

TSB nummer:

03-2020

Emne: Recall – Udskiftning af bagfjedre

Model: RT88

Udsendt af: Frans M. Sørensen

Side: 1 af 2

Vor ref.:

Bilag: 0

Udsendt: 10. juni 2020

Vedr. Recall – Udskiftning af bagfjedre

1. Omfattet model:

RT88 med RZ4E 1,9 l. motor.

VIN Range: Ifølge vedhæftede VIN liste.

Vi anbefaler, at alle biler altid kontrolleres på "Vognsøgningen" på vores forhandler hjemmeside. Her er status for reparation opdateret i det tempo, som oplysninger herom tilgår os. Ved tvivl, tag da kontakt til Serviceafdelingen.

2. Baggrund:

Kvalitetskontroller har afsløret en minimal risiko for, at det forreste befæstigelsesøje på hovedlaget i bagfjedrene kan briste og dermed forårsage, at bagfjederen løsnes fra bilen. Derfor har ISUZU iværksat en recall som betyder, at kunder med omfattede biler skal kaldes på værksted for udskiftning af begge bagfjedre og grundet layout af disse, også begge håndbremsekabler.



3. Årsag:

Under produktionen af fjedrene, er øjet fremstillet med en for lille boring, hvilket gør, at når bøsningen presses i under produktionen, så kan der opstå såkaldte "micro-cracks" som på sigt kan svække øjet således, at dette knækker af.

4. Bestilling af korrekte reservedele:

Når der stødes på en bil, som er på VIN listen for denne kampagne, skal Serviceafdelingen kontaktes. Herefter vil et sæt fjedre og håndbremsekabler blive fremsendt uden beregning.

Note: Ved udskiftningen af bagfjedrene, øges antallet af fjederlag fra 3 til 5. Derfor vil der være visuel forskel på fjedrene og ligeledes en mindre forskel, som nødvendiggør udskiftning af håndbremsekabler i samme omgang.

5. Procedure for indkaldelse af omfattede biler

I takt med, at vi får reservedele hjem, vil vi sende disse ud til biler, som står på lager eller er demovogne. Ligeledes vil vi sende reservedele ud til de forhandlere, som har solgt og leveret biler, der er omfattet af denne recall.

Vi sender informationer omkring bilerne per e-mail og herefter bedes værkstederne tage direkte kontakt til de berørte kunder og arrangere tid for udskiftning af bagfjedrene. Der vil IKKE blive sendt breve ud til kunderne fra ISUZU Danmark A/S

6. Arbejdsprocedure

Arbejdsprocedure er vedhæftet i slutningen af dette cirkulære. Yderlig information kan findes i værkstedsmanualen til bilen.

7. Garanti

Normal procedure for håndtering af garantisager følges. Vi skal anmode om, at information omkring afslutning af en reparation indberettes som vanligt uden tøven!

Operation	Operationskode	Standard LTG tid
Leaf Spring Replacement	W9080	3,0 time

Spørgsmål vedr. denne service information, kan rettes til Serviceafdelingen.

Med venlig hilsen

ISUZU Danmark A/S

Frans M. Sørensen











Service & Garantichef

VIN liste for W9080

VIN
MPATFS87JJT008150
MPATFS87JJT008399
MPATFS87JKT011302
MPATFS87JJT006249
MPATFS87JJT008393
MPATFS87JKT013715
MPATFS87JJT007758
MPATFS87JKT010515
MPATFS87JKT010516
MPATFS87JJT008161
MPATFS87JJT008151
MPATFS87JKT005985
MPATFS87JJT007759
MPATFS87JJT009194
MPATFS87JKT005984
MPATFS87JKT007015
MPATFS87JKT009207
MPATFS87JKT010507
MPATFS87JKT005983
MPATFS87JKT005986
MPATFS87JKT013716
MPATFS87JJT003170
MPATFS87JJT006250
MPATFS87JJT008162
MPATFS87JJT008397
MPATFS87JJT008400
MPATFS87JJT008398
MPATFS87JJT009174
MPATFS87JJT009175
MPATFS87JKT000681
MPATFS87JKT009206
MPATFS87JKT010509
MPATFS87JKT011303
MPATFS87JKT013714
MPATFS87JKT013693
MPATFS87JJT009193
MPATFS87JKT010508
MPATFS87JKT009208

Procedure: Rear leaf spring and parking brake cable replacement

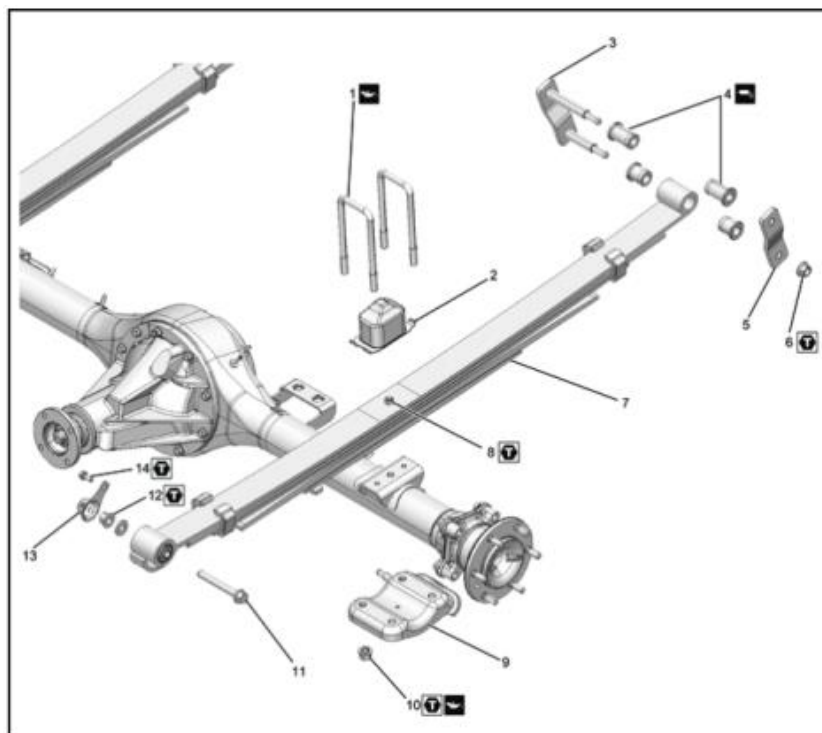
1. Tools

No.	Tools name	Picture	Q'ty	Remark
1	Hydraulic lifter (recommended) Or Car jack	 or 	1	Optional
2	Car stand		1	In case using car jack
3	Wood block		4 set	In case using hydraulic lifter
4	Transmission jack		1	In case using hydraulic lifter
5	Torque wrench		1 set	
6	Spanner torque wrench		1 set	
7	Masking Tape		1	
8	Trim clip remover		1	
9	Phillip screwdriver		1	
10	Offset box wrench		1 set	
11	Engine oil		1	

12	Rubber Grease		1	
----	---------------	--	---	--

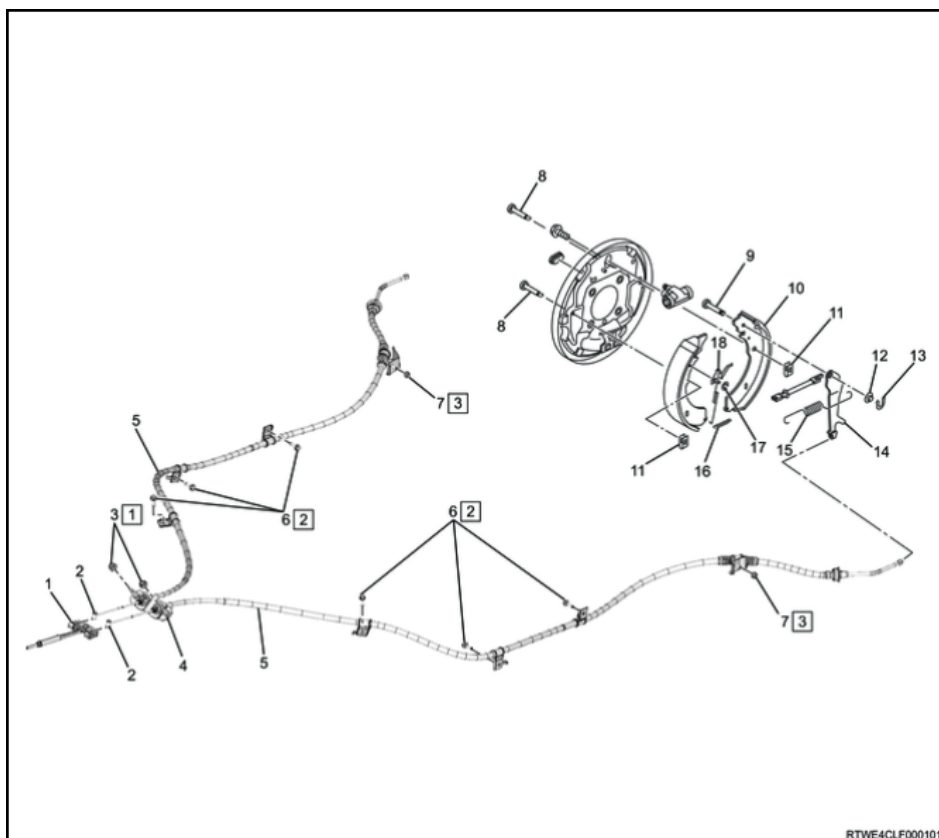
2. Man power : At least 2 mechanics

3. Component part list



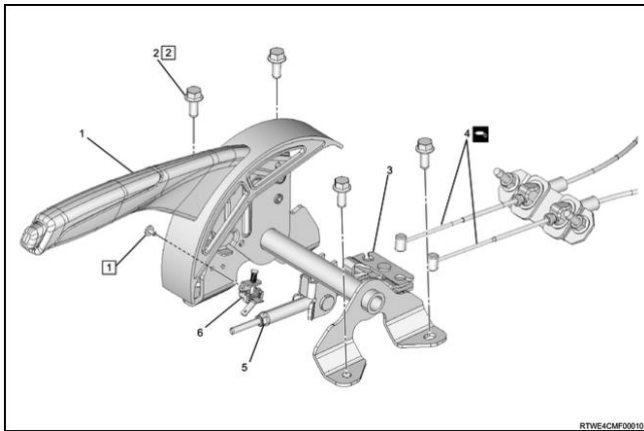
Part name

- | | |
|-------------------------|-------------------------|
| 1. U-bolt | 11. Spring pin |
| 2. Bumper rubber | 12. Nut |
| 3. Shackle | 13. Protector (LH only) |
| 4. Rubber bushing | 14. Bolt |
| 5. Shackle plate | |
| 6. Nut | |
| 7. Leaf spring assembly | |
| 8. Nut | |
| 9. Lower clamp | |
| 10. Nut | |



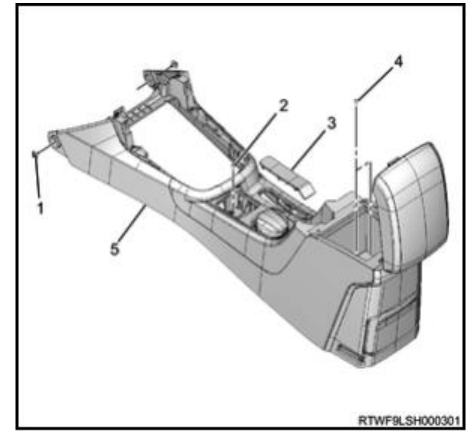
Part name

1. Equalizer
2. T-end
3. Parking brake cable nut
4. Retainer
5. Parking brake cable
6. Parking brake cable bolt
7. Nut
8. Shoe holder pin
9. Pin
10. Brake shoe
11. Shoe holding spring
12. Lever washer
13. Retainer
14. Parking lever
15. Upper spring
16. Lower spring
17. Adjust lever ring
18. Adjust lever



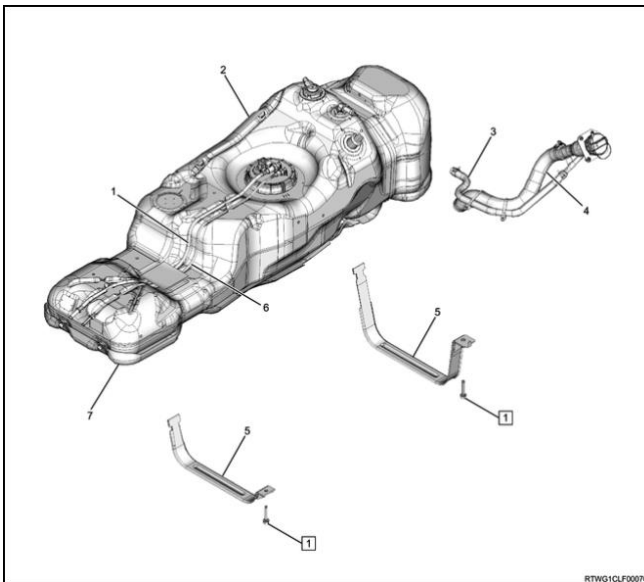
Part name

1. Parking brake lever
2. Bolt
3. Equalizer
4. T – end
5. Adjust nut
6. Parking brake switch



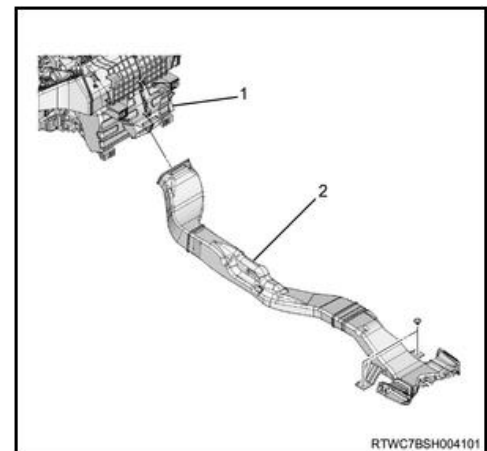
Part name

1. Clip
2. Screw
3. Parking brake cover
4. Screw
5. Console box



Part name

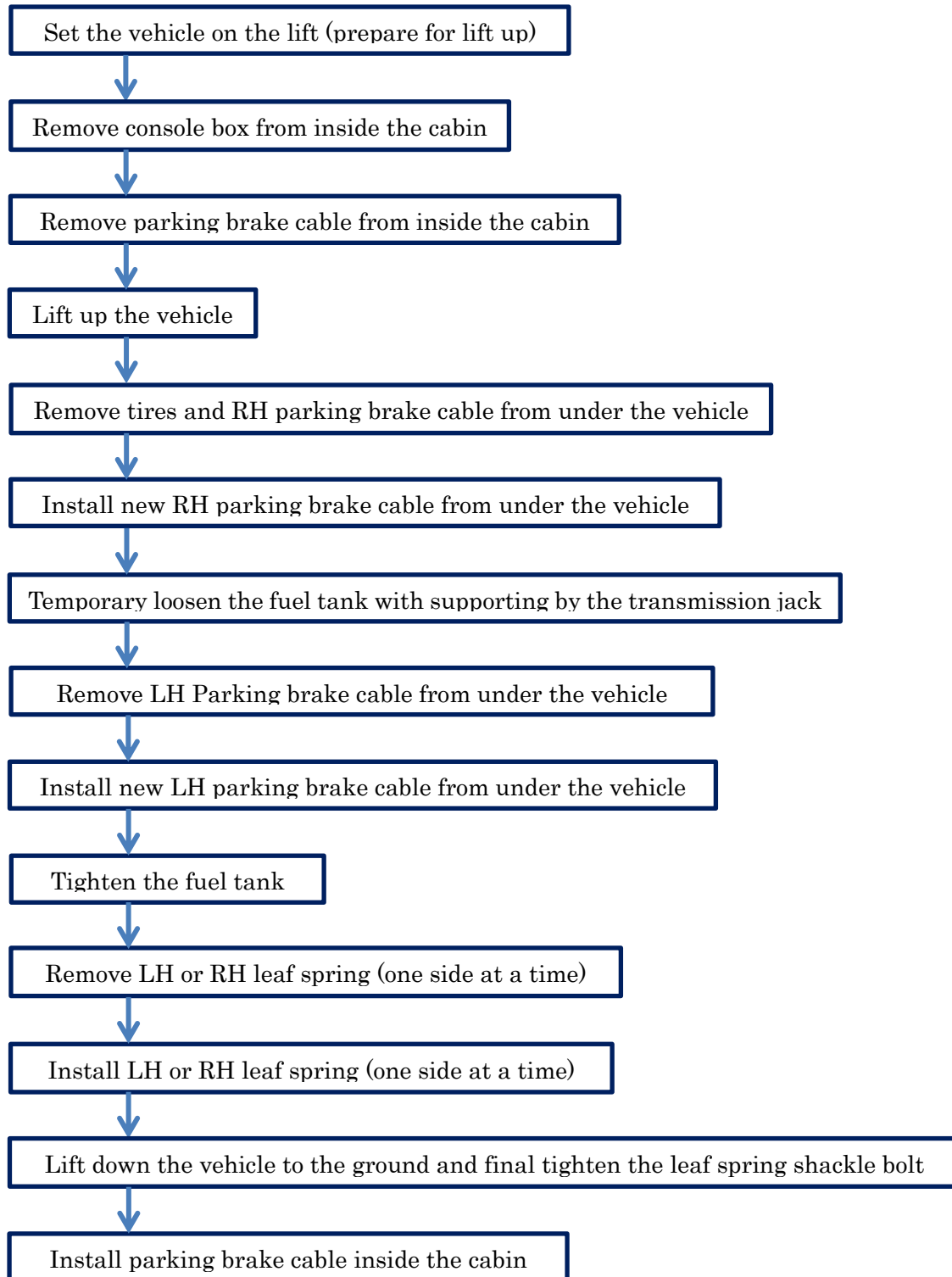
1. Fuel feed tube
2. Fuel tank
3. Breather hose
4. Fuel filler hose
5. Fuel tank band
6. Fuel return tube
7. Fuel tank protection



Part name

1. Heater evaporator unit
2. Rear heater duct

Procedure Summary



	Operation	Procedure	Remark
1	<p>Remove parking brake cable in the cabin</p> <p>This procedure is described procedure when the vehicle lifted by Hydraulic lifter. If use car jack, please refer to end of page for lift up procedure.</p>	<p>1) Parking the vehicle on the lifter</p>  <p>2) Put the wood block to the contact position with chassis to avoid the lifter hit to the side step.</p>   <p>3) Remove battery cable from the negative terminal.</p>  <p>4) If 4WD – Remove the 4WD switch and disconnect the harness. If 2WD – Remove cover.</p> 	<p>Ex. Front wood block height 9 cm. Ex. Rear wood block height 14 cm.</p> <p>Caution: After turning the ignition switch OFF, do not disconnect the battery cable within 2 minutes otherwise the ECM may malfunction.</p>

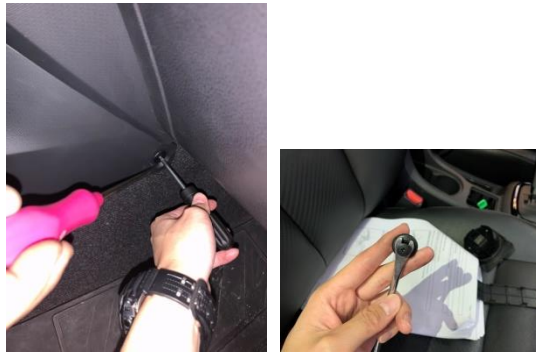
- 5) Pull the parking brake lever and remove the parking brake cover by hand.



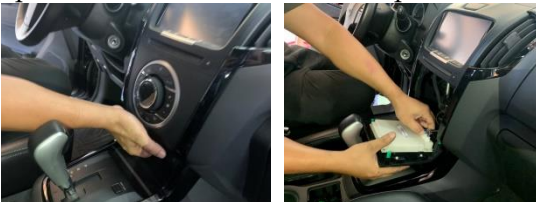
- 6) Remove the phillips screw at 3 point (inside the 4WD switch or cover and another 2 inside the console box).



- 7) Remove 2 clips at the front lower side of console box.



- 8) For A/T shift the gear back to get more space then remove AC control panel.



- 9) Remove shift console cover from the console box.



- 10) Remove rear USB harness for console box if equipped.



- 11) Remove the console box.



Please be aware of console box is scratched to other parts.

- 12) For models with rear heater duct, remove the rear heater duct clip and then remove rear heater duct.



- 13) Release parking brake lever.



- 14) Loosen the adjust nut to release parking brake tension.



- 15) Remove parking brake cable T - end from the equalizer.



- 16) Remove 2 nuts from the retainer.



- 17) Lift up the vehicle.









- 18) Set the transmission jack and lift up a little on the center of axle case by the transmission jack to support axle case.



Be careful of the transmission jack scratch to the axle case.



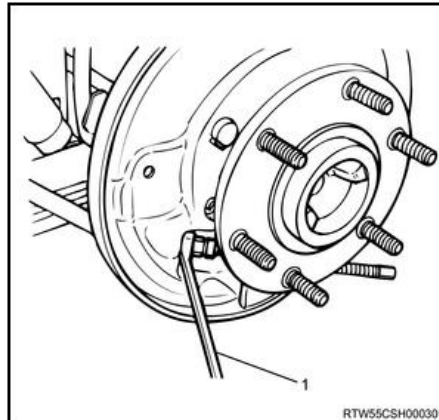
2	Remove both rear wheels.	<p>1) Remove both rear wheels.</p>  	<p>Cover the socket with tape to prevent the scratch</p>  <p>In case lift the vehicle by jack, put the removed wheels under the vehicle frame to both sides.</p> 
3	Remove parking brake cable from underneath the vehicle	<p>1) Unscrew the rear drum brake screw to open the rear drum brake.</p>  <p>2) Remove parking brake cable bolt that attach to the leaf spring</p> 	

- 3) Remove parking brake cable end from parking lever. Move the parking lever inward wheel center (Red arrow) then pick out the cable end during holding the lever.



Pick out

- 4) Push the lock protrusion using a 12 mm hexagonal offset box wrench and disconnect the parking brake cable to remove it from the rear brake back plate.



**By 12mm hexagonal
offset box wrench**

Please be aware of tool
damaging around parts.



- 5) For right side parking brake cable, remove 3 bolts that fixed to the frame.



- 6) For left side parking brake cable, remove 2 bolts that fixed to the frame (except fixing point above fuel tank).



- 7) Set the transmission jack to support the front side of the fuel tank.



- 8) Loosen the fuel tank band on the rear side for about 5 - 7 mm.



- 9) Remove fuel tubes from the fuel tank clamp.



- 10) Remove bolt from front fuel tank band then lift down the fuel tank until distance between vehicle floor and center mark of fuel tank are 21 - 23 cm.



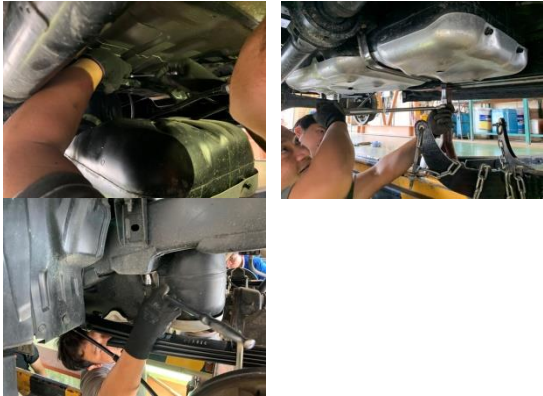

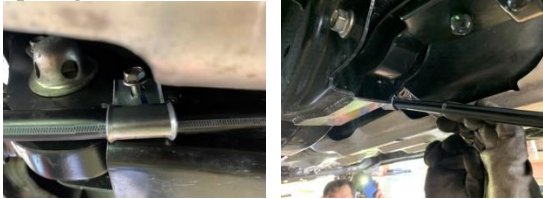

- 11) Remove the parking brake cable bracket that fixed on the cross membrane.


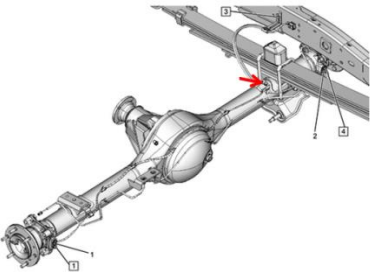



- 12) Remove the parking brake cable from the vehicle.

Please be aware of fuel tank tubes over extended And do not lift down exceed 21 - 23 cm.



4	Install parking brake cable from underneath the vehicle	<p>1) Install new parking brake cable from underneath of the vehicle.</p> <p>2) Install parking brake cable bracket on the fuel tank and tighten the bolt for 0.7 kgf·m {7 N·m / 62 lb·in}. After that lifts up the fuel tank back in original place and tighten the fuel tank bands for 6.9 kgf·m {68 N·m / 50 lb·ft} for both front and rear.</p>  <p>3) Please be aware of fuel tank tubes being squeeze please make sure that the fuel tubes is back in the clamp during tightening of the fuel tank band.</p>  <p>4) Install parking brake cable bracket to each fixing point and tighten all the bracket bolts for 0.7 kgf.m {7 N·m / 62 lb·in} (except fixing point on the leaf spring).</p> 	<p>Remark: 89810210491 (Left side) 89810210481 (Right side)</p> <p>If install the wrong side of brake cable, the brake cable will not be able to installed to the leaf spring and the bracket will be facing down.</p> 
---	---	---	--

		<p>5) Insert the parking brake cable into the cabin and install the retainer.</p> 	
5	Remove bolt of wheel speed sensor harness clip	<p>1) Remove bolt of wheel speed sensor harness clip. (To avoid pulling the harness when removing Leaf Spring).</p> 	
6	Remove leaf spring	<p>Start doing the leaf spring replacement one side at a time.</p> <p>1) Remove nut and washer from lower clamp and remove shock absorber from the lower clamp.</p> 	<p>Be aware that there are 2 washers that on the side of the shock absorber.</p>

- 2) Confirm if the transmission jack is already support the rear axle case.



Be careful of the transmission jack scratch to the axle case.



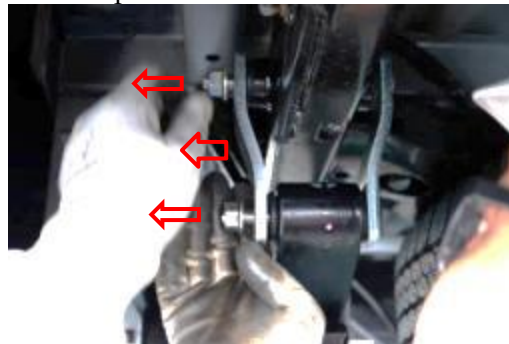
- 3) Remove U-bolt nuts and then remove U-bolt and bumper rubber.



Nut should not be mixed. Dimension of nut are different base on the position.



- 4) Remove shackle nuts and then remove shackle plate.



- 5) Remove bolt protector nut of leaf spring (LH only).



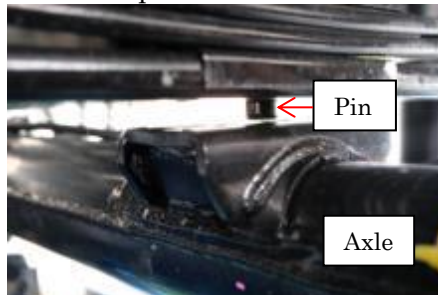
Protector nut of leaf spring (LH side only).



- 6) Use wrench to lock the bolt then remove spring pin nut, spring pin washer and spring pin bolt.



- 7) Lower the jack which supports the center of axle case little by little to make a clearance until the leaf spring pin lift out from the pin hole.

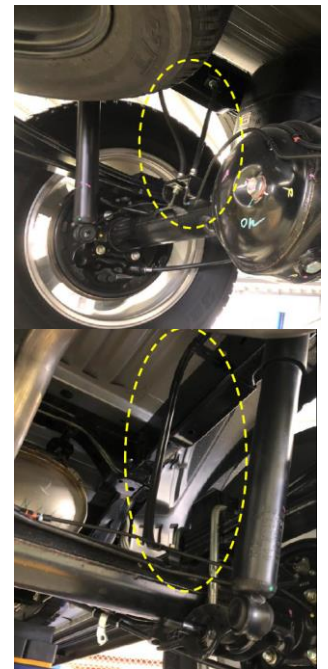


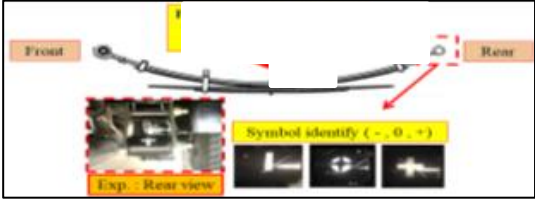



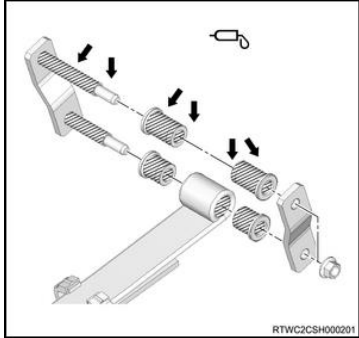
- 8) Remove the leaf spring ASM. Then mark NG on the removed part.



Must untighten the nut not the bolt.

Be careful not to lower the axle too low which may cause damage on brake line and speed sensor harness.



7	Install leaf spring	<p>The leaf spring will have tolerance mark (+, O, -) on the top curve of the shackle end (see image below). Remember to use the springs of same mark for both LH and RH sides.</p>  <ol style="list-style-type: none"> 1) Apply rubber grease to rubber bush and shackle then install to the rear side leaf spring.  <ol style="list-style-type: none"> 2) Install the new leaf spring ASM into the vehicle and make sure the guide pin on the bottom of the leaf spring aligns with the hole on rear axle  <ol style="list-style-type: none"> 3) Install spring pin and spring pin washer. After that temporarily tighten spring-pin nut. 	<p>Area that need to apply rubber grease on.</p>  <p>In case the rubber bushing is damaged please replace with new one.</p> <p>Be careful of leaf spring scratch to rear axle and hitting the side brake pipe.</p> <p>Insert the spring pin toward the vehicle.</p>
---	---------------------	---	--

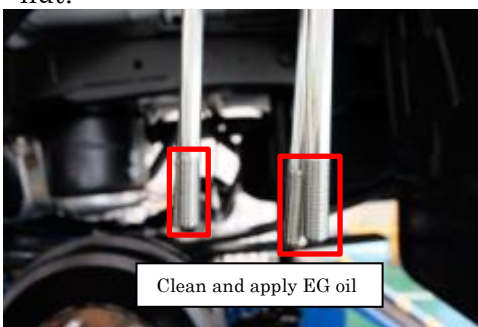
- 4) Install shackle plate and temporarily tighten shackle nuts.



- 5) Install bump rubber.



- 6) Clean and apply engine oil to the threaded portion of the U-bolts. Put the U-bolt to the claw of bump rubber. Install U-bolt to lower clamp and temporary tighten by the nut.



Nut should not be mixed. Dimension of nut are different base on the position.



Make sure install harness correct route.



- 7) Tighten the U-bolt nuts for 8.0 Kgf.m {78 N·m / 58 lb·ft}.



- 8) Tighten spring pin nut (1 pc) for 15.5 Kgf.m {152 N·m / 112 lb·ft}.



- 9) Tighten protector bolt (1 pc) for of 2.5 Kgf.m {25 N·m / 18 lb·ft}.
(LH side only)



- 10) Install the shock absorber back and tighten for 4.0 Kgf.m {39 N·m / 29 lb·ft}.



Must tighten the nut not the bolt using the spanner torque wrench type.



Must tighten the bolt using the spanner torque wrench type.



In case the rubber bushing is damaged please replace with new one.

- 11) Insert the parking brake cable into rear brake back plate and then put the parking brake cable end in to the rear parking lever.



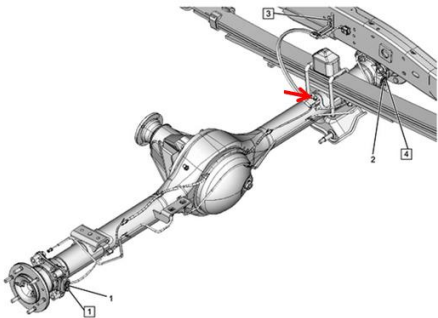


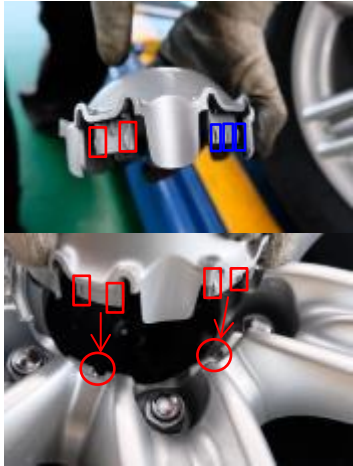

- 12) Tighten the parking brake cable bolt to the leaf spring for 2.5 kgf.m {25 N·m / 18 lb·ft}.

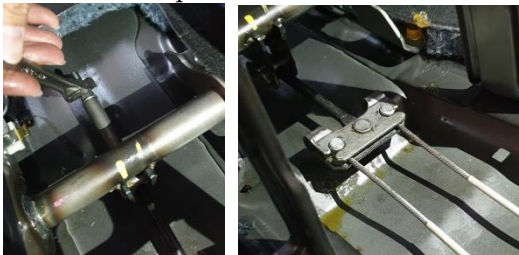

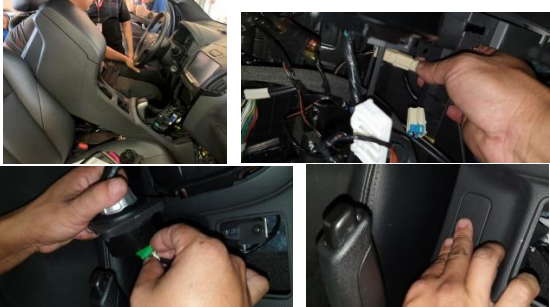







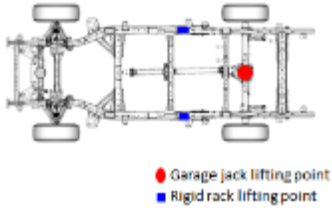
- 13) Install back the rear drum brake and screw back the drum brake screw.



Repeat the same process to replace the leaf spring on the other side.

8	Install bolt of Wheel Speed Sensor cable clip	<p>1) Install the speed sensor cable clip and tighten at torque 0.8 kgf.m {8 N·m / 71 lb·in}.</p> 	
9	Install both rear wheels and tighten the shackle nuts.	<p>1) Install wheels, lower the vehicle on to the ground and tighten the bolts for 12.0 kgf.m {120 N·m / 87 lb·ft}.</p>  <p>2) Tighten the shackle nuts (2 pcs) for 10.0 Kgf.m {98 N·m / 72 lb·ft}.</p> 	<p>For the below wheel type, there are double claw and triple claw, make sure install wheel cap latch with double claw to curve mark.</p> 
10	Install parking brake cable in the cabin	<p>1) Tighten the retainer nut in the cabin for 2.5 kgf.m {25 N·m / 18 lb·ft}.</p> 	

		<p>2) Connect the parking brake cable T-end back to the equalizer.</p>  <p>3) Pull the parking brake lever.</p> <p>4) Install the rear heater duct and install 2 clips.</p>  <p>5) Connect rear USB harness (if equipped) and install back the console box with 3 screws, reinstall the 4WD switch or cover with connecting harness and reinstall the parking brake cover.</p>  <p>6) Connect the harness of AC panel back in and install AC panel.</p>  <p>7) Connect the negative terminal battery cable back in place.</p>	<p>Adjust the adjust nut so that the parking brake lever is pulled up 6 to 9 notches when the lever is pulled up with the force of 294 N {30 kg/66 lb}.</p> <p>Please aware of console box scratched other parts.</p>
--	--	--	---

1.1	Lift up the vehicle (By Jack)	<p>1) Put the tire stopper at front wheels.</p>  <p>2) Use the jack to lift the vehicle. The jacking position is center of the rear Axle Case.</p>  <p>3) Use the stand to support the frame at both sides.</p> 	<p>Use the cloth cover the jack head to prevent the scratch.</p>  <p>Use the cloth cover the stand head to prevent the scratch.</p> 
-----	----------------------------------	--	--

<End of Procedure>