

Classification:

Reference:

Date:

FA17-004

ITB17-018

March 7, 2017

BALL JOINT AXIAL END PLAY PROCEDURE

| | | |
|--------------------------|---------------------------------|---------------------------------|
| APPLIED VEHICLES: | 2008-2012 EX35 (J50) | 2015 Q40 (V36) |
| | 2013 EX37 (J50) | 2014-2017 Q50 (V37) |
| | 2009-2012 FX50/FX35 (S51) | 2014-2017 Q50 Hybrid (V37) |
| | 2013 FX50/FX37 (S51) | 2017 Q60 (V37) |
| | 2011-2012 G25 Sedan (V36) | 2014-2015 Q60 Convertible (V36) |
| | 2003-2006 G35 Sedan (V35) | 2014-2015 Q60 Coupe (V36) |
| | 2003-2007 G35 Coupe (V35) | 2014-2017 Q70 (Y51) |
| | 2007-2008 G35 Sedan (V36) | 2014-2017 Q70 Hybrid (Y51) |
| | 2009-2013 G37 Convertible (V36) | 2014-2017 QX50 (J50) |
| | 2008-2013 G37 Coupe (V36) | 2014-2017 QX70 (S51) |
| | 2009-2013 G37 Sedan (V36) | 2014-2017 QX80 (Z62) |
| | 2006-2010 M35/M45 (Y50) | |
| | 2012-2013 M35 Hybrid (Y51) | |
| | 2011-2013 M37/M56 (Y51) | |
| | 2004-2010 QX56 (JA60) | |
| | 2011-2013 QX56 (Z62) | |

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.

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.

FRONT SUSPENSION ASSEMBLY

Periodic Maintenance

Inspection

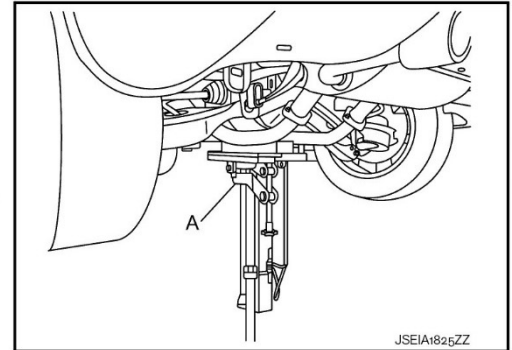
INFOID:000000013710673

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.

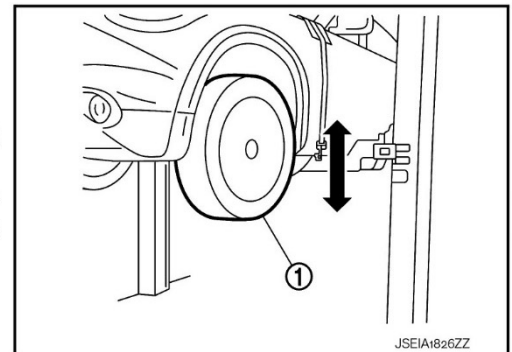
1. Set front wheels in a straight-ahead position.
2. Check ball joint boot for cracks or other damage. If there are cracks or other damage, replace transverse link.



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) |