

For Earth, For Life



KUBOTA Technical Support centre Europe

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Zweibrücken
29.03.2021

SERVICE – BULLETIN

Reference-N°: KTSE - SB - 2103

Routing Improvement of Air Suspension Seat electrical Wiring

Approved by:	☒ International Quality Assurance department
	☐ Kubota Technical Support centre Europe

Affected distributors:

- ☒ KBD
- ☒ KE
- ☒ KUK

Classification:

- ☐ 1. Information
- ☐ 2. Fix on a failure basis
- ☐ 3. Recommended product improvement
- ☒ 4. Mandatory campaign

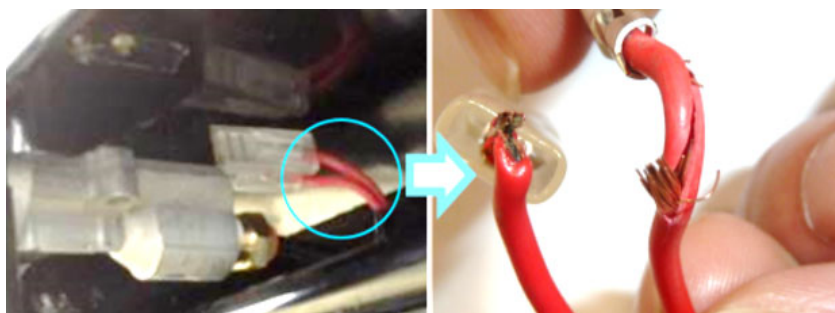
Model	Serial N°
KX060-5	See list at the end of the bulletin
U56-5	
U50-5	

IMPORTANT:

If applicable for the unit, the mandatory campaigns KTSE-SB-2102, KTSE-SB-2104, KTSE-SB-2105 must be completed at the same time than present KTSE-SB-2103.

A. Subject

Cases of defective seat air suspension electrical wiring have been reported. Investigation revealed that the harness was not correctly routed in production. As countermeasure, the routing of the wire harness was improved. We herewith request you to as soon as possible attend the concerned machines and take the measures indicated in this bulletin.



B. Service Information

If the machine is also listed in KTSE-SB-2104: do not reinstall the boots, but complete the repair as directed in KTSE-SB-2104 and then continue with step 26 of that bulletin.

WARNING:

To avoid personal injury:

- Park the machine on a flat and level ground.
- Keep the bucket or other attachment down on the floor.
- Stop the engine and remove the starter key.
- Before any intervention on the hydraulic system, release the residual pressure from the hydraulic circuit.
- Use working clothes and personal protective equipment to avoid personal injury.
- Follow the local safety directives in your country.
- If you work with other persons, make sure your signals are fully understandable and mutually communicative for added safety.
- Hydraulic components and engine parts can be hot. Wait until all components cooled down to avoid burns.

Repair outline:

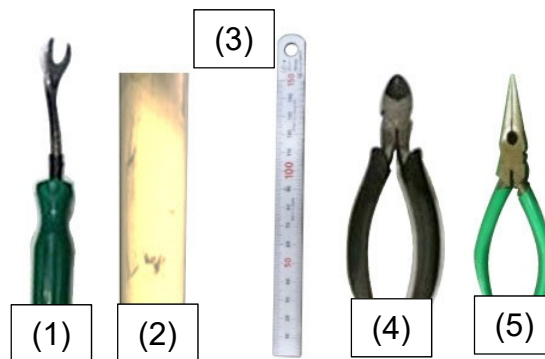
Replace the wire harness for the air suspension under the seat following the below procedure.

Tools:

- (1) Clip remover
- (2) Support, length approx. 200 mm
- (3) Steel ruler, 150 mm
- (4) Side cutter
- (5) Nose pliers

Not shown:

Clothes



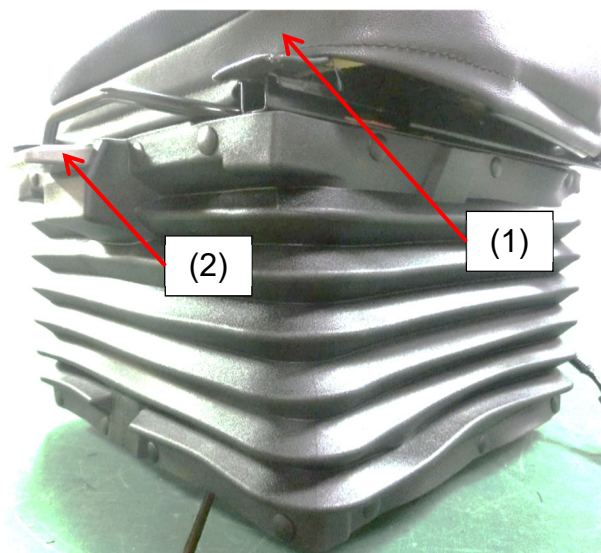
Step 1:

Switch the starter key to "RUN" position.



Step 2:

Set the seat (1) height to the highest position with the height adjustment lever (2).

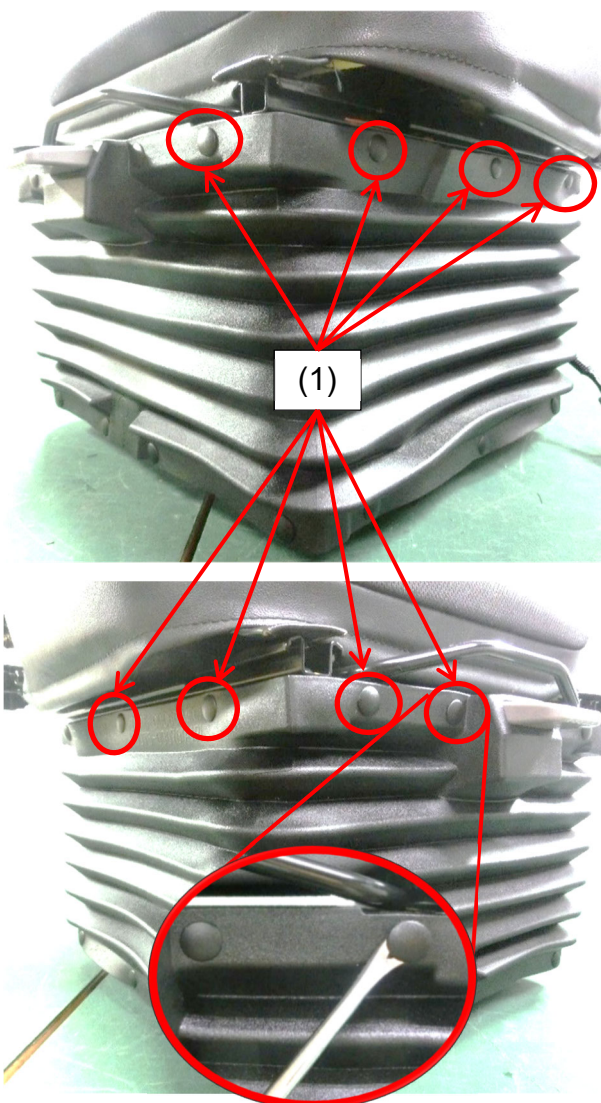


Step 3:

Remove the eight clips (1).

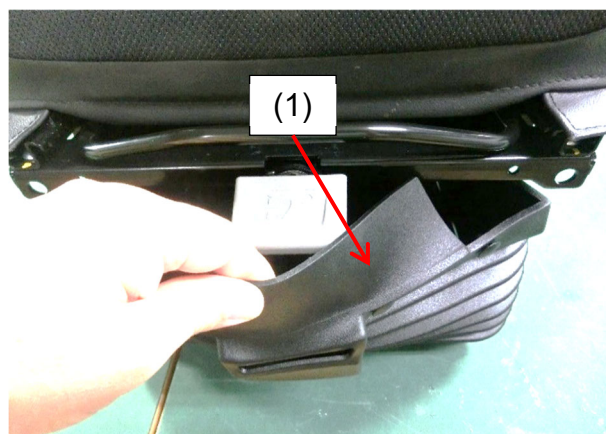
Note:

The clips can be scrapped.



Step 4:

Set the seat height to the lowest position and detach the boot (1) from the upper part of the seat.

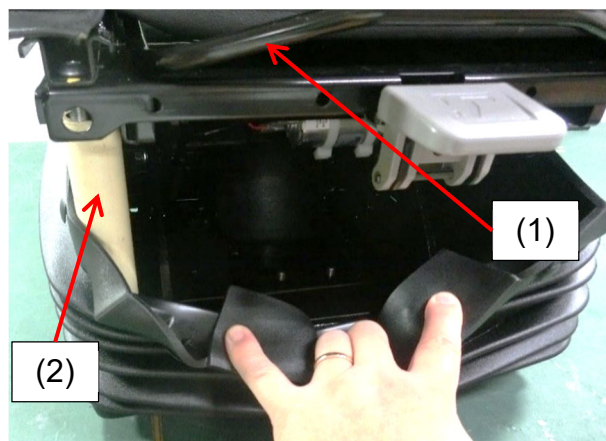


Step 5:

Set the seat (1) to the upper position and insert the support (2).

Note:

The support will avoid to be caught by accident.



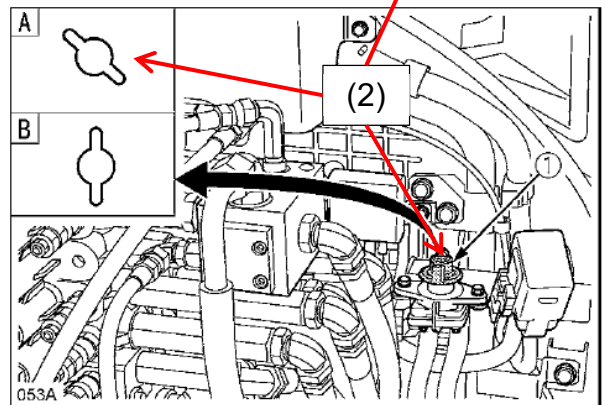
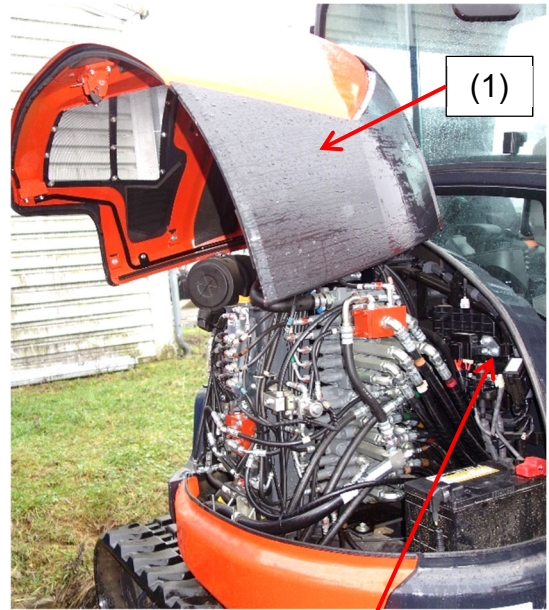
Step 6:

Switch the starter key to "STOP" position.



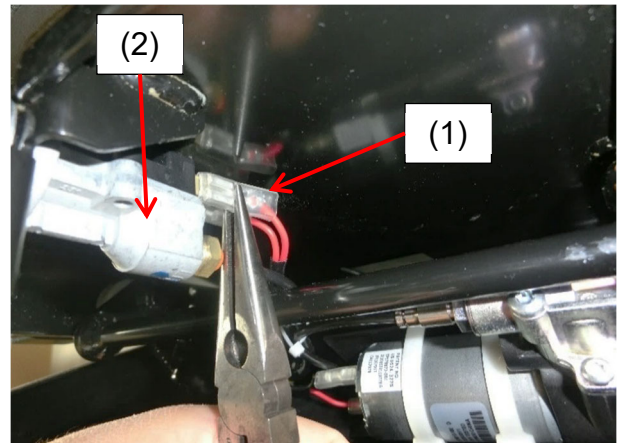
Step 7:

Open the RH bonnet (1) and turn the battery isolator switch (2) to “OFF” (A) position.



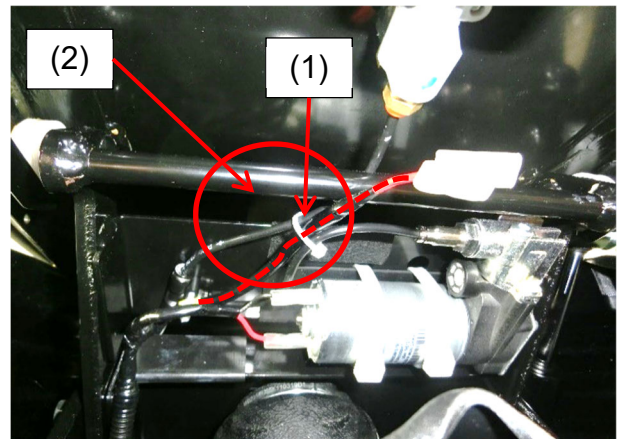
Step 8:

Disconnect the two electrical terminals (1) from the valve switch (2) under the seat.

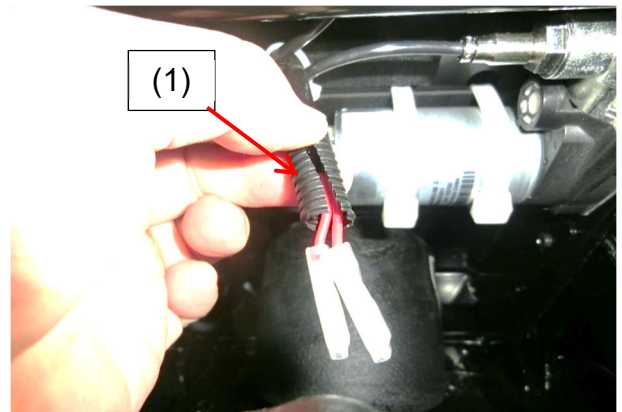


Step 9:

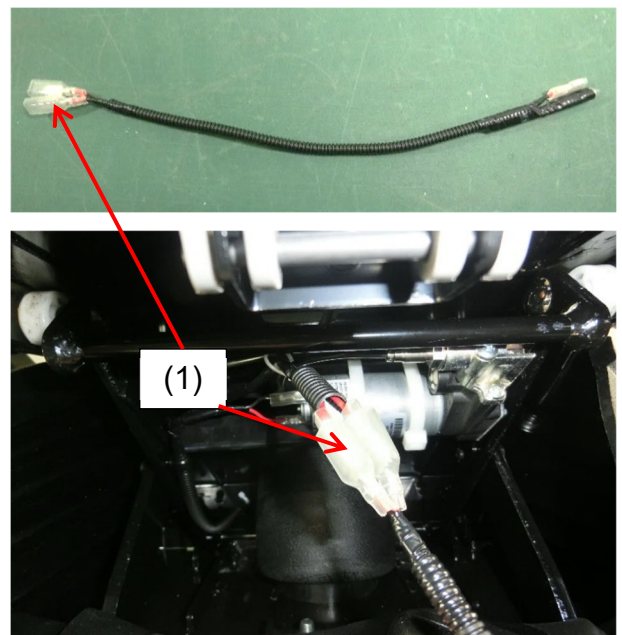
Relocate the position of the two electrical terminals harness (1) under the link shaft (2).

**Step 10:**

Install the new corrugated tube (RD579-3864-0) (1) up to the connectors.

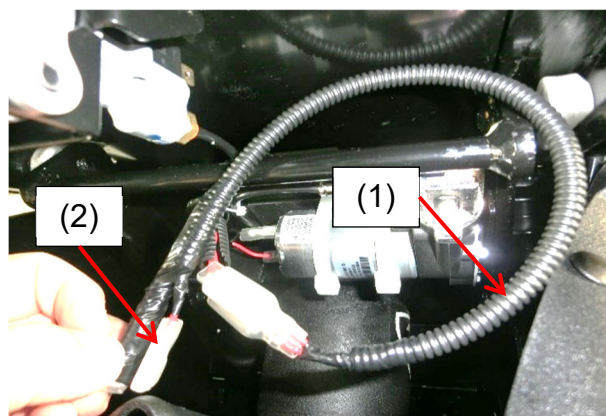
**Step 11:**

Connect the male terminals (1) of the new wire harness (RD579-3861-0) to the electrical terminals which were removed from the switch valve.

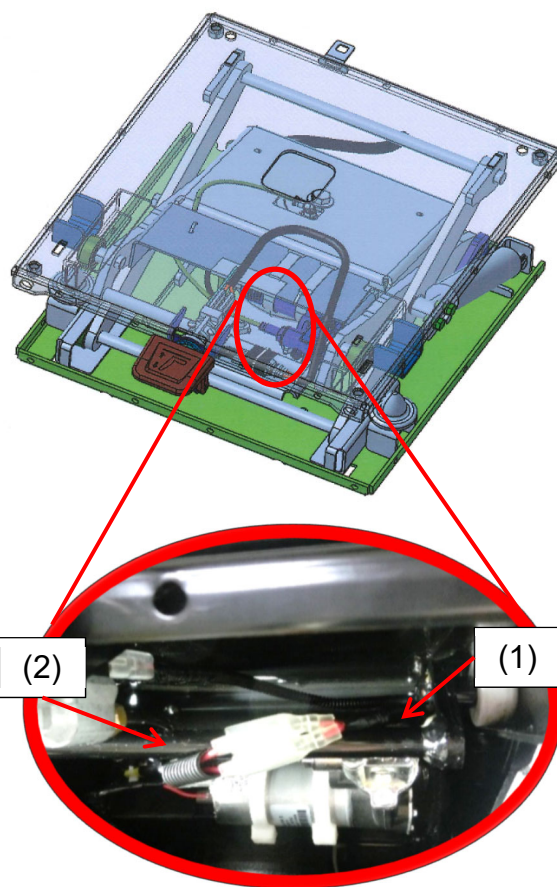


Step 12:

Wind the new wire harness (1) in a loop, then turn the female terminals (2) forward as shown in the picture.

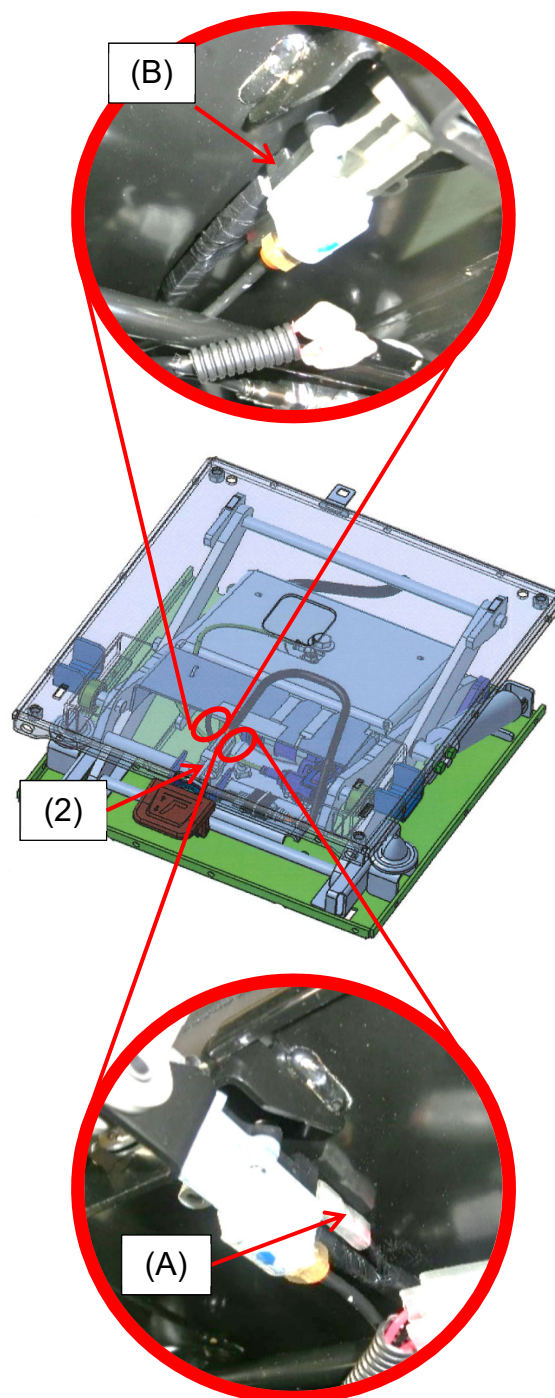
**Step 13:**

Place the wire harness loop (1) onto the compressor bracket (2).



Step 14:

Connect the terminal (A) of the wire harness (1) to the LH side of the switch valve (2).
Connect the terminal (B) of the wire harness (1) to the RH side of the switch valve (2).

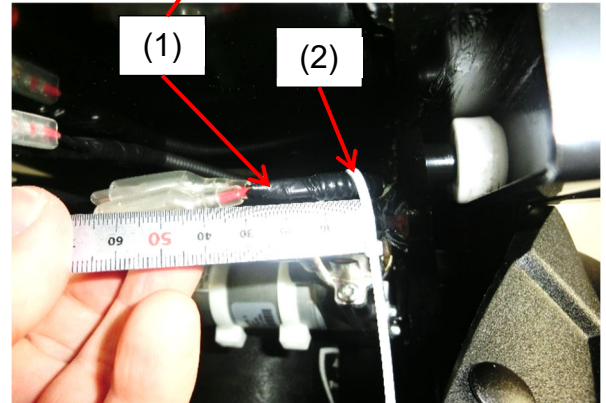
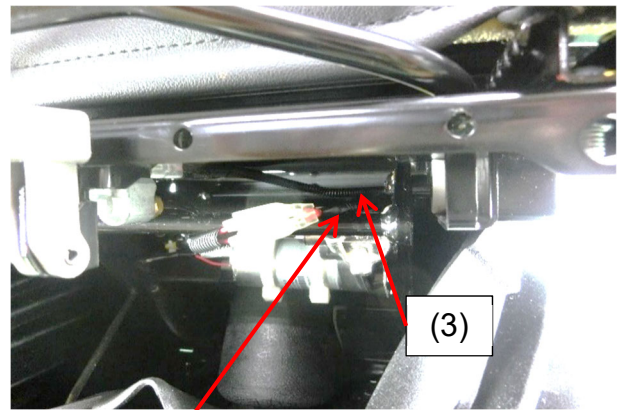


Step 15:

Attach the wire harness (1) with a cable tie (2) (RD579-3863-0) to the link shaft (3).

Note:

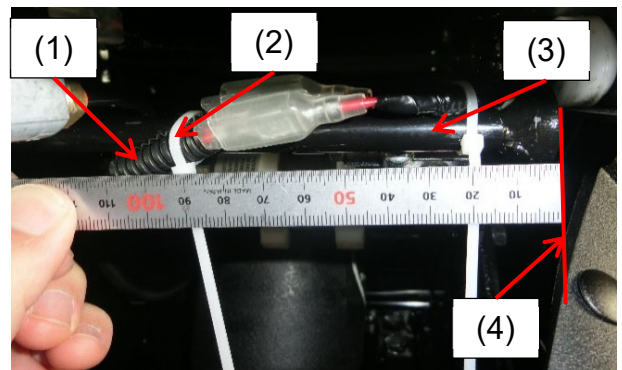
The position of the cable tie should be 30 mm from the electrical connectors.

**Step 16:**

Attach the corrugated tube (1) with a cable tie (2) (RD579-3863-0) to the link shaft (3).

Note:

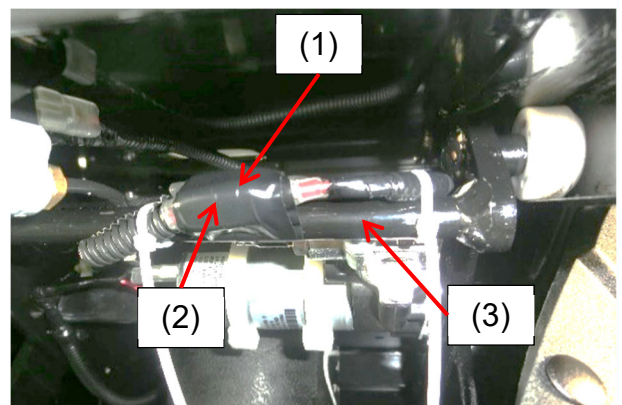
The position of the cable tie should be 90 mm away from the end (4) of the link shaft.

**Step 17:**

Attach the electrical terminals (1) firmly with the tape (2) (RD579-3862-0) to the link shaft (3).

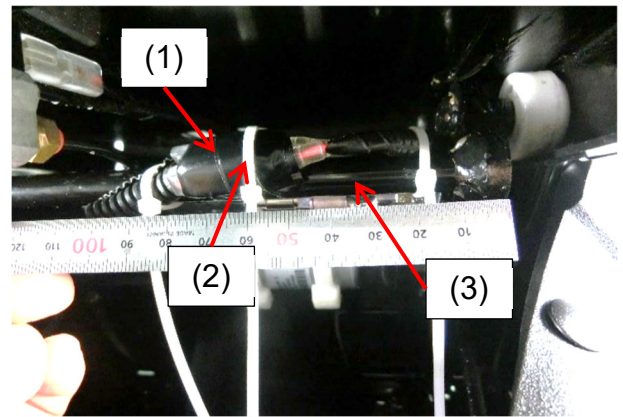
Note:

The electrical terminals should be located on front of the link shaft. Do not locate them on the upper or lower side of the link shaft.



Step 18:

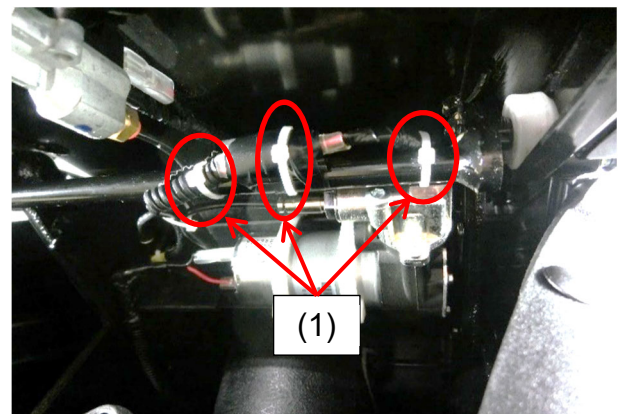
Attach the electric terminals (1) with a cable tie (2) (RD579-3863-0) to the link shaft (3).

**Step 19:**

Cut the remaining parts of the cable ties (1).

Note:

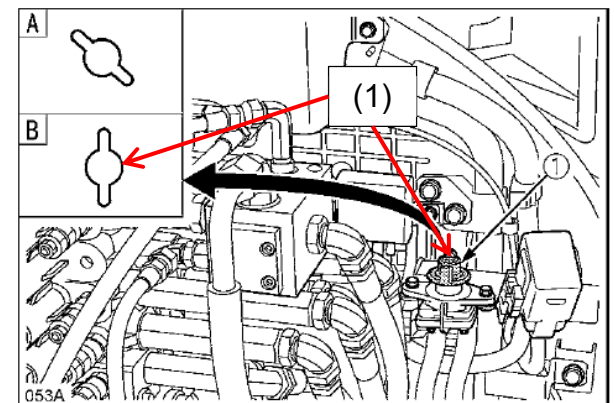
Remaining length should be 1 mm or less after cutting.

**Step 20:**

If the machine is also concerned from KTSE-SB-2104, stop here and proceed with KTSE-SB-2104.

Step 21:

Turn the battery isolator switch (1) to “ON” (B) position and close the RH bonnet (2).



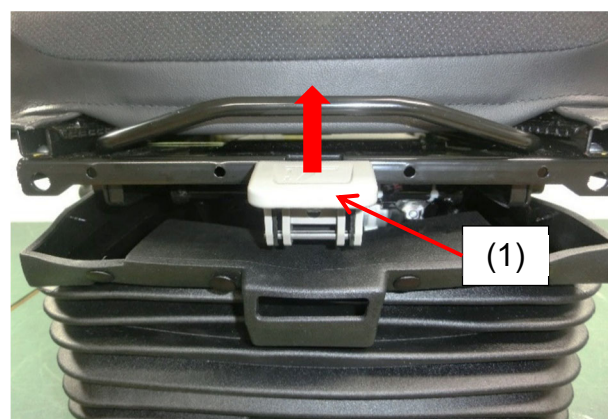
Step 22:

Switch the starter key to “RUN” position.



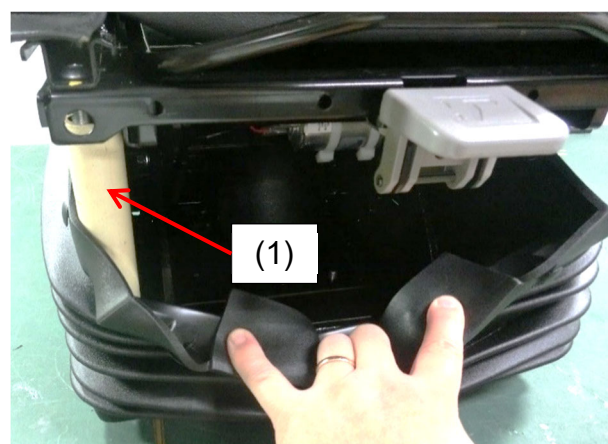
Step 23:

Lift up the seat with the height adjustment lever (1).



Step 24:

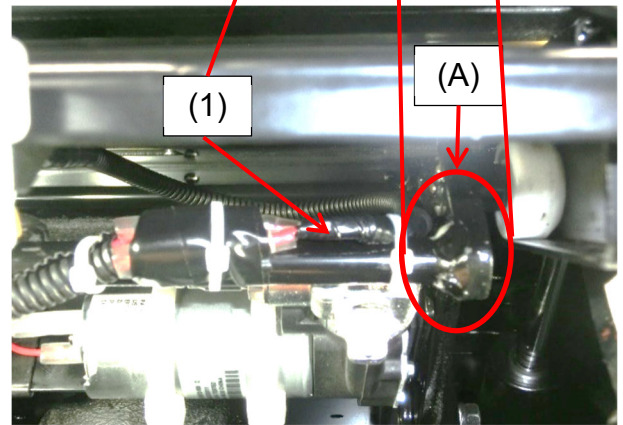
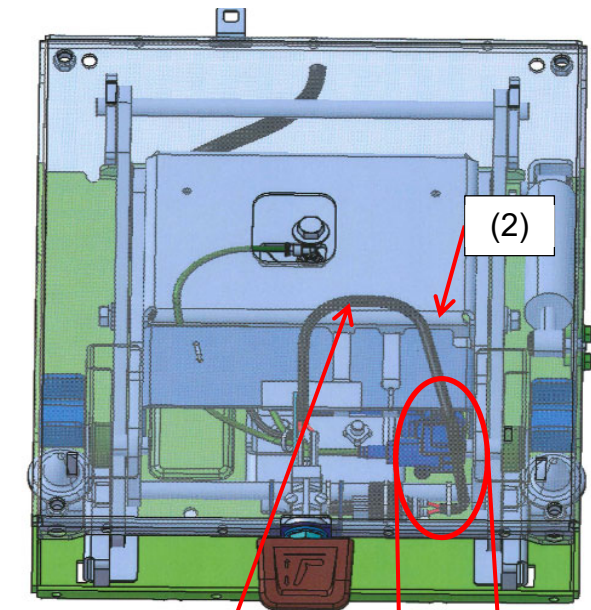
Remove the support (1).



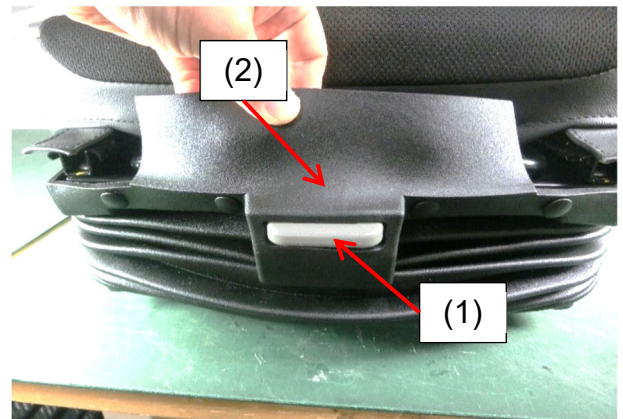
Step 25:

Confirm that the seat height adjustment function works correctly.

Confirm during the test the proper routing conditions of the wire harness. The wire harness (1) does not get caught by the link (2) at position (A). Confirm that the wire harness is not under tension and that the electrical terminals did not come off.

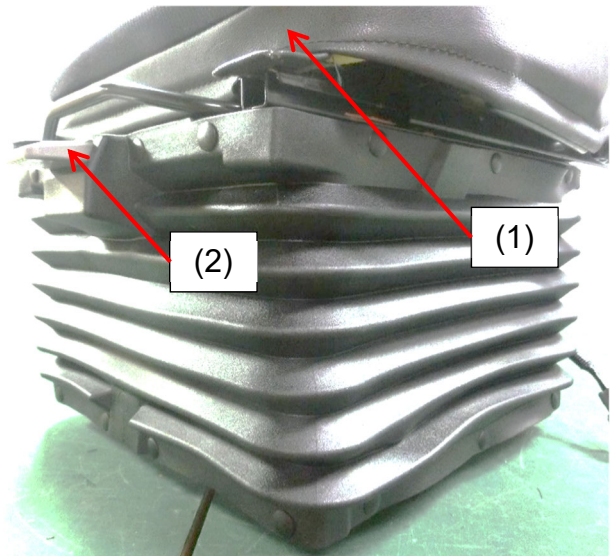
**Step 26:**

Set the seat height to the lowest position with the height adjustment lever (1) and install the boot (2).



Step 27:

Set the seat (1) height to the highest position with the height adjustment lever (2).



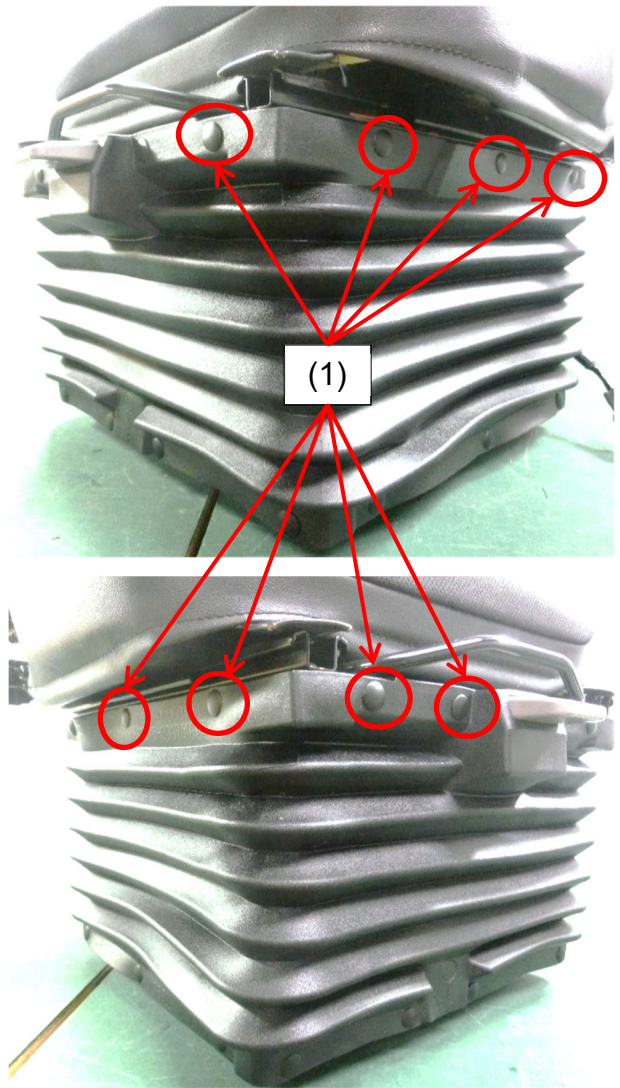
Step 28:

Switch the starter key to “STOP” position.



Step 29:

Install the boot with the eight new clips (1) (RD579-3865-0).

**C. Spare Part Information**

Part number	Part name	Qty
RD579-3831-0	Kit, harness air suspension seat	1
This kit contains:		
RD579-3861-0	Harness, wire	1
RD579-3862-0	Tape	1
RD579-3863-0	Band, nylon	3
RD579-3864-0	Tube, corrugated	1
RD579-3865-0	Clip	8

D. Warranty Information

IMPORTANT:

The below warranty conditions are based on the requested simultaneous completion of mandatory campaigns KTSE-SB-2103 (present one), KTSE-SB-2102, KTSE-SB-2104 and KTSE-SB-2105.

Note that:



Still, it remains mandatory to submit Individual warranty claims for KTSE-SB-2103 (present one), KTSE-SB-2102, KTSE-SB-2104 and KTSE-SB-2105.



The mileage and campaign incentive will be paid only once with KTSE-SB-2102.

1. Conditions:

Parts:	Yes
Labour:	0,3 hours
Mileage:	No
Campaign allowance:	No

2. Replaced parts:

☐ Return ☐ Store ☐ Attach photos to claim, then scrap ☒ Scrap

This instruction has priority to the ones given by Kubota Net at time of claim posting.

Ensure to mention this bulletin's reference number on the related warranty claim.

E. Target date

This campaign must be completed as soon as possible and with the highest priority.

Target date: **1 year after the bulletin's publication date.**

F. List of concerned machines

Sales company	Model	Serial number	Material code	Sales company	Model	Serial number	Material code
KBD	KX060-5	10010	RD37963180	KBD	KX060-5	10198	RD37963180
		10011	RD37963180			10199	RD37963180
		10015	RD37963180			10216	RD37963180
		10018	RD37963180			10220	RD37963180
		10019	RD37963180			10221	RD37963180
		10044	RD37963180			10244	RD37963180
		10051	RD37963180			10250	RD37963180
		10054	RD37963180			10252	RD37963180
		10055	RD37963180			10253	RD37963180
		10057	RD37963180			10256	RD37963180
		10061	RD37963180			10259	RD37963180
		10062	RD37963180			10260	RD37963180
		10063	RD37963180			10261	RD37963180
		10064	RD37963180			10262	RD37963180
		10067	RD37963180			10263	RD37963180
		10068	RD37963180			10264	RD37963180
		10069	RD37963180			10268	RD37963180
		10070	RD37963180			10270	RD37963180
		10072	RD37963180			10272	RD37963180
		10076	RD37963180			10273	RD37963180
		10077	RD37963180			10274	RD37963180
		10078	RD37963180			10277	RD37963180
		10114	RD37963180			10282	RD37963180
		10121	RD37963180			10283	RD37963180
		10141	RD37963180			10286	RD37963180
		10145	RD37963180			10287	RD37963180
		10160	RD37963180			10288	RD37963180
		10162	RD37963180			10289	RD37963180
		10163	RD37963180			10292	RD37963180
		10165	RD37963180			10293	RD37963180
		10168	RD37963180			10294	RD37963180
		10169	RD37963180			10295	RD37963180
		10170	RD37963180			10298	RD37963180
		10173	RD37963180			10301	RD37963180
		10174	RD37963180			10302	RD37963180
		10175	RD37963180			10303	RD37963180
		10186	RD37963180			10304	RD37963180
		10188	RD37963180			10306	RD37963180
		10189	RD37963180			10307	RD37963180
		10191	RD37963180			10308	RD37963180
		10192	RD37963180			10309	RD37963180
		10193	RD37963180			10310	RD37963180
		10194	RD37963180			10316	RD37963180
		10197	RD37963180			10318	RD37963180

Sales company	Model	Serial number	Material code	Sales company	Model	Serial number	Material code
KBD	KX060-5	10319	RD37963180	KBD	U56-5	10186	RD57960180
		10321	RD37963180			10187	RD57960180
		10330	RD37963180			10188	RD57960180
	U50-5	10004	RD47960180			10191	RD57960180
		10019	RD57960180			10194	RD57960180
	U56-5	10031	RD57960180			10201	RD57960180
		10034	RD57960180			10202	RD57960180
		10038	RD57960180			10205	RD57960180
		10041	RD57960180			10227	RD57960180
		10050	RD57960180			10230	RD57960180
		10052	RD57960180			10257	RD57960180
		10055	RD57960180			10263	RD57960180
		10056	RD57960180			10267	RD57960180
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Sales company	Model	Serial number	Material code	Sales company	Model	Serial number	Material code
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		10110	RD37963180			10265	RD37964180
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		10143	RD37963180			10020	RD57960180
		10144	RD37963180			10021	RD57960180
		10146	RD37963180			10022	RD57960180
		10147	RD37963180			10023	RD57960180

Sales company	Model	Serial number	Material code	Sales company	Model	Serial number	Material code
KE	U56-5	10027	RD57960180	KE	U56-5	10208	RD57960180
		10035	RD57960180			10210	RD57960180
		10036	RD57960180			10211	RD57960180
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		10043	RD57960180			10216	RD57960180
		10044	RD57960180			10218	RD57960180
		10045	RD57961180			10219	RD57960180
		10046	RD57960180			10220	RD57960180
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		10071	RD57960180			10232	RD57960180
		10072	RD57960180			10233	RD57960180
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		10085	RD57960180			10251	RD57960180
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		10099	RD57960180			10273	RD57960180
		10100	RD57960180			10288	RD57960180
		10101	RD57960180			10295	RD57960180
		10102	RD57960180			10297	RD57960180
		10103	RD57960180			10298	RD57960180
		10104	RD57960180			10299	RD57960180
		10113	RD57960180			10309	RD57960180
		10114	RD57960180			10312	RD57960180
		10116	RD57960180			10315	RD57960180
		10117	RD57960180			10316	RD57960180
		10124	RD57960180			10318	RD57960180
		10138	RD57960180			10324	RD57960180
		10139	RD57960180			10331	RD57960180
		10147	RD57960180			10333	RD57960180
		10150	RD57960180			10334	RD57960180
		10161	RD57961180			10337	RD57960180
		10171	RD57960180			10339	RD57960180
		10180	RD57961180			10340	RD57960180
		10196	RD57960180			10344	RD57960180
		10197	RD57960180			10345	RD57960180
		10199	RD57960180	KUK	KX060-5	10032	RD37963180
		10204	RD57960180			10033	RD37963180

Sales company	Model	Serial number	Material code	Sales company	Model	Serial number	Material code
KUK	KX060-5	10034	RD37963180	KUK	KX060-5	10243	RD37963180
		10036	RD37963180			10247	RD37963180
		10037	RD37963180			10280	RD37963180
		10040	RD37963180		U56-5	10004	RD57960180
		10041	RD37963180			10028	RD57960180
		10052	RD37963180			10030	RD57960180
		10053	RD37963180			10047	RD57960180
		10081	RD37963180			10077	RD57960180
		10082	RD37963180			10241	RD57960180
		10083	RD37963180			10242	RD57960180
		10142	RD37963180			10246	RD57960180
		10176	RD37963180			10247	RD57960180
		10179	RD37963180			10249	RD57960180
		10200	RD37963180			10250	RD57960180
		10202	RD37963180			10275	RD57960180
		10204	RD37963180			10280	RD57960180
		10207	RD37963180			10281	RD57960180
		10209	RD37963180			10286	RD57960180
		10210	RD37963180			10287	RD57960180
		10236	RD37963180				