



Kubota

SUBJECT : SLOW ARM CROWDING

Bulletin No :
CM-23-033-01-KEEN
Date : Oct. 12, 2023
Ref.PB No :

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Kubota Europe S.A.S

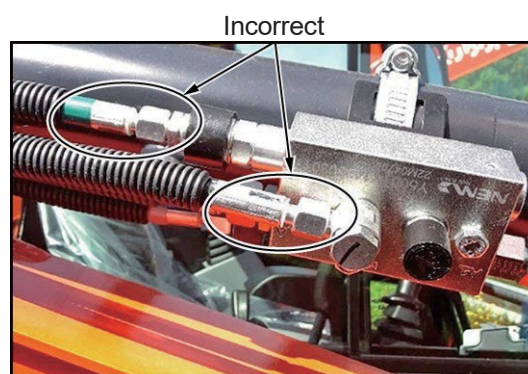
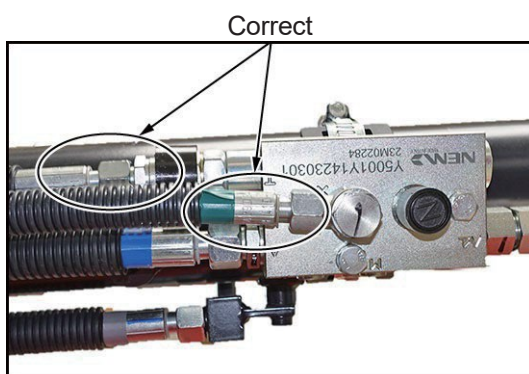
MODEL : U27-4, KX027-4, AND KX030-4

AFFECTED SERIAL NUMBER : REFER TO THE SERIAL NUMBER LIST.

AFFECTED COUNTRY : KBD, KE, AND KUK

REASON FOR ISSUE :

Cases of slightly lower speed and unusual noise while crowding the arm have been reported. Investigations revealed that this was caused by inverted hydraulic hose connections at the arm cylinder. We herewith request you to check the hose connections and take the corrective measures in case they are confirmed inverted. Machine list at page 6/6.



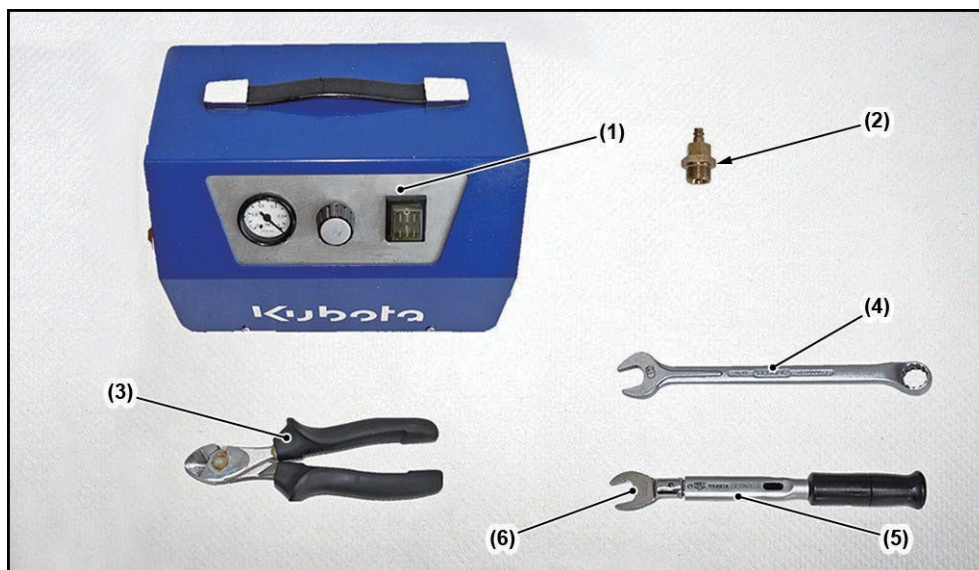
PARTS INFORMATION :

No.	Parts No.	Parts Name	Q'ty	Remarks
1	69481-11190	Band inlet	1	-

☒ **WARRANTY INFORMATION**

- ☐ Mandatory Campaign :
<Importance rank and treatment completion target date>
 - ☐ M(A) : By the end of
 - ☐ M(B) : Within 1 year from the date of this service bulletin issue.
 - ☐ M(C) : Within 3 years from the date of this service bulletin issue.
- ☒ Technical Bulletin : Allowable Man-hours ; 1.0 hrs.
Expiration date : 5 years from machine retail date
- ☐ Quality Related Information :

☐ **SERVICE INFORMATION**



No.	Tool Name	Remarks
(1)	Vacuum pump	
(2)	3/4" screw-in adapter	
(3)	Side cutters	
(4)	Spanner, 17 mm	
(5)	Torque wrench	15 to 20 N·m
(6)	Socket, 17 mm	

■ NOTE

- Tightening torques not indicated in the present service bulletin are to be taken from the torque specification tables of the machine workshop manual.

Parts listed in the Part Information and removed during repair are not to be reused. Others are to be reused.

⚠ WARNING

To avoid personal injury or death:

- Park the machine on a firm and level ground and set the parking brake.
- Lower the bucket to the ground.
- Set all controls in their neutral positions.
- Release all residual pressure of the hydraulic system.
- Stop the engine. Remove the key from the ignition.
- The engine, hydraulic components and coolants can be hot. Wait until all the components are cooled down sufficiently to avoid burns.
- Clean the work area and the machine.
- Disconnect the battery negative cable.
- Hang a "DO NOT OPERATE" tag on the operator station.
- Put on working clothes and personal protective equipment.
- Read all instructions and safety instructions in this bulletin and safety labels on your machine.
- Follow the local safety regulations and/or laws in your country.
- If you are working with other people, make sure that your signals and communications are fully understandable for additional safety.

1. Disconnection of the hoses



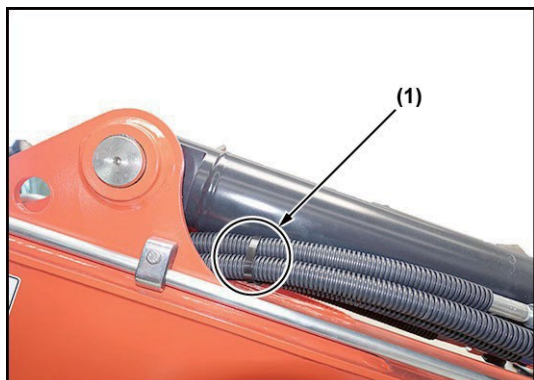
1. Place the arm with the attachment on level ground to provide an ergonomic working height when working on the arm cylinder.



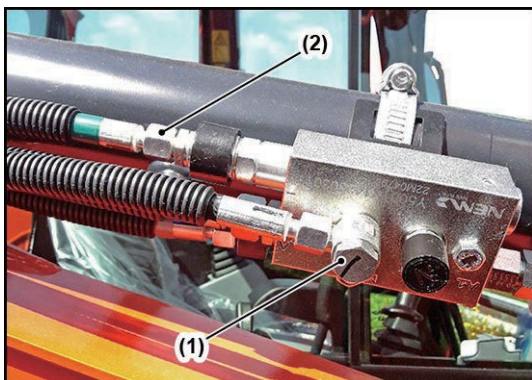
2. Open the tank cover.
(1) Tank cover



3. Remove the breather and connect the vacuum pump (1) with the 3/4" screw-in adapter (2) to the hydraulic oil tank (3).
(1) Vacuum pump
(2) 3/4" screw-in adapter
(3) Hydraulic oil tank



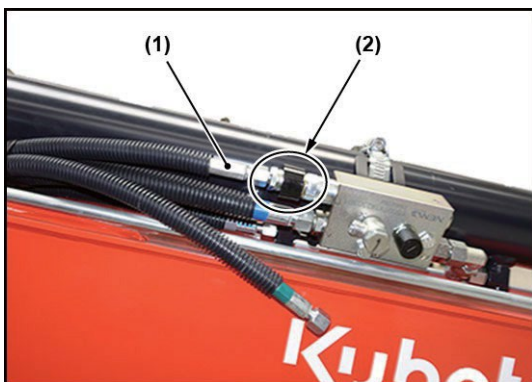
4. Cut the cable binder (1).
(1) Cable binder



5. First disconnect the hose (1) of the X port, then disconnect the hose (2) of the T port hose.

- (1) Hose
(2) Hose

2. Reconnection of the hoses



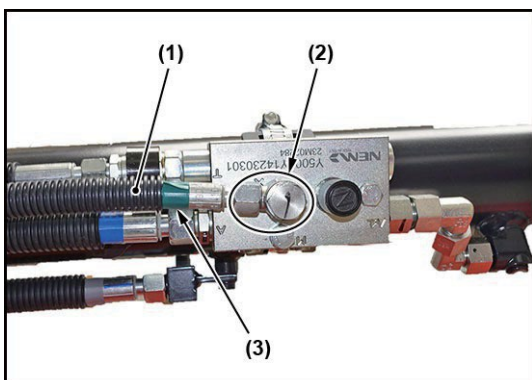
1. Connect the hose (1) to the adapter (2) of the T port.

■ NOTE

- The hose (1) has no marking tape.

Tightening torque	Hose, hydr	15 to 20 N·m
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- (1) Hose
(2) Adapter



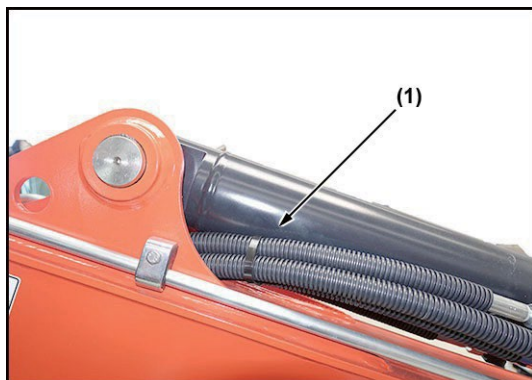
2. Connect the hose (1) to adapter (2) of the X port .

■ NOTE

- The hose (1) has green marking tape (3).

Tightening torque	Hose, hydr	15 to 20 N·m
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- (1) Hose
(2) Adapter
(3) Green marking tape



3. Attach the cable binder as shown in the picture.

(1) Cable binder (69481-11190)



4. Remove the vacuum pump (1) and disconnect the 3/4" screw-in adapter (2) from the hydraulic oil tank (3) and reinstall the breather.

(1) Vacuum pump
(2) 3/4" screw-in adapter
(3) Hydraulic oil tank



5. Close the tank cover (1).

(1) Tank cover

3. Checking process

	1. Check according to the AIM if the crowding function of the arm works properly.
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SERIAL NUMBER LIST

	U27-4			
1	76419	76625	76787	77000
2	76425	76631	76790	77006
3	76400	76632	76792	77008
4	76413	76635	76794	77015
5	76426	76636	76797	77016
6	76398	76638	76807	77017
7	76386	76641	76811	77021
8	76416	76642	76812	77029
9	76408	76644	76814	77032
10	76407	76647	76816	77037
11	76350	76650	76817	77049
12	75778	76652	76822	77054
13	76130	76654	76824	77058
14	75765	76659	76831	77062
15	75542	76660	76836	77076
16	76427	76664	76838	77088
17	76431	76668	76844	77099
18	76440	76676	76847	77101
19	76443	76680	76849	77108
20	76447	76684	76859	77112
21	76448	76690	76874	77125
22	76449	76695	76885	77139
23	76451	76696	76894	77143
24	76453	76699	76897	77167
25	76461	76702	76899	77173
26	76464	76704	76901	(175)
27	76465	76712	76902	
28	76469	76714	76906	
29	76472	76718	76908	
30	76473	76720	76922	
31	76476	76729	76927	
32	76477	76731	76928	
33	76482	76733	76932	
34	76490	76737	76933	
35	76498	76739	76944	
36	76499	76742	76949	
37	76506	76744	76950	
38	76513	76745	76952	
39	76515	76746	76954	
40	76564	76748	76963	
41	76572	76753	76964	
42	76574	76761	76967	
43	76585	76764	76972	
44	76589	76770	76973	
45	76594	76772	76978	
46	76599	76774	76982	
47	76601	76776	76984	
48	76614	76779	76985	
49	76620	76781	76986	
50	76624	76785	76999	

	KX027-4	
1	59769	59494
2	59766	59491
3	59784	59487
4	59773	59484
5	59764	59479
6	59787	59476
7	59790	59473
8	59770	59468
9	59775	59451
10	59780	59421
11	59791	59416
12	59827	59413
13	59795	59412
14	59854	59410
15	59859	59407
16	59760	59404
17	59754	59400
18	59741	59397
19	59730	59393
20	59688	59308
21	59672	59306
22	59667	59305
23	59659	59302
24	59656	59299
25	59654	59298
26	59650	59295
27	59649	59284
28	59646	59276
29	59628	59251
30	59624	59189
31	59622	58981
32	59615	58836
33	59605	58818
34	59592	(83)
35	59586	
36	59577	
37	59562	
38	59545	
39	59544	
40	59543	
41	59534	
42	59531	
43	59529	
44	59528	
45	59522	
46	59517	
47	59507	
48	59503	
49	59502	
50	59499	

	KX030-4	
1	53506	
2	53488	
3	53481	
4	53477	
5	53473	
6	53470	
7	53465	
8	53432	
9	53426	
10	53423	
11	53392	
12	53389	
13	53386	
14	53353	
15	53346	

(15)