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# SERVICE BULLETIN

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Classification: FA17-003	Reference: NTB17-026	Date: March 7, 2017
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## BALL JOINT AXIAL END PLAY PROCEDURE

- APPLIED VEHICLES:**
- 2003-2008 350Z Coupe (Z33)
  - 2009-2017 370Z Coupe (Z34)
  - 2004-2009 350Z Roadster (Z33)
  - 2010-2017 370Z Roadster (Z34)
  - 2004-2015 Armada (TA60)
  - 2017 Armada (Y62)
  - 1998-2004 Frontier (D22)
  - 2005-2017 Frontier (D40)
  - 2009-2017 GT-R (R35)
  - 2013-2017 NV200 (M20)
  - 2012-2017 NV Cargo and Passenger Van (F80)
  - 2005-2012 Pathfinder (R51)
  - 2014-2017 TAXI
  - 2004-2015 Titan (A60)
  - 2016-2017 Titan/Titan XD (A61)
  - 2000-2004 Xterra (WD22)
  - 2005-2015 Xterra (N50)

### SERVICE INFORMATION

When working on the front suspension, use the updated service information in this bulletin along with the Electronic Service Manual (ESM).

The updated information in this bulletin is a correction and a supplement to the ESM.

Nissan 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 Nissan dealer to determine if this applies to your vehicle.

# FRONT SUSPENSION ASSEMBLY

## Periodic Maintenance

### Inspection

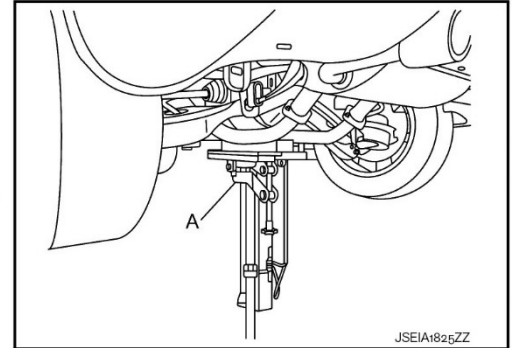
INFOID:000000013710673

#### Ball Joint Axial End Play

##### **WARNING:**

When moving the front tires up and down by hand, place a jack (A) at the rear floor jack lift point to stabilize the vehicle or the vehicle could rock and fall off the lift resulting in serious personal injury or death.

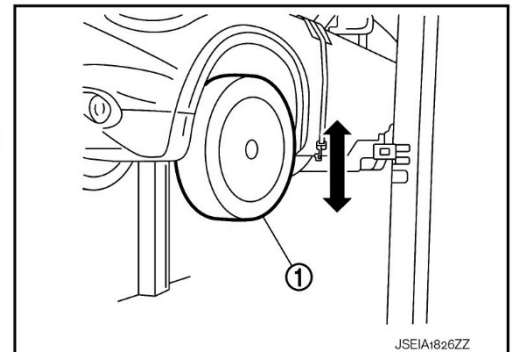
1. Set front wheels in a straight-ahead position.
2. Check ball joint boot for cracks or other damage. If there are cracks or other damage, replace transverse link.



3. Lift the vehicle and move the tires ① up and down by hand to check if the ball joint has a backlash. If it has a backlash, replace trans-verse link.

##### **NOTE:**

- If a rattling noise is generated while travelling, check ball joint axial end play.
- If a roaring noise is generated while travelling, check if the wheel hub assembly bearing has a axial end play. Refer to [Inspection](#).



## TRANSVERSE LINK

### Removal and Installation

#### Inspection and Adjustment

##### INSPECTION AFTER REMOVAL

##### Axial End Play Inspection

1. Move the ball stud at least ten times by hand to check for smooth movement.
  2. Move tip of ball stud in axial direction to check for looseness.
- If there is axial end play, replace transverse link assembly.

# UPPER LINK

## Removal and Installation

### Inspection and Adjustment

#### INSPECTION AFTER REMOVAL

##### Axial End Play Inspection

1. Move the ball stud at least ten times by hand to check for smooth movement.
  2. Move tip of ball stud in axial direction to check for looseness.
- If there is axial end play, replace upper link assembly.

## SERVICE DATA AND SPECIFICATIONS (SDS)

### Ball Joint

Item		Standard
Swing torque	Transverse link	0.5 – 3.6 N·m (0.06 – 0.36 kg-m, 5 – 31 in-lb)
	Upper link	0 – 2.0 N·m (0 – 0.20 kg-m, 0 – 17 in-lb)
Measurement on spring balance	Transverse link	7.8 – 56.3 N (0.8 – 5.7 kg, 1.8 – 12.6 lb)
	Upper link	0 – 61.5 N (0 – 6.2 kg, 0 – 13.8 lb)
Rotating torque	Transverse link	0.5 – 3.9 N·m (0.06 – 0.39 kg-m, 5 – 34 in-lb)