DV23CD
DV26CD
Tier 4B (final)
Combination Vibratory Roller

DV23CD - PIN DDDD23CDNKWTR2001 and above
DV26CD - PIN DDDD26CDNKWTS2001 and above

DV23D
DV26D
Tier 4B (final)
Double Drum Vibratory Roller

DV23D - PIN DDDDV23DNJWTL0001 and above
DV26D - PIN DDDDV26DNJWTM0004 and above

SERVICE MANUAL

Part number 51584574
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January 2019

CASE CONSTRUCTION

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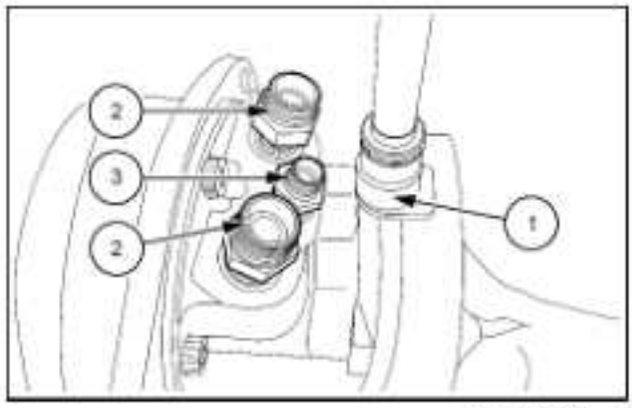
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Motor - Install

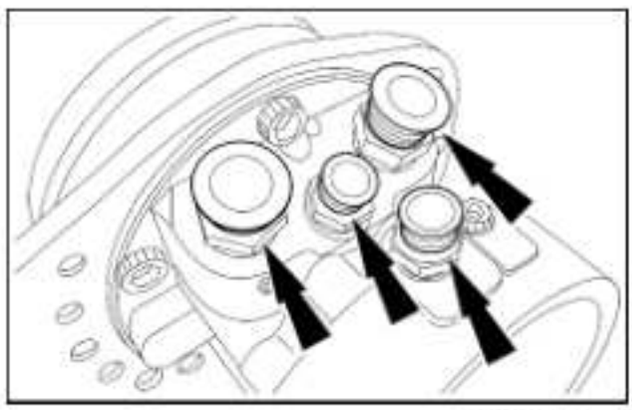
Pre-assemble drive motor

1. Apply **LOCTITE® 242®** to the male nipples **(1)**, **(2)**, and **(3)**.
2. Install the male nipples:
   One 10L/R1/4 male nipple **(1)**; torque to **29 N·m (21.4 lb ft)**
   Two 16S/R1/2 male nipples **(2)**; torque to **135 N·m (99.6 lb ft)**
   One 10L/R3/8 male nipple **(3)**; torque to **55 N·m (40.6 lb ft)**



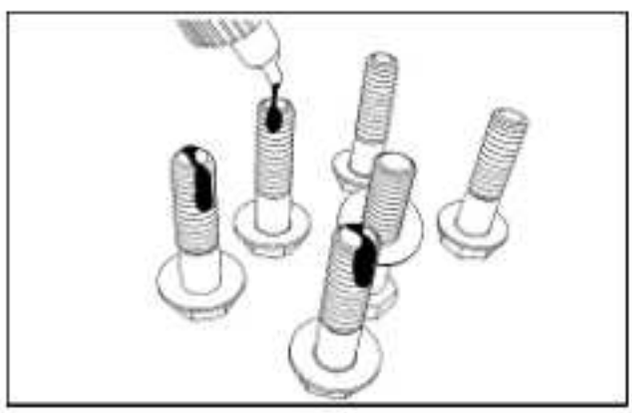
1

3. Cover the male nipples.



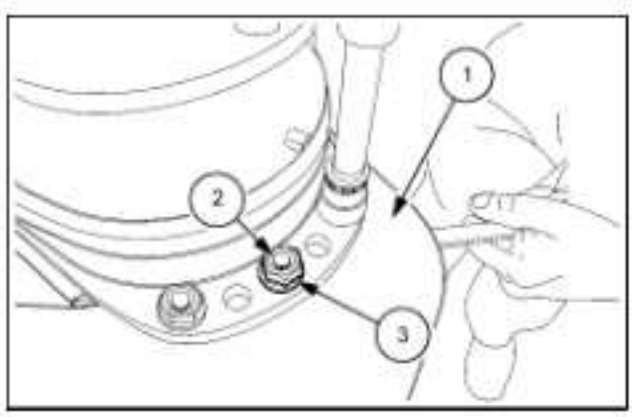
2

4. Put the spring washers on the bolts.
5. Apply **LOCTITE® 242®** to the bolts.



3

6. Mount the hydraulic motor on the wheel support **(1)** with the bolts, the hexagon nuts **(2)** and the spring washers **(3)**.
7. Torque the bolts to **85 N·m (62.7 lb ft)**.



4

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Wiring harnesses - Electrical schematic sheet 03

Pos.	Designation	Comments
A1	Fuel tank level indicator	
A2	Voltage indicator	
A3	Rexroth RC2–2/21 computer	
A4	Bauser multifunctional display	
A5	Infrared (IR) thermometer	
A6	Engine ECU	
A7	Engine speed CAN switch	
B1	Travel level sensor, right-hand	
B2	Travel level sensor, left-hand	
B3	Hydraulic oil temperature sensor	
B4	Fuel level float	
C1	Noise suppressing filter	
E1, 2	Front headlamps	
E3	Rear headlamp	
E12, 14	Front parking lights	
E15, 16	Rear tail lights	
E17, 19	Right-hand turn signal lights	
E18, 20	Left-hand turn signal lights	
E21	Warning beacon	
E22	License plate lighting	
E23, 24	Working lights, ROPS	
E25	Right brake-light	
E26	Left brake-light	
F1 - F16	Fuses (Steering column)	
F20 - F30	Fuses (Battery disconnect panel)	
G1	Battery	
G2	Alternator	

Pos.	Designation	Comments
H1	Warning lamp, error	
H2	Warning lamp, charging control	
H3	Warning lamp, engine oil pressure	
H4	Warning lamp, coolant temperature	
H5	Warning lamp, hydraulic oil temperature	
H6	Warning lamp, emergency stop	
H7	Warning lamp, diesel fuel reserve	
H8	Control lamp, preheating	
H9	Control lamp, brake pressure	
H10	Control lamp, parking light	
H11	Control lamp, front headlight	
H12	Control lamp, turn signal	
H13	Horn	
H14	Reversing alarm	
H15	Quantity divider horn	
H16	Seat contact delay horn	
K4 - K6	Auxiliary realy	
K10	Starter contactor	
K11 - 14	Auxiliary relay	
K20	Pre-heating contactor	
K21, 22	Auxiliary relay	
M1	Starter motor	
M2	Hydraulic oil cooler	
M3	Diesel pump	
M4	Sprinkler pump	
M11	Sprinkler pump, anti-adhesive	

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F33 - Internal power supply outside permissible range

Context:
Fault code F34 shows on the display unit above the hour counter. The vehicle is not driving.

Cause:

1. The **2.5 V** internal power supply is outside the permissible range.

Possible failure modes:

1. Faulty fuse **(F10)**
2. Faulty controller **(N1)**

Solution:

1. Check fuse **(F10)**.

   Inspect fuse **(F10)**. Refer to section **Fuse and relay box - Component localization - Steering column (55.100)**.

   A. The fuse is not defective. Proceed to step **2**.

   B. The fuse is defective. Replace the fuse. Confirm that fault code is no longer recorded.
2. Check if the internal power supply **2.5 V** is outside the permissible range.

   A. The internal power supply is inside the permissible range. Go to step **3**.

   B. The internal power supply is outside the permissible range. Repair or replace power supply as required. Confirm that fault code is no longer recorded.
3. Check if the machine power supply is > **12 V**.

   A. The machine power supply is > **12 V**. Go to step **4**.

   B. The machine power supply is less than **12 V**. Replace the battery. Confirm that fault code is no longer recorded.
4. Check controller **(N1)** and wiring harness.

   Remove the seat assembly in order to access the electronic machine controller **(N1)**. Refer to section **Platform - Remove (90.110)** for procedure.

   Inspect the connections at controller **(N1)**.

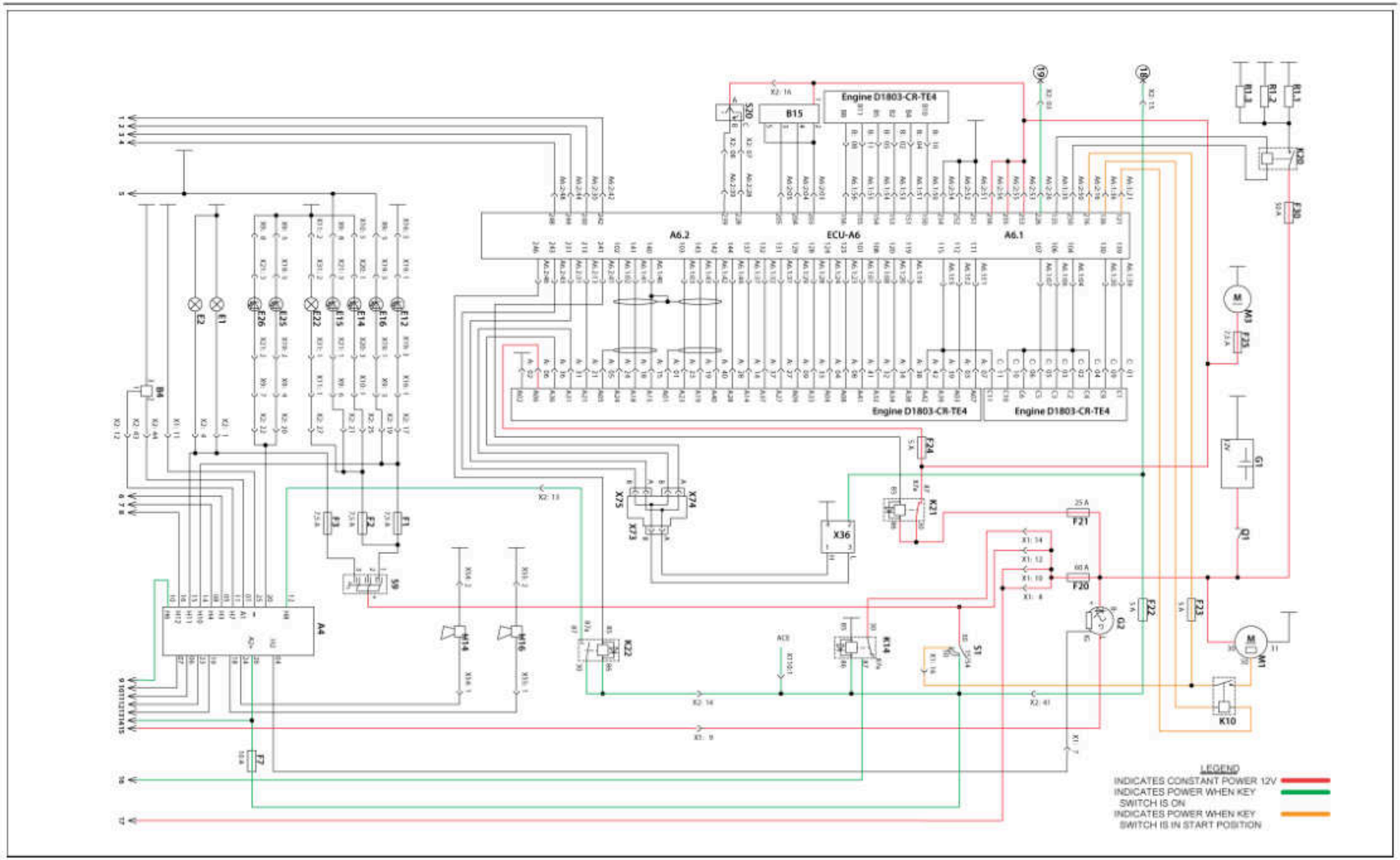
   Inspect the wiring harness from the controller **(N1)**.

   A. The connections are not secure or the harness is damaged. Repair or replace the connections or harness as required. Confirm that fault code is no longer recorded.

   B. The connections are secure and the harness is free of damage. Replace the controller **(N1)**. Confirm that fault code is no longer recorded.

Wiring harnesses - Electrical schematic sheet 01 (55.100.DP-C.20.E.01)
Wiring harnesses - Electrical schematic sheet 01 (55.100.DP-C.20.E.01)
Wiring harnesses - Electrical schematic sheet 02 (55.100.DP-C.20.E.02)

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