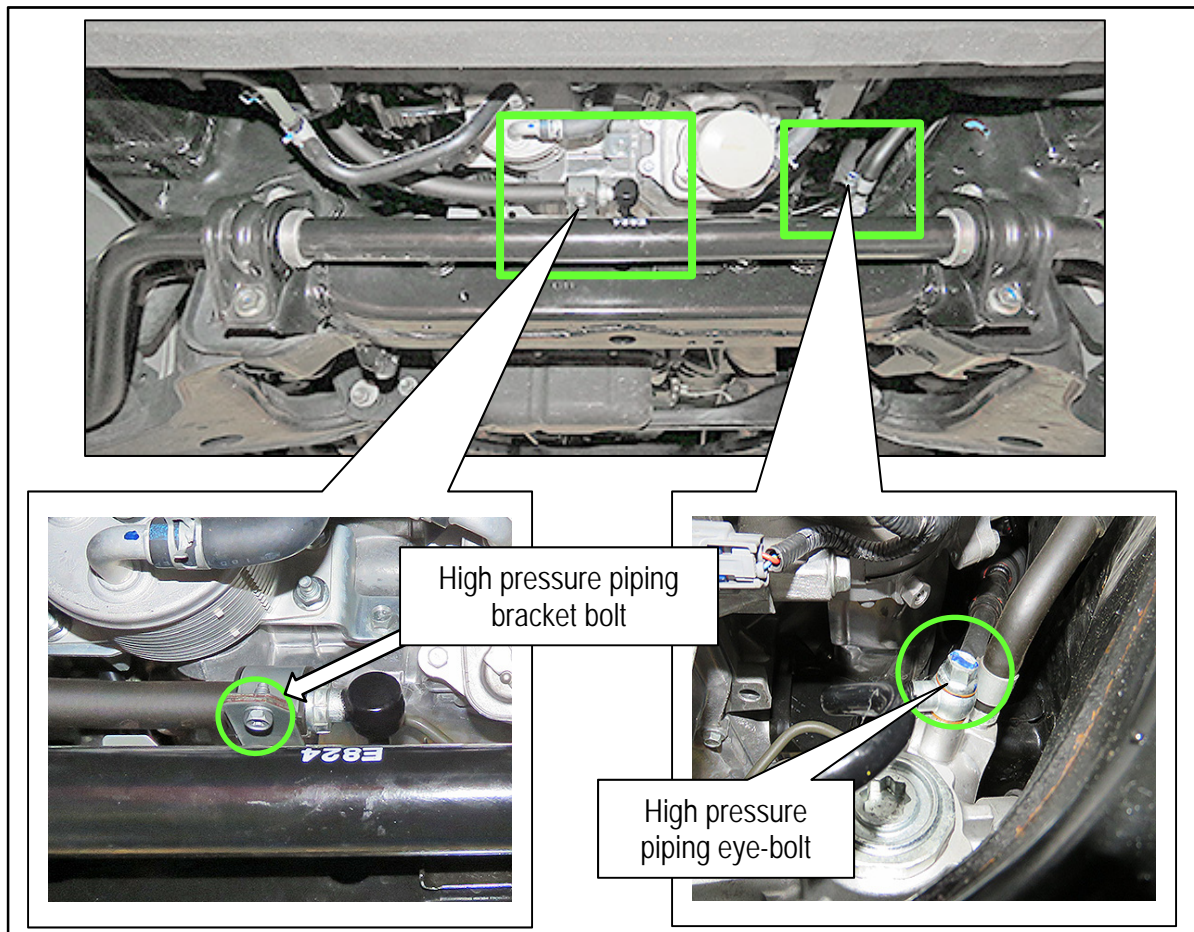


Figure 6

11. Install the new high pressure hose listed in the **Parts Information** section of this bulletin below.
  - Refer to the **Power Steering Hose Diagram** on page 2 for the component specific torque specification.
12. Fill the power steering reservoir to the appropriate level.
13. Start the engine and slowly turn the steering wheel from side to side to purge any air from the power steering system.
14. Recheck the power steering fluid level and fill as needed.

**PARTS INFORMATION**

DESCRIPTION	PART NUMBER	QUANTITY
High Pressure Piping	(1)	1
Copper Washer	49726-Y0100	2
Copper Washer	49726-50W00	2
Nissan Power Steering Fluid (2) (3)	999MP-AG000P (4)	(5)

- (1) Reference the electronic parts catalog and use the VIN to look up the vehicle specific high pressure piping.
- (2) Order this item through the Infiniti Maintenance Advantage program: Phone 877-INF-IMA1 (877-463-4621). Website order via link on the dealer portal; www.NNAnet.com and click on the "Maintenance Advantage-Tire/Battery/Chemical" link.
- (3) For warranty repairs, Nissan Power Steering Fluid must be used. For customer pay repairs, Nissan Power Steering Fluid or an equivalent is recommended.
- (4) Bill out Nissan Power Steering Fluid under expense code 004. Do not include the Nissan Power Steering Fluid part number on the claim.
- (5) One container of Nissan Power Steering Fluid is good for approximately 8 repairs.

**CLAIMS INFORMATION**

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Install High Pressure Piping	(1)	QE36AA	ZE	32	(2)

- (1) Reference the Electronic Parts Catalog and use the High Pressure Piping (49720-\*\*\*\*\*) as the Primary Failed Part (PFP).
- (2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

**EXPENSE CODE**

EXPENSE CODE	DESCRIPTION	MAX AMOUNT
004	Nissan Power Steering Fluid	\$0.75

**AMENDMENT HISTORY**

PUBLISHED DATE	REFERENCE	DESCRIPTION
October 18, 2019	NTB19-032	Original bulletin published

