

Classification:
FA08-001a

Reference:
ITB08-013a

Date:
April 29, 2009

NOISE FROM FRONT COMPRESSION ROD

Applied Vehicles has been amended. No other content has been changed.
Discard all previous versions of this bulletin.

APPLIED VEHICLES: 2004 - 2006 G35 Sedan (V35)

IF YOU CONFIRM

There is a noise coming from the front compression rod.

And

The bushing is damaged.

ACTIONS

Replace only the bushing, not the compression rod assy. for this issue.

Refer to the Service Procedure in this bulletin for details.

IMPORTANT: The purpose of "ACTIONS" (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire Service Procedure (starting on page 3) 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 dealer to determine if this applies to your vehicle.

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
BUSH – COMPR ROD (2WD)	54570-AC70A	1
BUSH – COMPR ROD (AWD)	54570-AC71A	1

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL Compression Rod Bushing – One Side	(1)	MX11AA	ZL	32	1.4 hrs

(1) Reference the Parts Information Table and use the applicable Bush-Compression Rod P/N as the PFP.

OR:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL Compression Rod Bushing – Both Sides	(1)	MX12AA	ZL	32	1.8 hrs

(1) Reference the Parts Information Table and use the applicable Bush-Compression Rod P/N as the PFP.

OR:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL Compression Rod One Side	(1)	MC70AA	ZL	32	(2)

(1) Reference the Parts Information Table and use the applicable Bush-Compression Rod P/N as the PFP.

(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

OR:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL Compression Rod – Both Sides	(1)	MC71AA	ZL	32	(2)

(1) Reference the Parts Information Table and use the applicable Bush-Compression Rod P/N as the PFP.

(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

OR:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL Compression Rod – One Side & RPL Compression Rod Bushing - Other Side	(1)	MC70AA MX11AA	ZL	32	(2) 1.4 hrs

(1) Reference the Parts Information Table and use the applicable Bush-Compression Rod P/N as the PFP.

(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

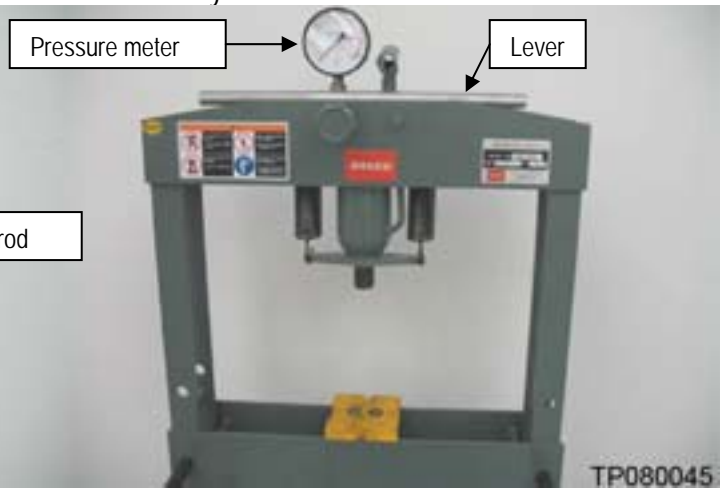
SERVICE PROCEDURE

REQUIRED TOOLS

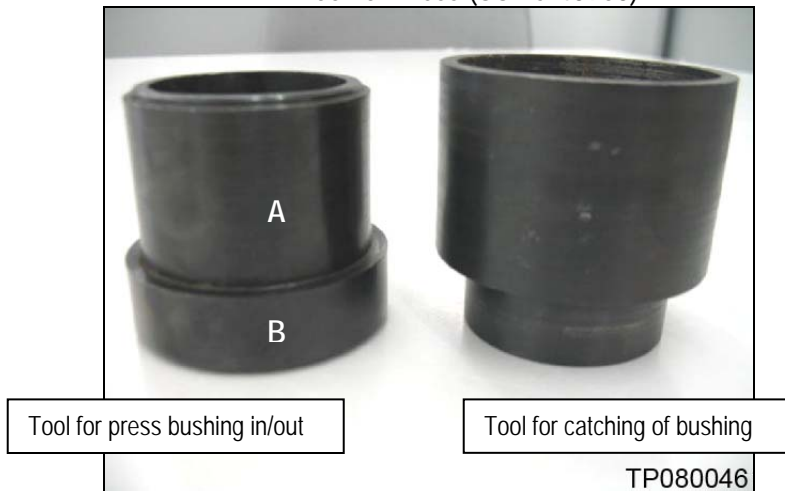
Tool and Parts



Hydraulic Press with Pressure Meter



Tool for Press (SST J-48968)



A (straight side) down in press = Press out old bushing.

B (flange side) down in press = Press in new bushing

REMOVAL OF BUSHING

1. Remove the compression rod with ball joint from the vehicle. Refer to section FSU of the Electronic Service Manual (ESM) for removal and installation procedure.

- Check the taper part of the ball joint. If the taper part is damaged or scratched, the compression rod assy. will have to be replaced.



Figure 4

2. The rubber tab on the center of the bushing, the center of bushing and the center of ball joint should be aligned straight. Mark the original bushing position onto compression rod, also mark the opposite side.

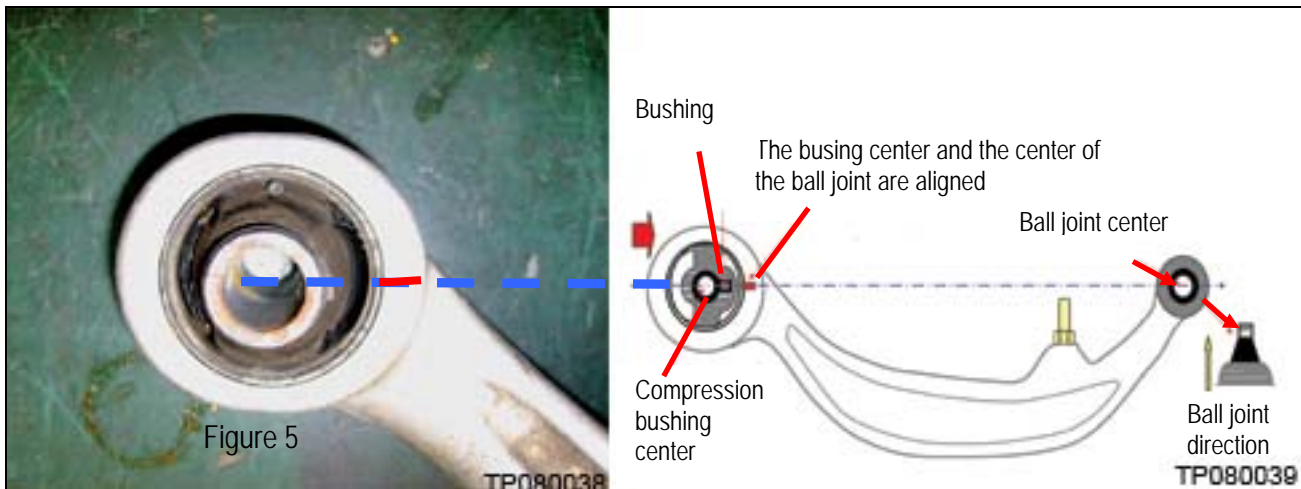


Figure 5

Figure 5

Compression rod assy, (RH shown, LH similar).

3. Place the compression rod onto the hydraulic press so that it will come out on the opposite end of the rod.

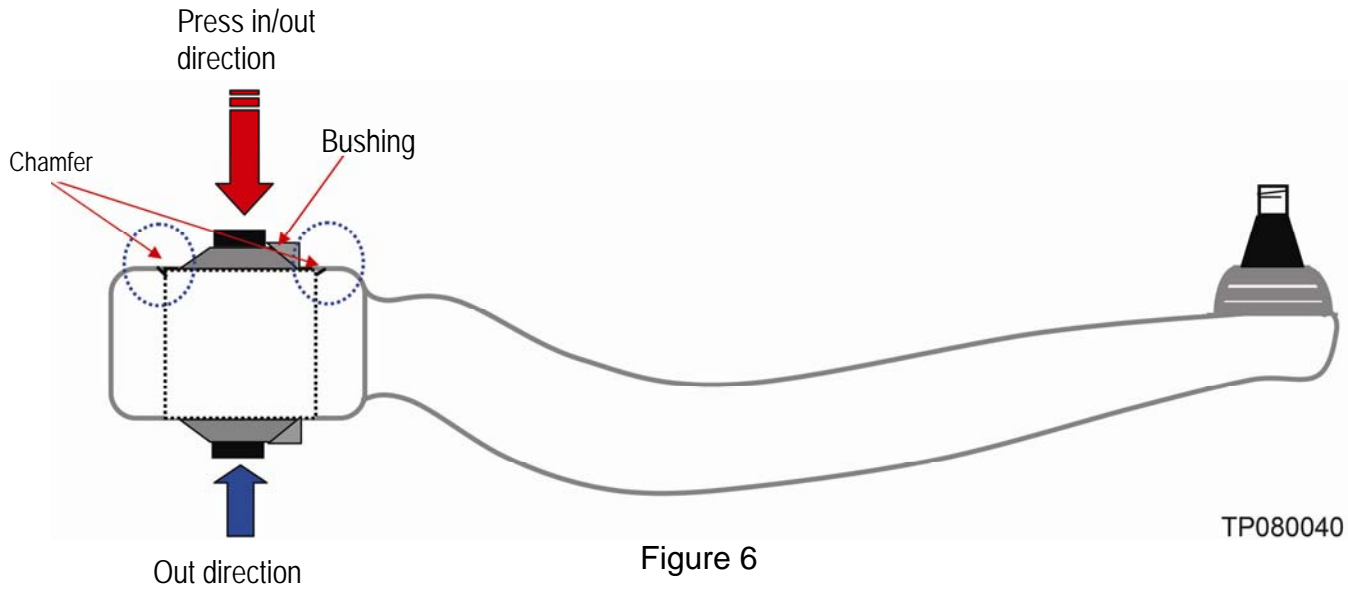


Figure 6

4. Set Compression rod and tool for catching the bushing.

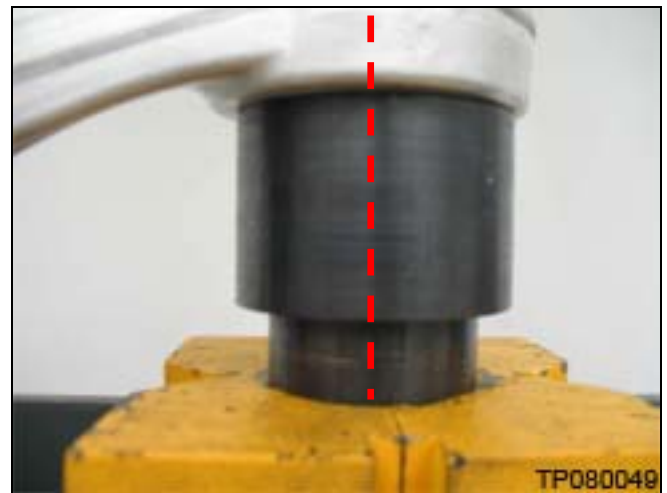


Figure 7

5. Set tool for pressing out bushing.



Figure 8

6. Make sure the bushing, tools, and hydraulic press are vertically aligned.

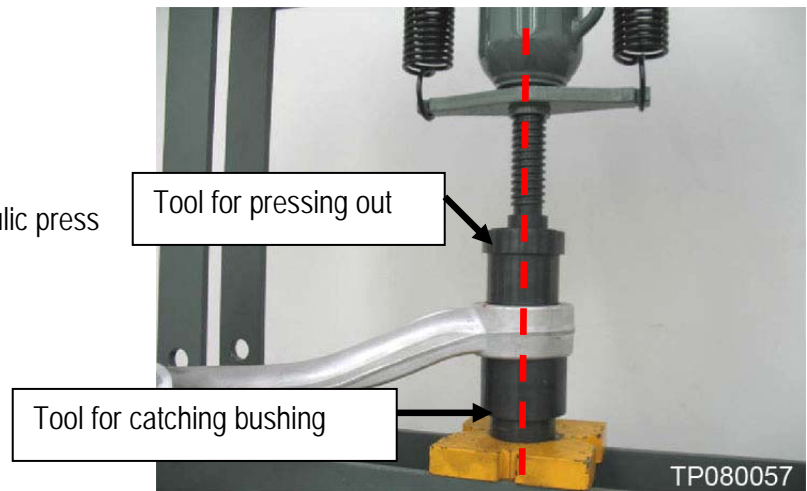


Figure 9

7. Press bushing out slowly. Pay attention that each tool and the bushing stay aligned vertically while pressing. Bushing should move with the force shown in the chart below.

WARNING:

- If more force appears to be needed, tool may be misaligned and pressing on compression rod. Back press off and realign tools.
- If the bushing cannot be moved by the Maximum Force listed below, **stop** repair procedure and replace compression rod assy.

Hydraulic Press Gauge Maximum Force	
2WD	40 kN (4.49 tons force)
4WD	50 kN (5.62 tons force)

WARNING: Do NOT exceed these force amounts.

Hydraulic Press

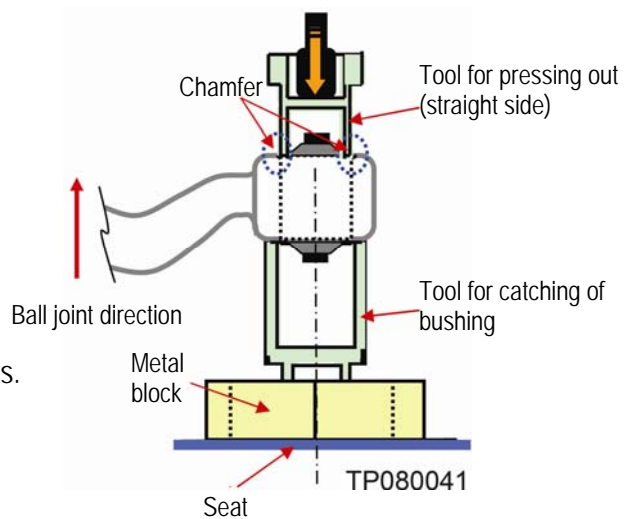


Figure 10

INSTALLATION OF BUSHING

1. Clean the interior part of the compression rod where the bushing was installed of any debris with an air hose and clean towel.

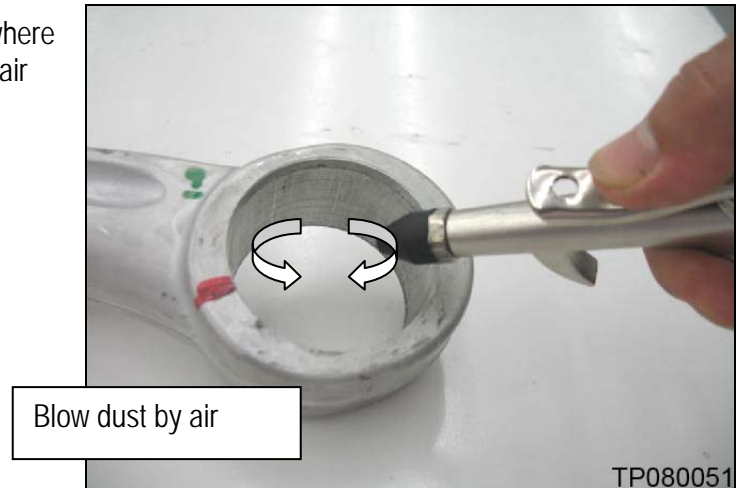


Figure 11

2. Only for 4WD vehicles, if rust is present, replace the compression rod assy.

NOTE: 4WD compression rod is made of iron and tends to rust easily.

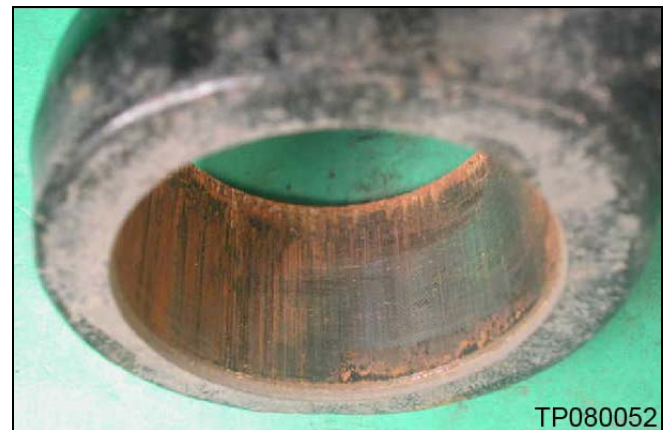


Figure 12

3. Put the new bushing into the compression rod while matching the projection of bushing with mark

- Do not apply any grease or lubricant.
- Confirm compression rod direction.
- Ball joint direction should be pointed upward.

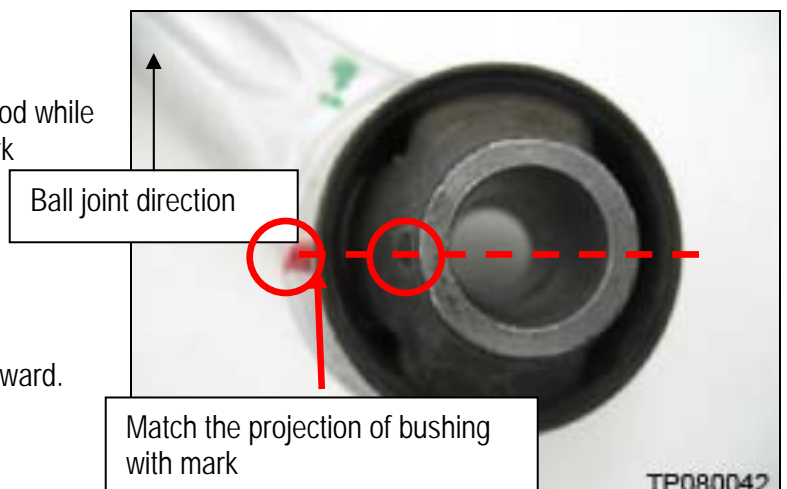


Figure 13

- Make sure the tools, new bushing and hydraulic press are vertically aligned.

NOTE: Be sure to use the correct bushing:

- 2WD (alloy rod): 54570-AC70A
- AWD (iron rod): 54570-AC71A

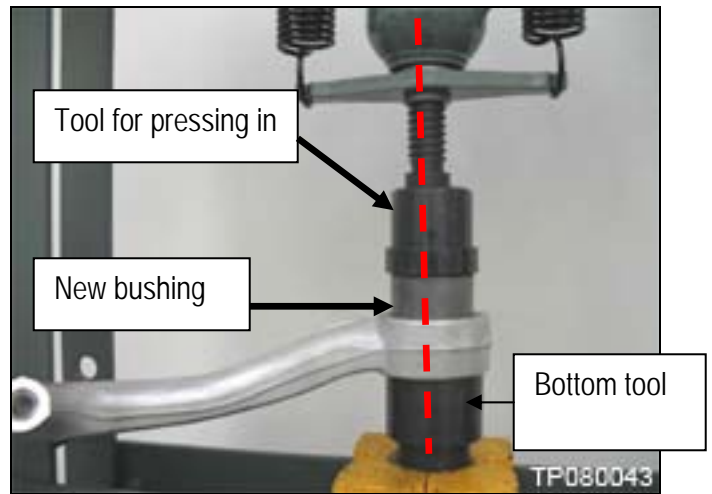


Figure 14

- Press bushing in slowly. Pay attention that each tool and the bushing stay aligned vertically while pressing. Bushing should move with the force shown in the chart below.

Hydraulic press

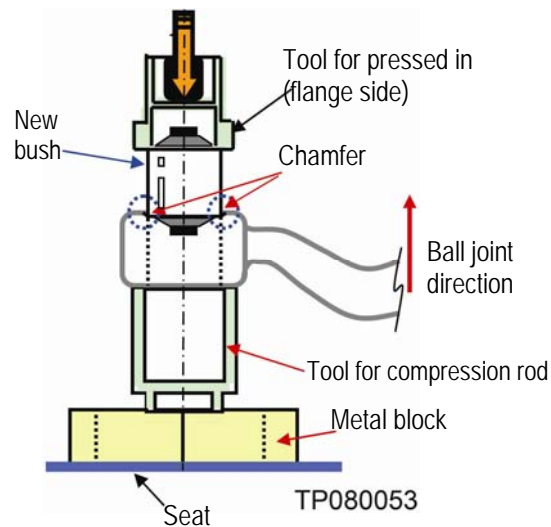


Figure 15

WARNING:

- If more force appears to be needed, bushing may be misaligned in compression rod. Back press off and realign as needed.
- If the bushing cannot be pressed in by the Maximum Force to stop listed below, **stop** repair procedure and replace compression rod Assy.

	Hydraulic Press Indicator Maximum Force to press in	Hydraulic Press Indicator Maximum Force to stop
2WD	25 kN (2.81 tons force)	35 kN (3.93 tons force)
AWD	35 kN (3.93 tons force)	45 kN (5.05 tons force)

6. Confirm the surface between the collar and rod on both sides is flush.



Figure 16

7. Reset the tools, compression rod and press to try to press the new bushing out. Make sure the bushing, tools, and hydraulic press are vertically aligned.

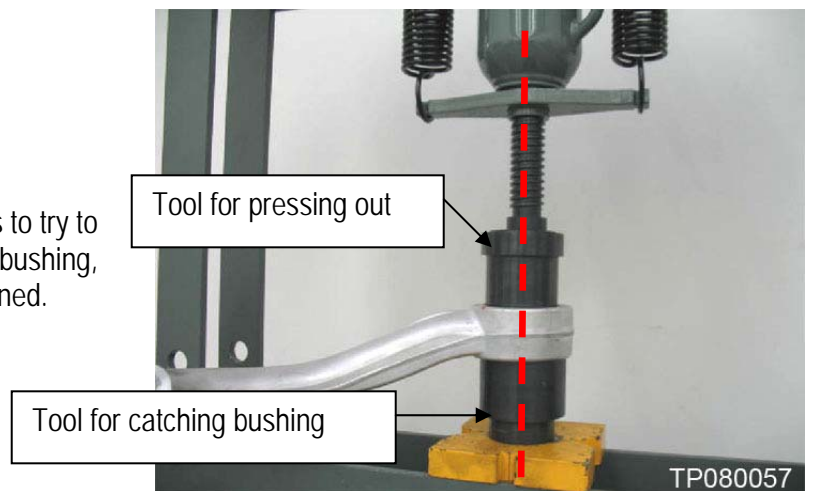


Figure 17

8. Apply pressure slowly. Pay attention that each tool and the bushing stay aligned vertically while pressing. Bushing should **NOT** move with the force shown in the chart below.

Hydraulic Press Gauge Maximum Force	
2WD	10 kN (1.12 tons force)
4WD	10 kN (1.12 tons force)

NOTE: Do NOT exceed these pressures.

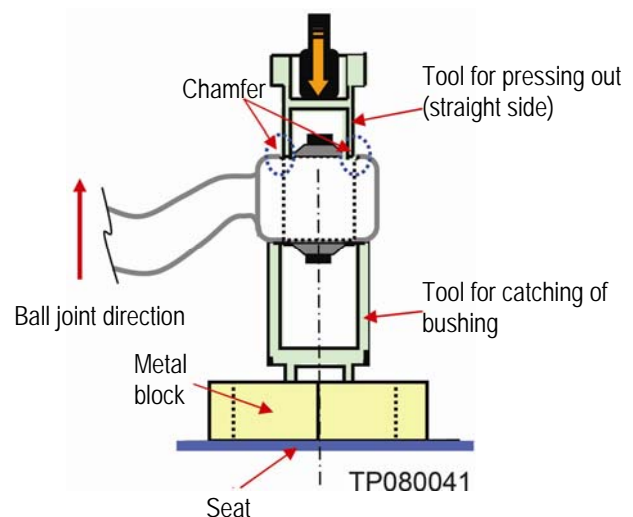


Figure 18

9. Press the compression rod bushing up to a maximum of 10 kN (1.12 tons force).
- Confirm the bushing does not move.
 - If the bushing moves, compression rod assy. has to be replaced.



Figure 19

10. Re-confirm the surface between the collar and rod for both sides is flat.



Figure 20

11. Align the cotter pin hole to the bushing center.

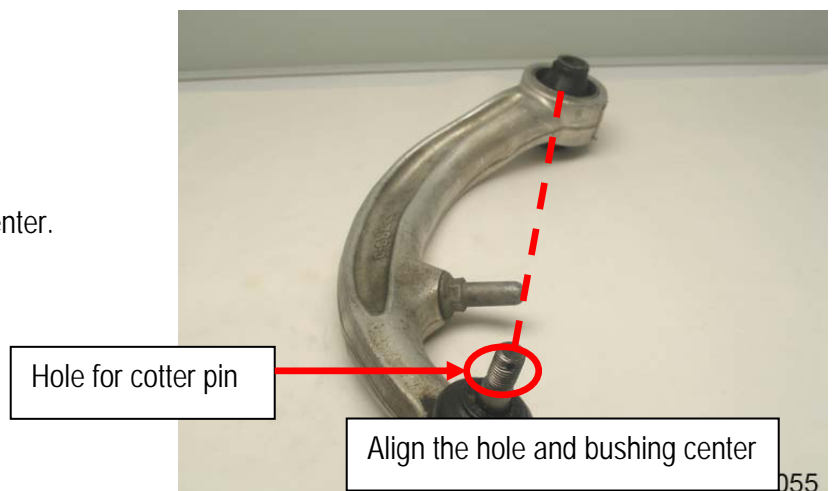


Figure 21

12. Mark the bushing and compression rod as shown in Figure 22.

- It is recommended to use a yellow or white oil base pen .

13. Re-assemble the rod to the vehicle according to the ESM.

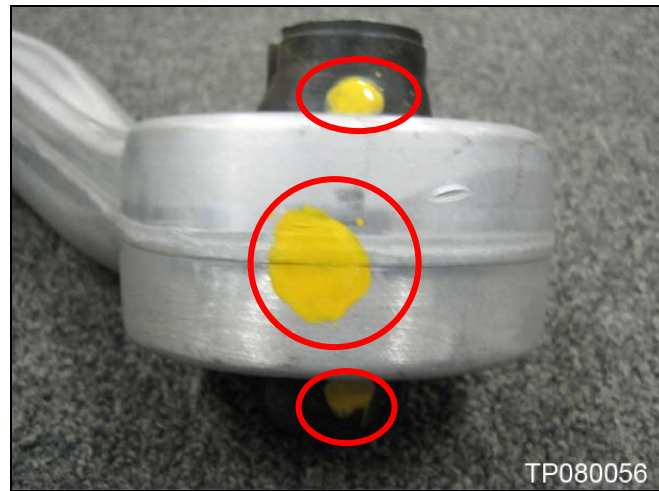


Figure 22