Dane aktualne na dzień: 06-05-2024 01:40

Link do produktu: https://www.specdiag.pl/komatsu-br35ojg-1-sn-1005-and-up-kruszarki-warsztatowe-instrukcje-napraw-schematy-instalacji-dtr-do-p-1492.html

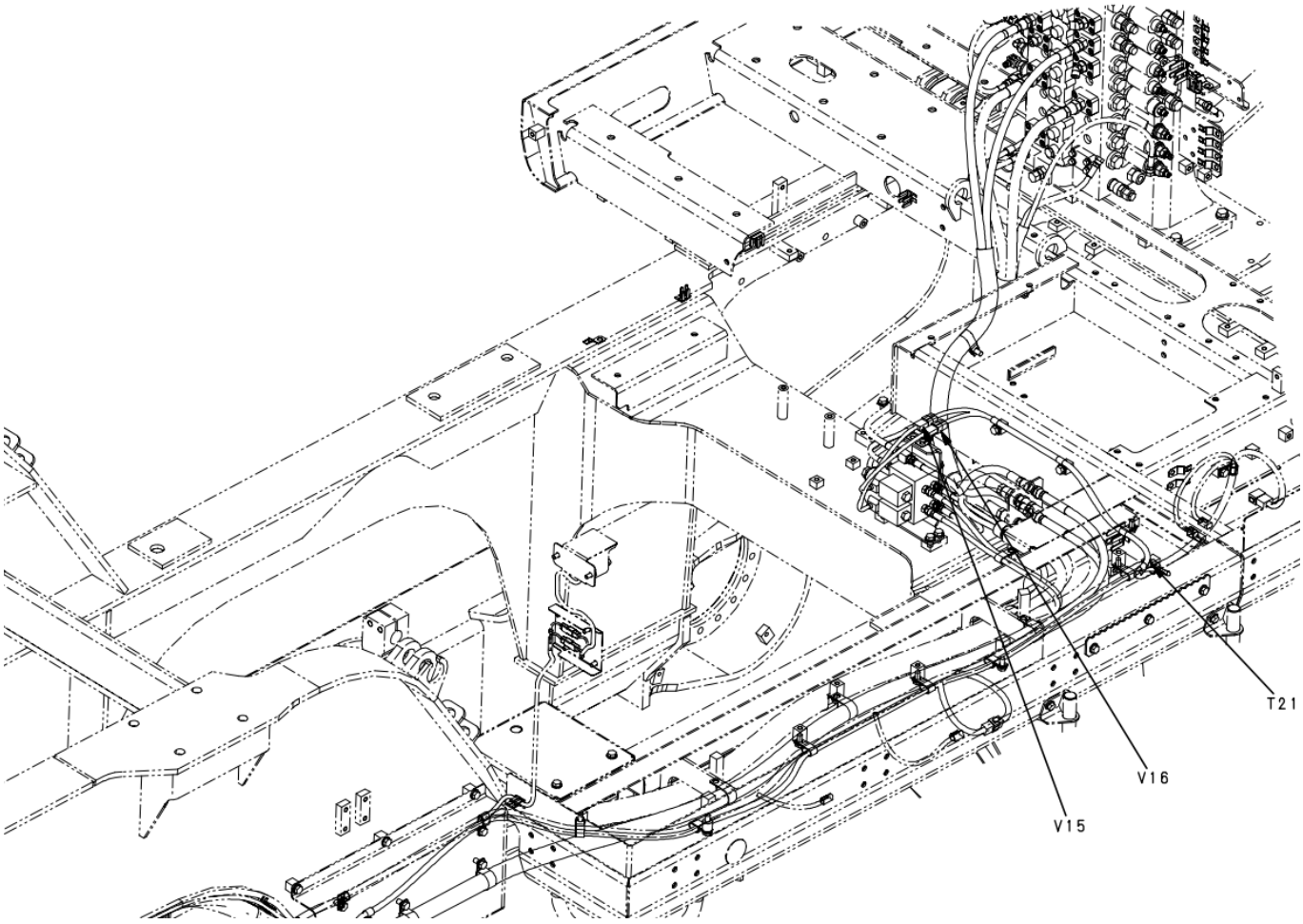
Komatsu BR35OJG-1 - SN, 1005 AND UP - Kruszarki - Warsztatowe instrukcje napraw, schematy instalacji, DTR - do

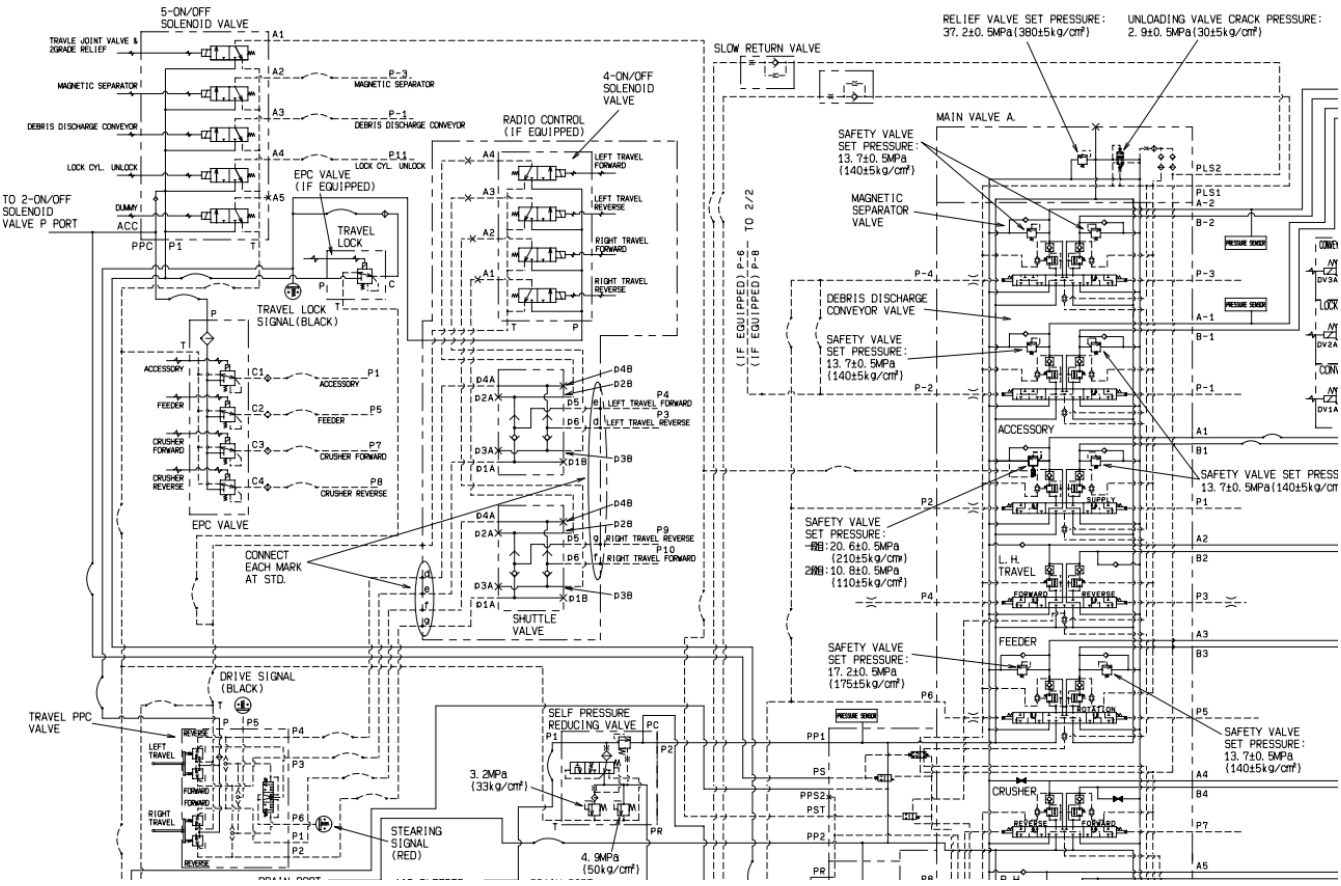
Cena	**250,00 zł**

Opis produktu

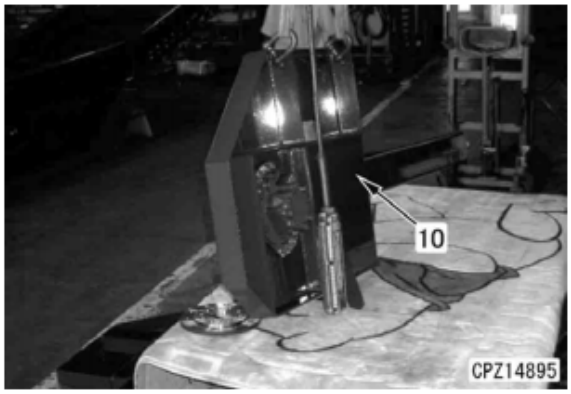
Komatsu Crushers - Kruszarki - warsztatowe instrukcje napraw, schematy instalacji, DTR - dokumentacja serwisowa.

Komatsu BR35OJG -1 - SN, 1005 AND UP

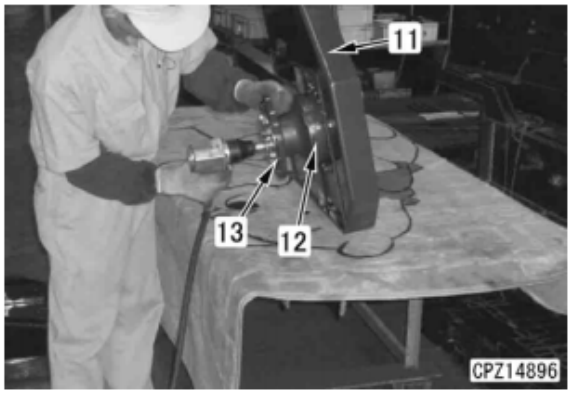

T21
V16
V15


5-ON/OFF SOLENOID VALVE
TRAVLE JOINT VALVE & UPGRADE RELIEF
MAGNETIC SEPARATOR
DEBRIS DISCHARGE CONVEYOR
LOCK CYL. UNLOCK
DUMMY
ACC
PPC
P1
T
TO 2-ON/OFF SOLENOID VALVE P PORT
A1
A2
A3
A4
A5
P-3
MAGNETIC SEPARATOR
P-1
DEBRIS DISCHARGE CONVEYOR
P11
LOCK CYL. UNLOCK
EPC VALVE (IF EQUIPPED)
TRAVEL LOCK
TRAVEL LOCK SIGNAL(BLACK)
4-ON/OFF SOLENOID VALVE
RADIO CONTROL (IF EQUIPPED)
LEFT TRAVEL FORWARD
LEFT TRAVEL REVERSE
RIGHT TRAVEL FORWARD
RIGHT TRAVEL REVERSE
ACCESSORY
FEEDER
CRUSHER FORWARD
CRUSHER REVERSE
C1
C2
C3
C4
P1
P5
P7
P8
EPC VALVE
CONNECT EACH MARK AT STD.
D4A
D2A
D3A
D1A
D4B
D2B
D5
D6
D3B
D1B
P4
P3
P9
P10
SHUTTLE VALVE
DRIVE SIGNAL (BLACK)
TRAVEL PPC VALVE
STEARING SIGNAL (RED)
SELF PRESSURE REDUCING VALVE
PC
P2
3.2MPa (33kg/cm²)
4.9MPa (50kg/cm²)
PR
SLOW RETURN VALVE
(IF EQUIPPED) P-6
(IF EQUIPPED) P-8
TO 2/2
RELIEF VALVE SET PRESSURE: 37.2±0.5MPa(380±5kg/cm²)
UNLOADING VALVE CRACK PRESSURE: 2.9±0.5MPa(30±5kg/cm²)
MAIN VALVE A.
SAFETY VALVE SET PRESSURE: 13.7±0.5MPa (140±5kg/cm²)
MAGNETIC SEPARATOR VALVE
DEBRIS DISCHARGE CONVEYOR VALVE
SAFETY VALVE SET PRESSURE: 13.7±0.5MPa (140±5kg/cm²)
SAFETY VALVE SET PRESSURE: 20.6±0.5MPa (210±5kg/cm²)
SAFETY VALVE SET PRESSURE: 10.8±0.5MPa (110±5kg/cm²)
SAFETY VALVE SET PRESSURE: 17.2±0.5MPa (175±5kg/cm²)
SAFETY VALVE SET PRESSURE: 13.7±0.5MPa (140±5kg/cm²)
PLS2
PLS1
A-2
B-2
P-4
P-3
A-1
B-1
P-2
P-1
A1
B1
P1
A2
B2
P4
P3
A3
B3
P6
P5
A4
B4
P7
A5
ACCESSORY
L.H. TRAVEL
FEEDER
CRUSHER
FORWARD
REVERSE
SUPPLY
PRESSURE SENSOR
PP1
PS
PPS2
PST
PP2
PR

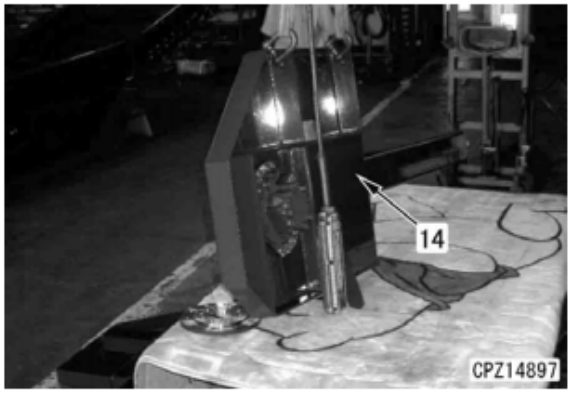
13. Remove frame assembly (10) as a unit.



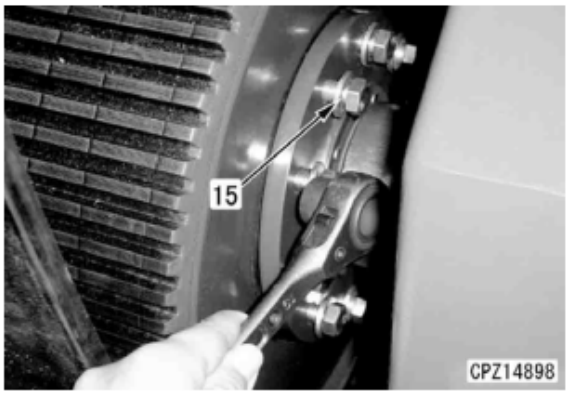
14. Install motor (12) and flange (13) to new frame (11).



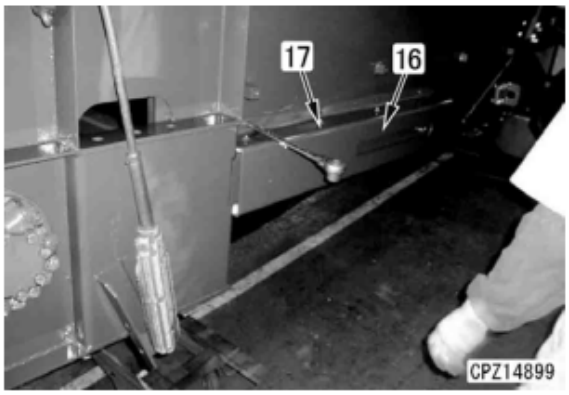
15. Sling frame assembly (14) with the crane.



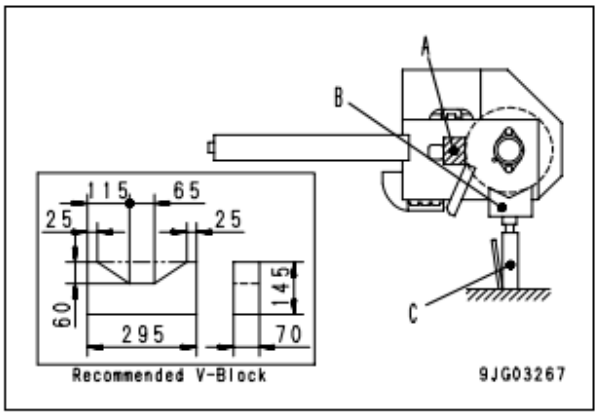
16. Position the head pulley and motor flange and connect them with bolts (15).



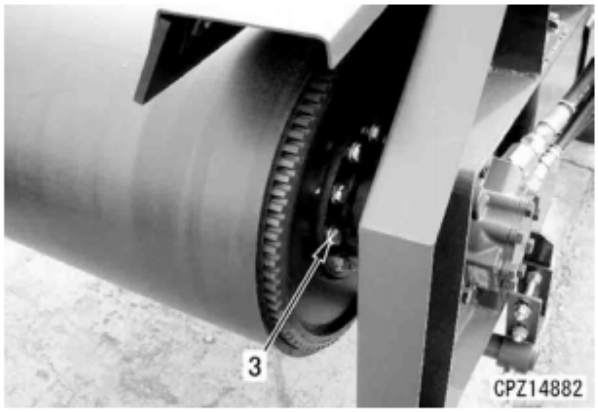
17. Install cover (16) to the head pulley frame and secure it with bolts (17).



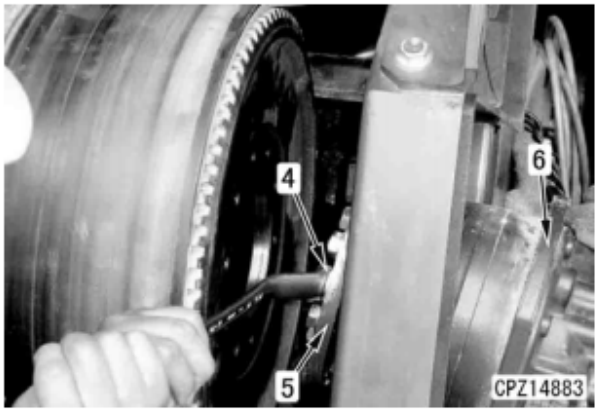
18. Go to step 29 (Sub-assembly of head pulley frame).



5. Remove flange bolts (3) from the pulley.
   - ★ Bolt size: M12 × 10 pieces
   - ★ At this time, take care that the pulley shaft will not move from the frame.

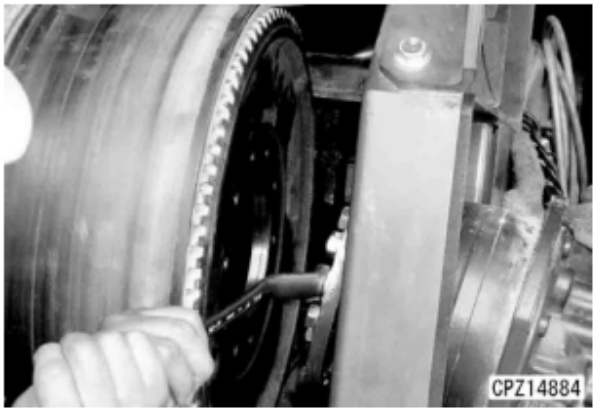


6. Remove motor flange mounting bolts (4) to remove flange (5) from motor (6).
   - ★ Bolt size: M12 × 10 pieces

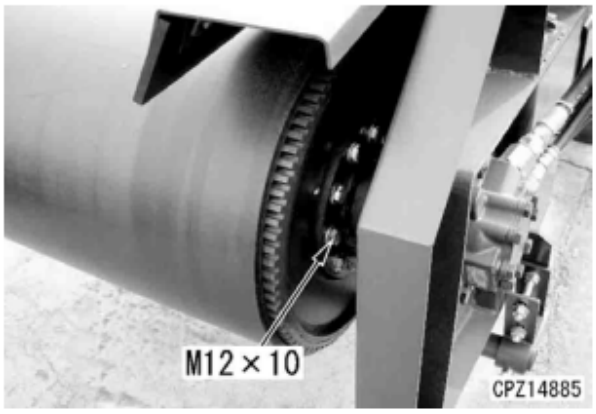


Installation

1. Replace the motor and install the flange to the new motor.
   - ★ Bolt size: M12 × 10 pieces



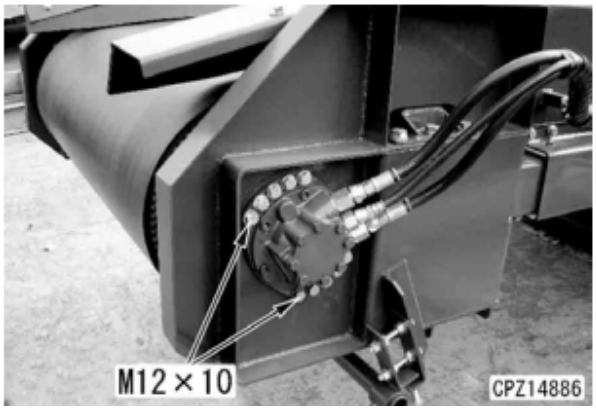
2. Install the flange to the pulley.
   - ★ Bolt size: M12 × 10 pieces
   - ★ At this time, take care that the pulley shaft will not move from the frame.



3. Install the motor flange to the frame.
   - ★ Bolt size: M12 × 10 pieces

4. Increase the belt tension to the value marked in step 1.

5. Install the conveyor assembly to the body.

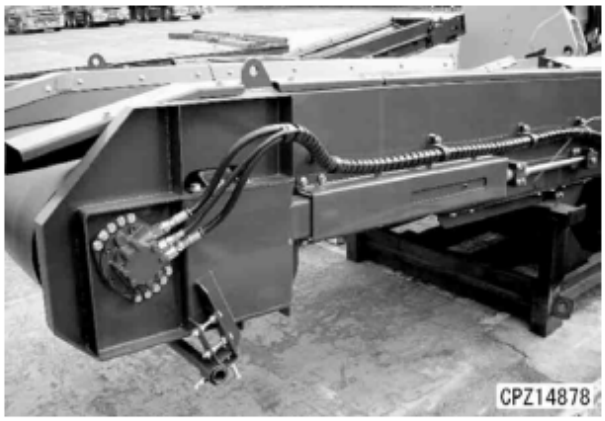


Replacement of primary belt conveyor motor

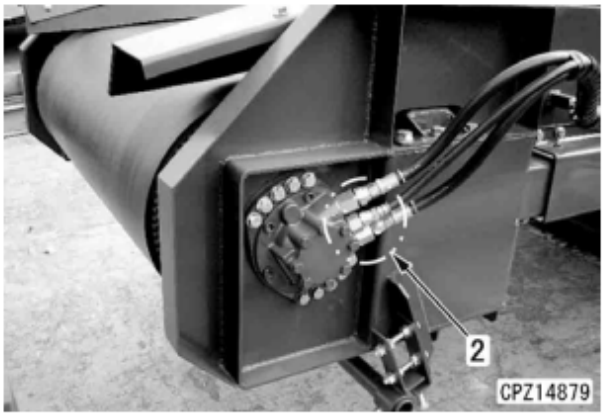
Removal

1. Loosen tension adjustment bolt (1) to reduce the belt tension.
   - ★ Loosen the tension adjustment bolts fully.
   - ★ Make a mark at the original tension point in advance.

2. Lower the conveyor assembly.
   - ★ For removal, see “Removal and installation of primary belt conveyor assembly”.

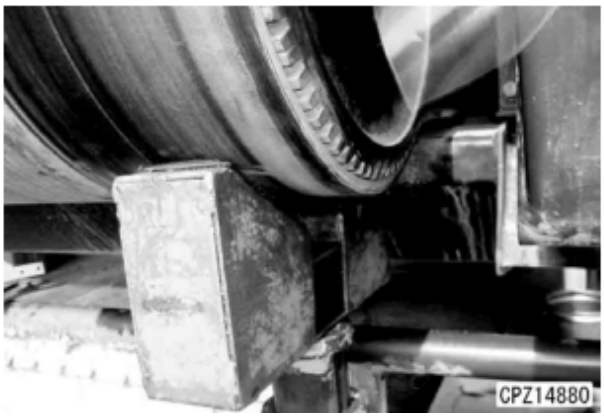


3. Disconnect conveyor motor hoses (2) from the body.
   - ★ Plug the disconnected hoses to prevent oil from flowing out.
     - Size 03
       (Flat face-to-face O-ring seal)...1 set
     - Size 04
       (Flat face-to-face O-ring seal)...2 sets



4. Fix the head pulley with a block so that it will not be misaligned with the frame.
   - ★ If right and left frame joints (3) and (4) are removed, the motor will be misaligned and may be broken. Accordingly, do not remove those joints.

   (A) Insert wooden block to fix pulley.
   (B) Fix head pulley assembly with V-block to prevent misalignment.
   (C) Adjust height with jack.



Replacement of belt

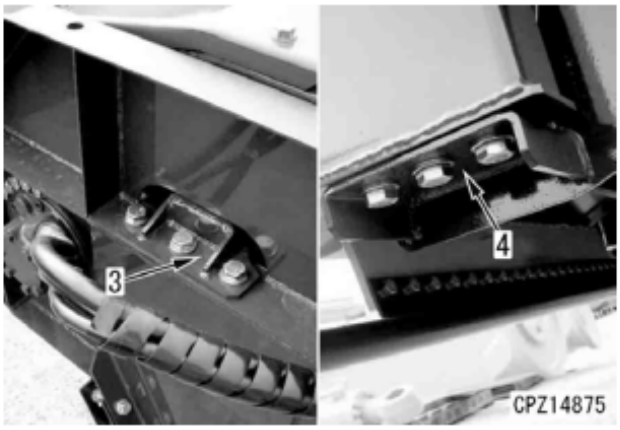
When performing the following work, call a belt sticking work subcontractor (Operation and Maintenance Manual 7-15) as a supervisor. Ask the subcontractor to carry out the sticking work (vulcanization at normal temperature) in the field.

Removal

1. Loosen right and left tension adjustment bolts (1) alternately to reduce the belt tension.
   - ★ Loosen the tension adjustment bolts fully.
   - ★ Make a mark at the original tension point in advance.

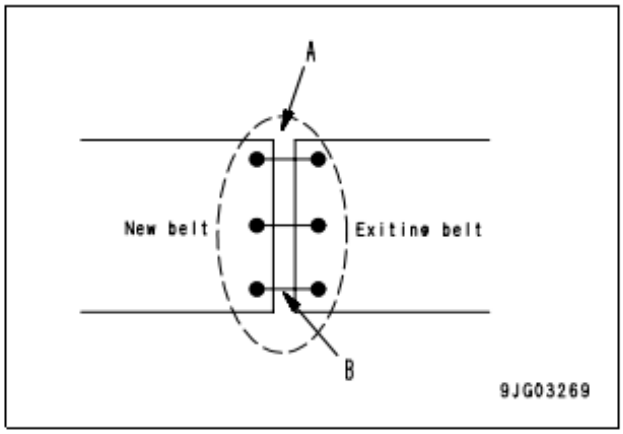
(The following is shown for reference: Contents of work performed by the subcontractor)

2. Cut the belt
   - ★ The cut point shown in the figure is for reference only.
   - ★ Cut the belt in a place where you can work easily.
   - ★ If right and left head pulley joints (3) and (4) are removed, the motor will be misaligned and may be broken. Accordingly, do not remove those joints.



Installation

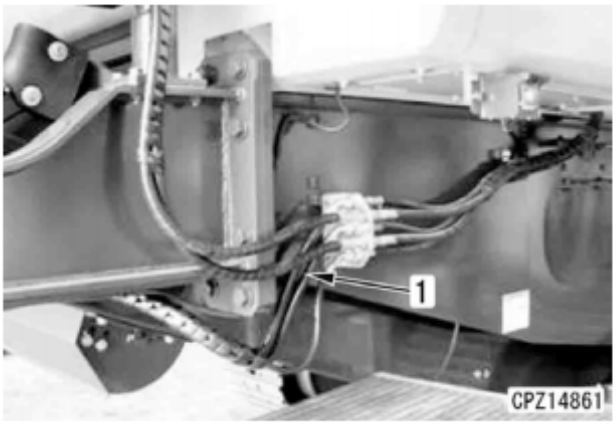
1. Connect the existing belt and the new belt by strong lines (or wires).
   (A): Connect by strong lines (or wires) at minimum of 3 points (both ends and center).
   (B): Strong line (or wire)



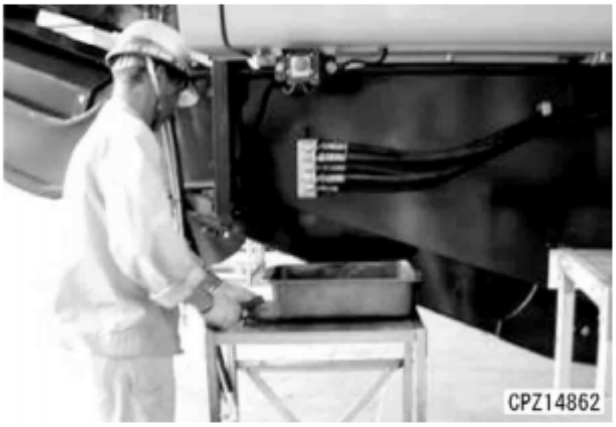
Removal and installation of primary belt conveyor assembly

Removal

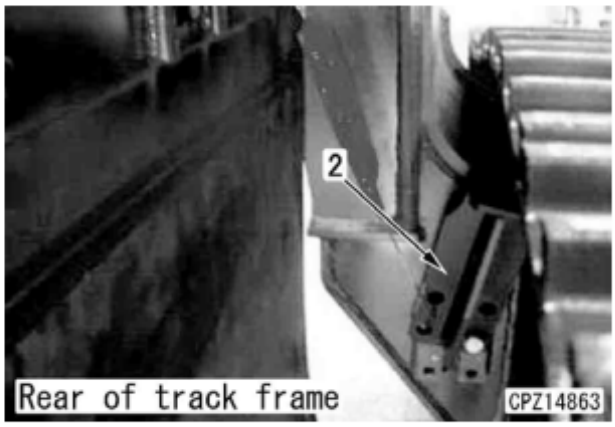
1. Remove conveyor hose (1).
   - ★ Plug the disconnected hoses to prevent oil from flowing out.
     - Size 03
       (Flat face-to-face O-ring seal) ..1 set
     - Size 04
       (Flat face-to-face O-ring seal) ..2 sets



2. Install a plug to the block too on the machine side.

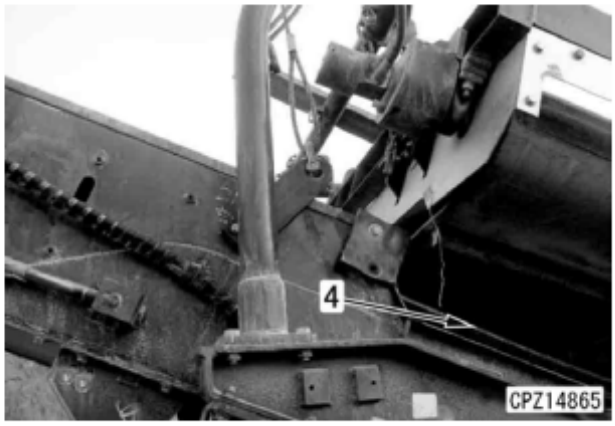


3. Remove either lock bracket (2).
   (Prevention of interference when the conveyor is inserted)
   - ★ Bolt size: M16 × 4 pieces

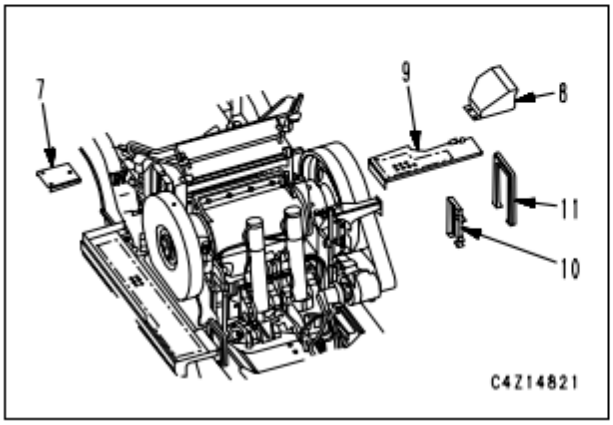


4. Install slings to conveyor sling bracket (3) and lift up the conveyor assembly.
   - ★ Note that sling hook positions depend on the serial No.
     Conveyor assembly:
     Approx. 1,310 kg

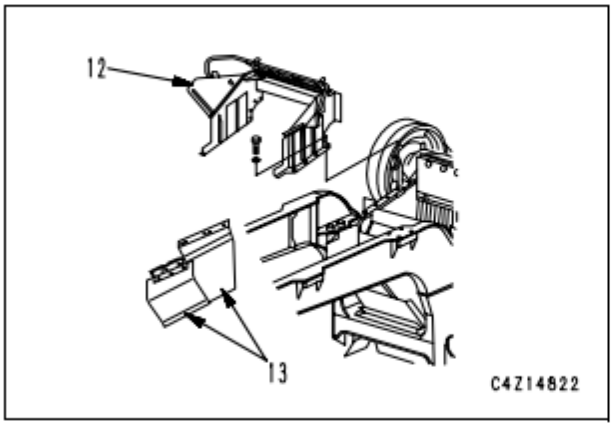
5. Remove magnetic separator chutes (4).
   (2 places on the right and left sides)
   - ★ Bolt size: M12 × 4 pieces
     (2 places on the right and left sides)



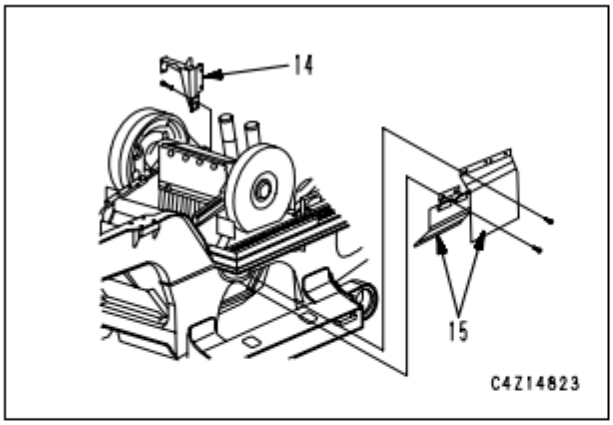
4) Remove small floor (7).
5) Remove crusher motor cover (8).
6) Remove crusher front floor cover (9).
7) Remove floor small stay (10).
8) Remove floor large stay (11).



9) Remove crusher filler guard (12).
10) Remove left rubber plates (13).

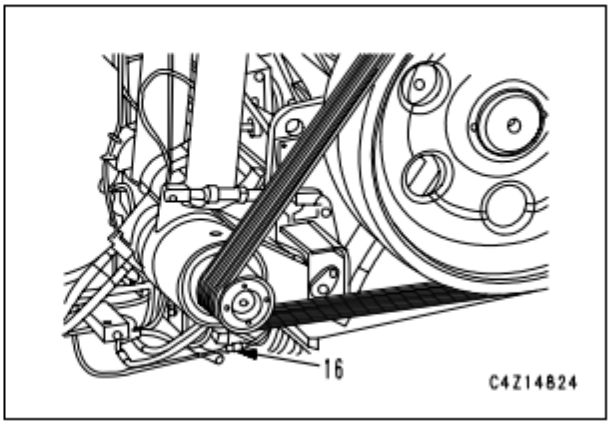


11) Remove cover bracket (14).
12) Remove right rubber plates (15).

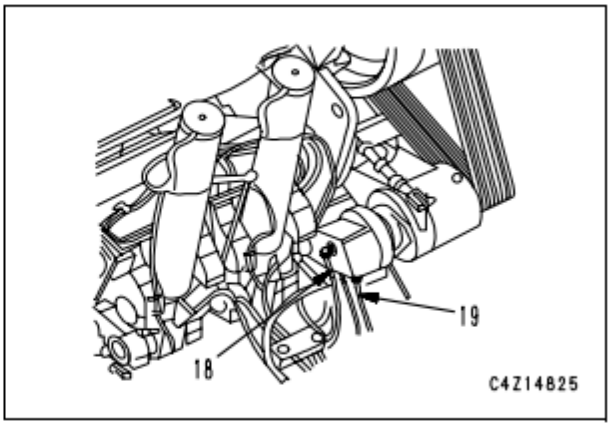


4. Removal of hoses and connectors

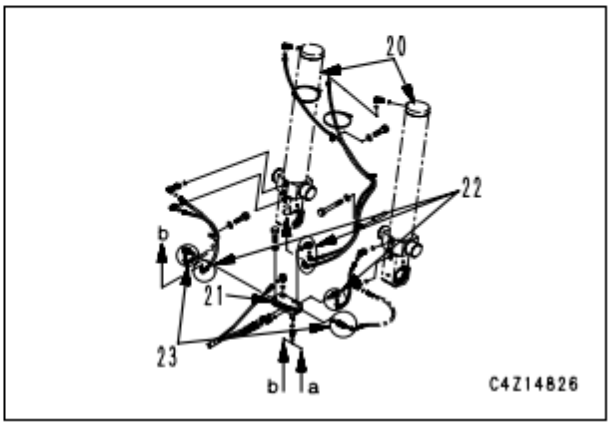
1) Disconnect potentiometer wiring harness connector CN-S13 (16).



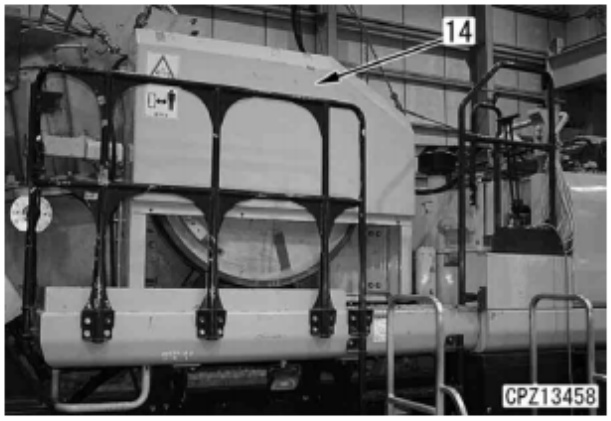
2) Disconnect crusher motor hoses (18) and (19).
★ Plug the disconnected hoses to prevent oil from flowing out.



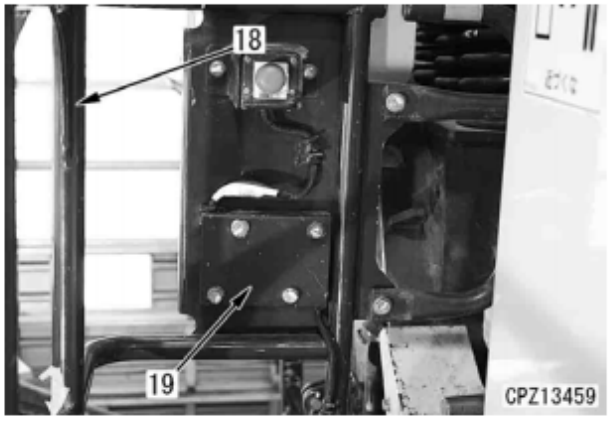
3) Disconnect 3 hoses (22) and 2 hoses (23) between lock cylinders (20) and merge block (21).
★ Plug the disconnected hoses to prevent oil from flowing out.
★ Plug the lock cylinder hoses quickly so that air will not enter the hydraulic circuit on the cylinder side.



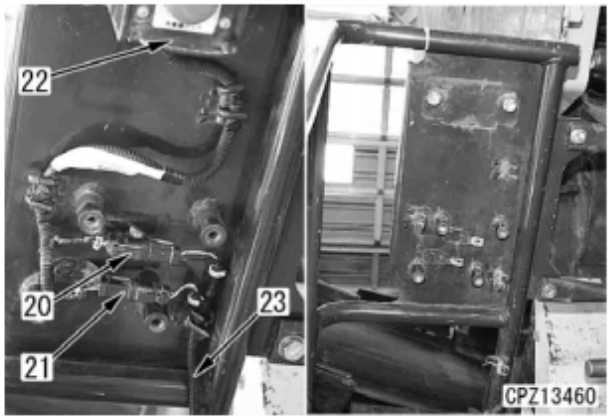
5) Lift off balance weight cover (14).
Balance weight cover: **150 kg**



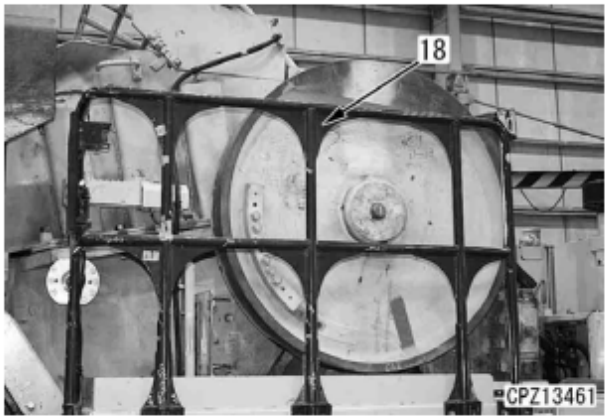
6. Remove the rear right handrail according to the following procedure.
1) Remove cover (19) from the switch area of handrail (18).



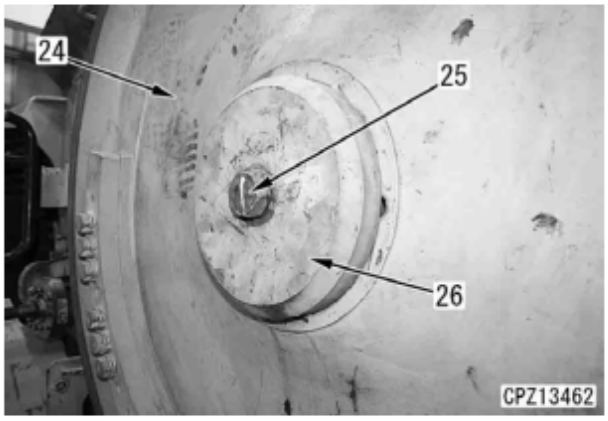
2) Disconnect connectors (20) and (21) and remove switch (22) and wiring (23) from the handrail.



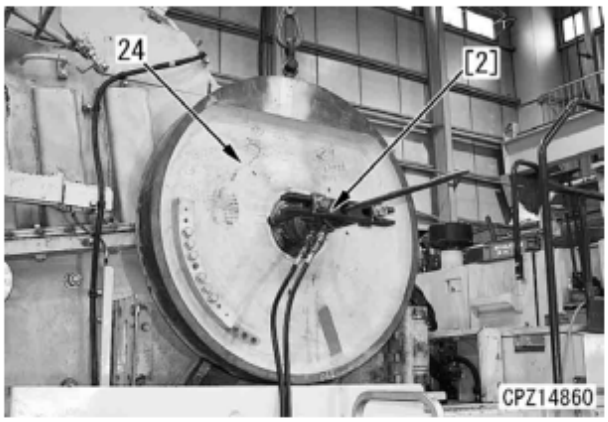
3) Remove the mounting bolts and lift off handrail (18).
Handrail: **50 kg**



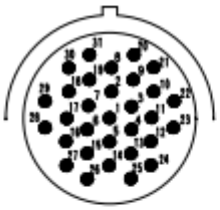
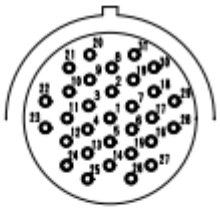
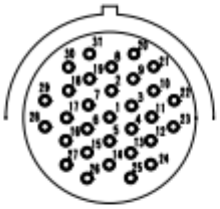
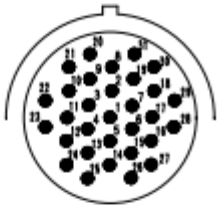
7. Remove bolt (25) and holder (26) from balance weight (24). [*5]



8. Install eyebolt to balance weight (24) and sling it. Using tool [2], pull out the balance weight from the shaft. [*6] [*7]
Balance weight: **720 kg**

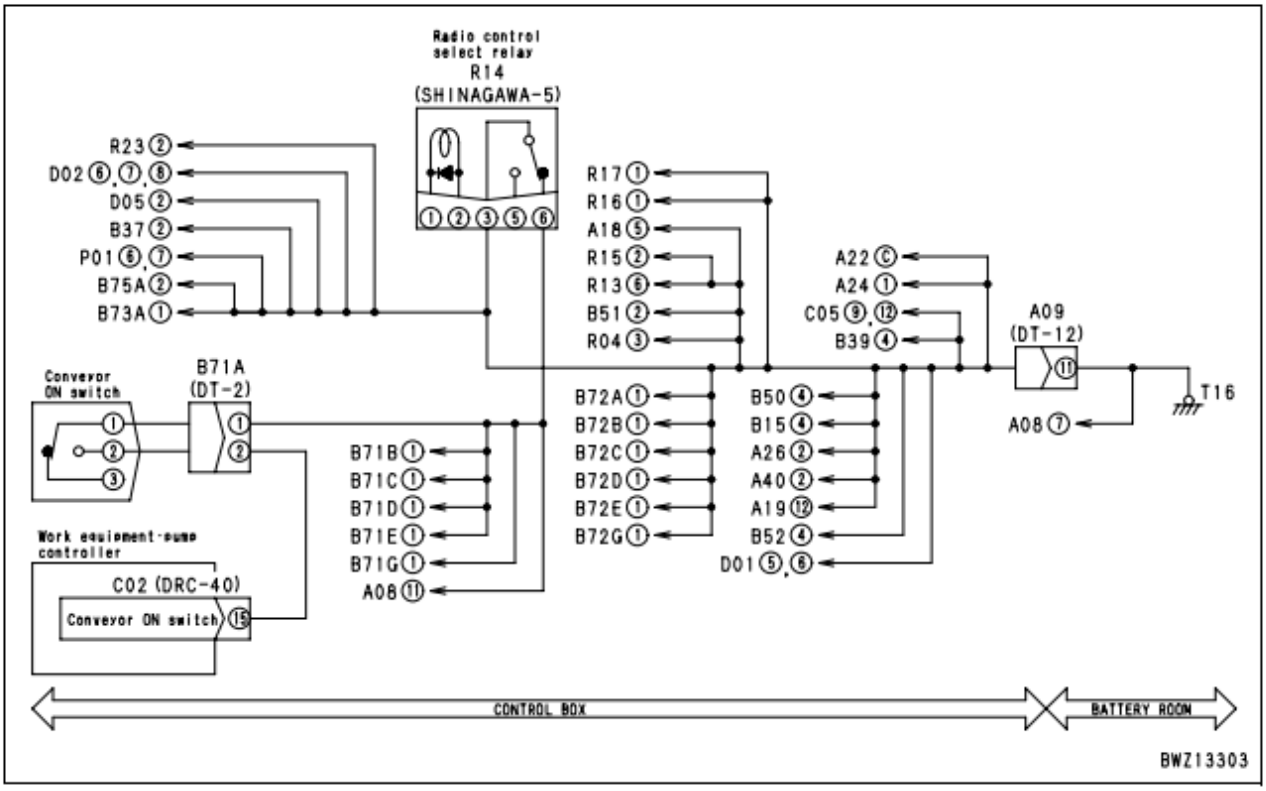


[The pin No. is also marked on the connector (electric wire insertion end)]

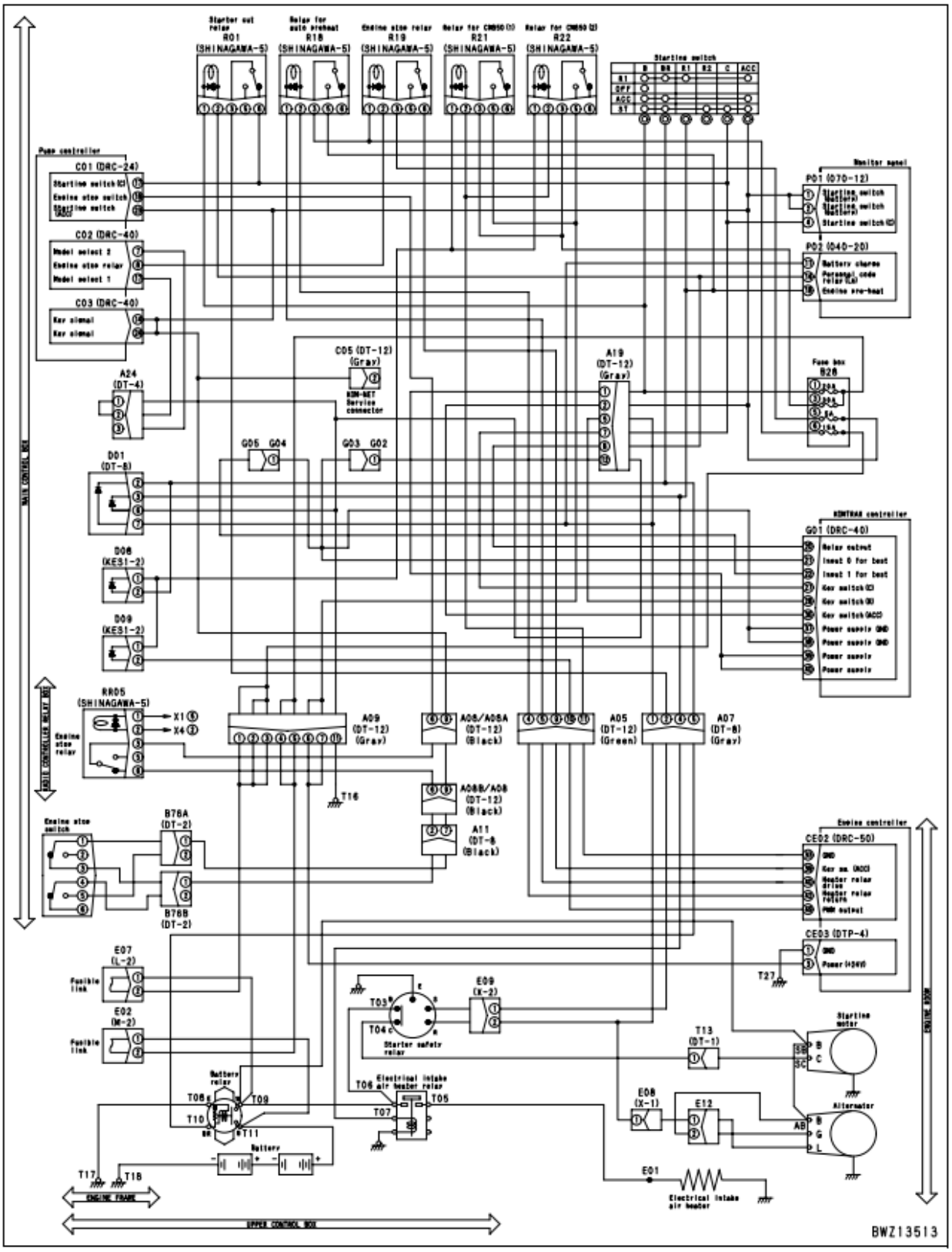
Type (shell size code)	HD30 Series connector		
	Body (plug)	Body (receptacle)	Testing connection use special tool Part No.
24-31 (9)	Pin (male terminal)	Socket (female terminal)	799-601-9290 (T-adapter)
	 BWP05033	 BWP05034	
	Part No. :08191-91203, 08191-91204, 08191-91205, 08191-91206	Part No. :08191-94103, 08191-94104, 08191-94105, 08191-94106	
	Socket (female terminal)	Pin (male termial)	799-601-9290 (T-adapter)
	 BWP05035	 BWP05036	
	Part No. :08191-92203, 08191-92204, 08191-92205, 08191-92206	Part No. :08191-93103, 08191-93104, 08191-93105, 08191-93106	

B4D18409

Related electrical circuit diagram



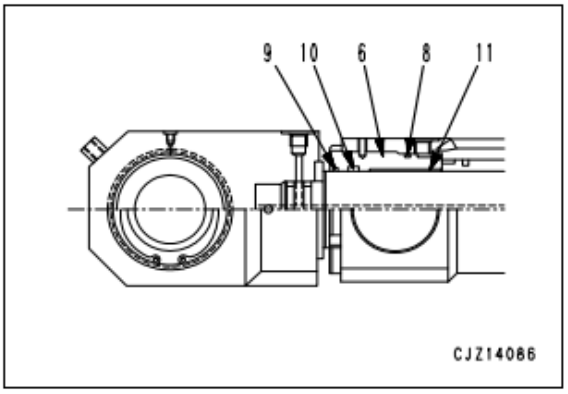
Electrical circuit diagram related to engine preheating, starting, stopping and charging



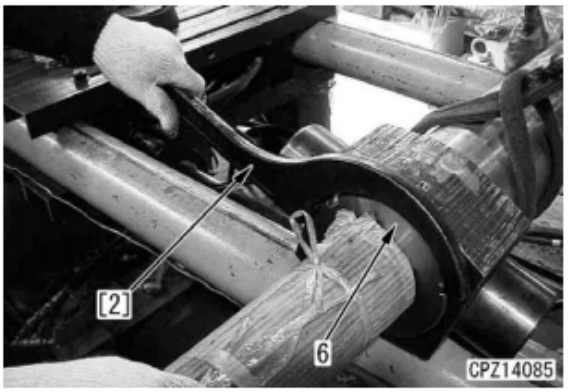
Assembly

★ Replace the dust seal, seal, ring, O-ring and backup ring.
★ Take care not to damage the seal, ring, O-ring and backup ring when installing them.

1. Install bushing (11), ring and seal (10), dust seal (9) and ring and O-ring (8) to head cover (6).
   ★ Take care not to mistake the positional relationship between the ring and O-ring and between the ring and seal and the direction of the lip.
   ★ Remove rust and flaw from the fitting faces, if there is any.

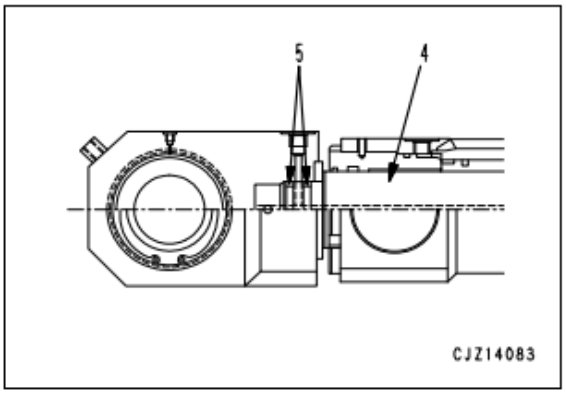


2. Install head cover (6).
   ★ Install hook spanner [2] to the head cover and tighten the head cover.
   Fitted parts: **Oil, grease, etc. which has been applied (Thinly apply)**
   Threaded part: **Anti-seize compound (Molybdenum disulfide spray etc.)**
   ★ Tighten slowly the cover so that it will not be seized and no foreign matter will be caught in it.
   ★ Using a hammer, retighten the head cover.
   Head cover: **980 Nm {100 kgm}**



3. Tighten set screw (7) of head cover (6).
   • Screw size: M10 x 1.5 – 20L
   ★ Do not reuse the set screw.
   ★ If the set screw hole has deviated because of retightening, make a new set screw hole.
   Set screw: **59 Nm {6 kgm}**

4. Install backup ring and O-rings (5) to piston rod (4).
   ★ Take care not to mistake the positional relationship between the backup ring and O-ring.
   ★ Remove rust and flaw from the fitting faces, if there is any.



Bleeding air from crusher lock cylinder

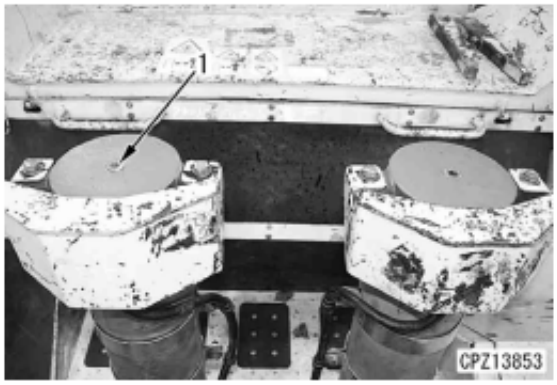
- If air is in the unlock circuit of the crusher lock cylinder, abnormal sounds may come out from the cylinder when the crusher clearance is adjusted.
- In this case, bleed air according to the following procedure.

★ Bleed air in a place of good environment where there is not dust etc.
★ Bleed air with the cylinder bottom side up.

Air bleeding procedure

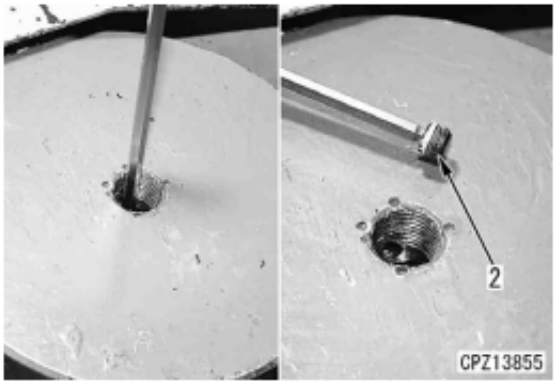
1. Retract the lock cylinder to the stroke end (Position of stroke 0).

2. Using a hexagonal wrench of 10 mm size, remove plug (1).
   - Part No. of plug: 07043-70415 (R 1/2)



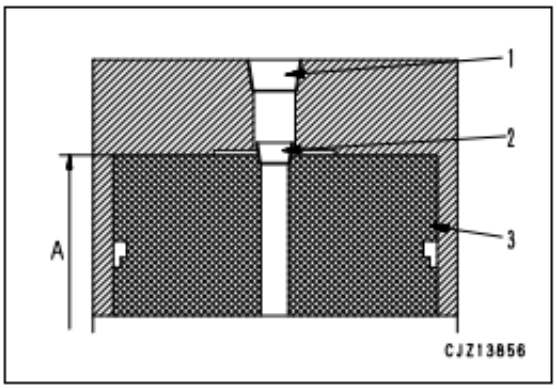
★ The cover around the plug is locked by punching. Accordingly, do not loosen the plug at a time but loosen it gradually by repeating "loosening" and "tightening" operations.
★ Take care that dirt will not enter the port of the removed plug.

3. Using a hexagonal wrench of 5 mm size, remove plug (2).
   - Part No. of plug: 07043-70108 (R 1/8)

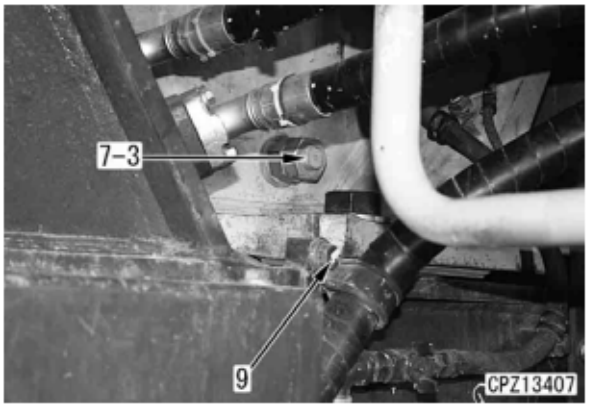


4. Leave the machine with plugs (1) and (2) removed for 15 to 30 minutes to release air from the unlock port.

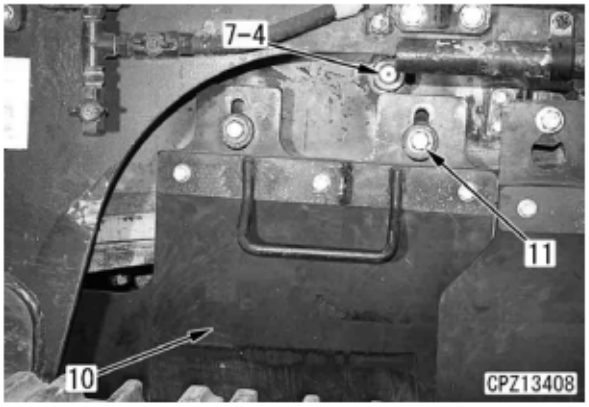
5. Check oil level (A) in the unlock port. If it is lower than the top of piston (3), add oil through the plug hole.



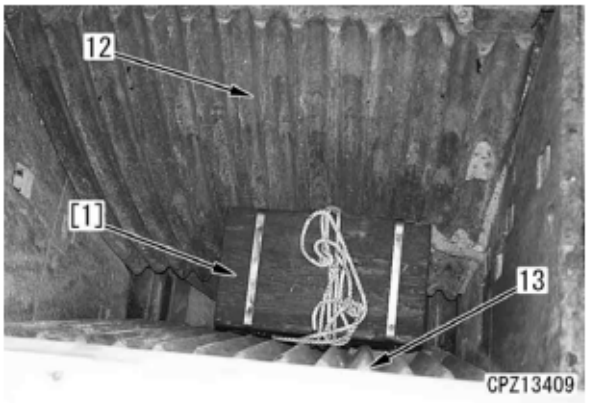
2) Remove clamp (9) and remove 3rd nut (7-3) from the top of the cheek plate. [*2]



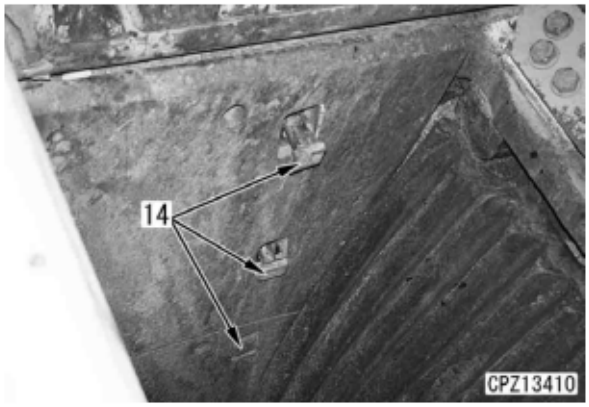
3) Remove 1 mounting bolt (11) of second chute (10) and remove lower nut (7-4) on the lower side of the cheek plate. [*3]
★ Remove the second chute bolt to make a space for removing the cheek plate nut.



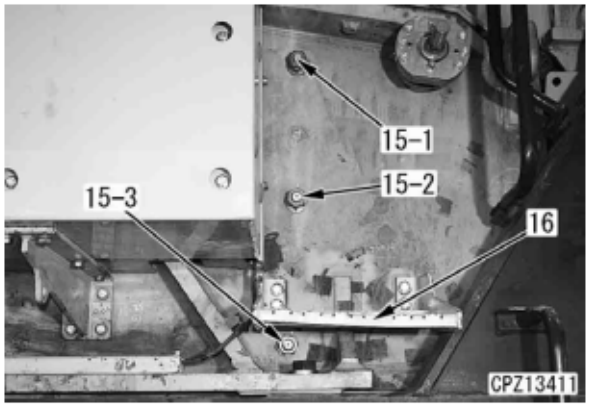
4) Put block [1] between fixed tooth (12) and swing tooth (13) to make a foothold for the ease of work.



5) Remove 3 mounting bolts (14) of the right cheek plate.
★ Remove the lowest bolt from underside.



7. Remove the mounting bolts of the cheek plate on the left side of the machine according to the following procedure.
1) Remove nuts (15-1) and (15-2) on the upper side of the cheek plate. [*4]
2) Remove step (16) and remove 3rd nut (15-3) from the top of the cheek plate. [*5]



Installation

- Carry out installation in the reverse order to removal.

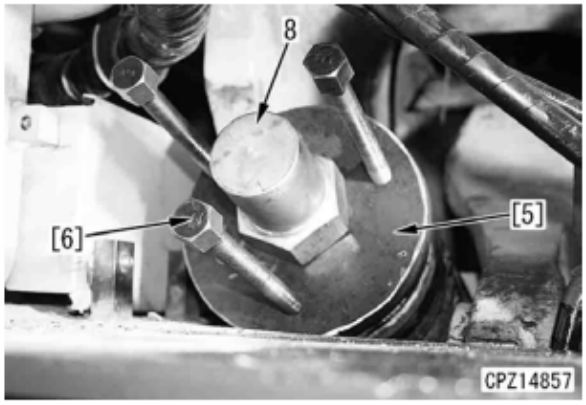
[*1]

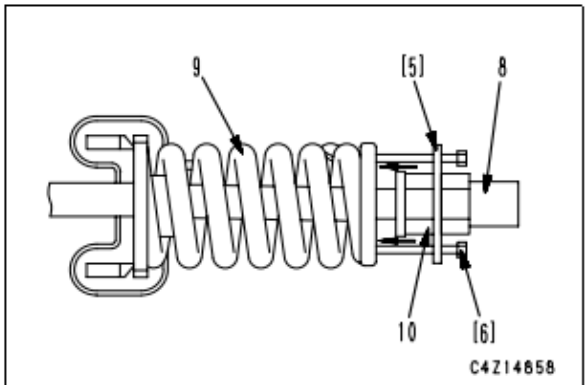
Cap nut: **785 – 980 Nm {80 – 100 kgm}**

[*2]

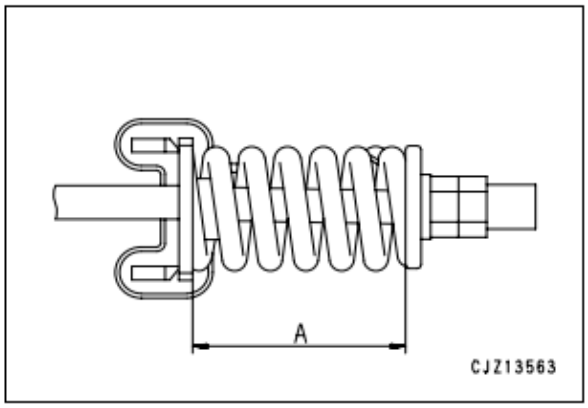
- Procedure for installing tension spring
  1) Using tool [4], tighten nut (10).

  2) If the tension of the tension spring increases, insert tool [5] between nut (10) and cap nut (8), tighten bolt [6] to compress tension spring (9), and tighten nut (10).



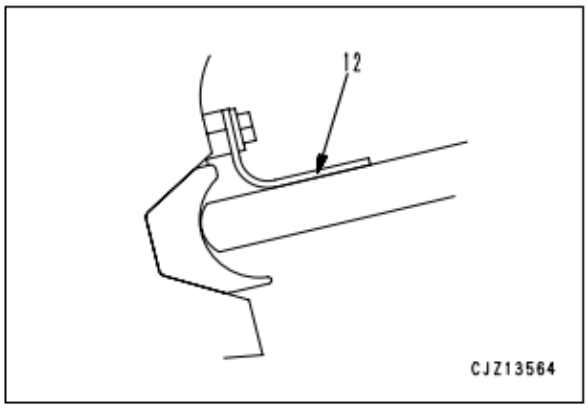


  3) Adjust set length (A) of the tension spring to 255 – 260 mm when the crusher lock cylinder is retracted fully (when the crusher tooth tip clearance is at the maximum).



[*3]

- Install the toggle plate so that the contacting surfaces on the swing jaw side and fixing link side will be aligned.
- Take care that rubber cover (12) on the toggle plate will not be rolled in.



[*4]

Bracket mounting bolt:
455 – 565 Nm {46.5 – 58.0 kgm}

Removal and installation of swing jaw assembly

Removal

⚠ Disconnect the cable from the negative (–) terminal of the battery.

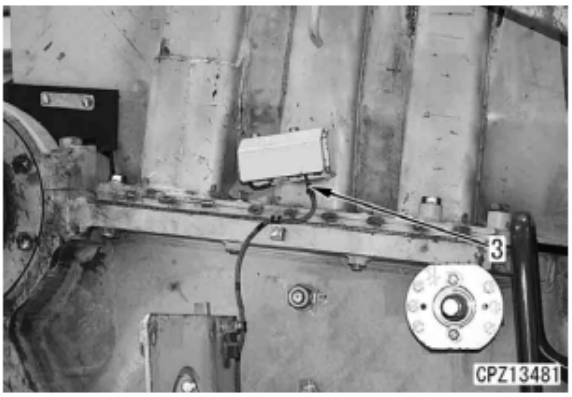
1. Remove the V-sheave and balance weight. For details, see “Removal and installation of V-sheave and balance weight”.

2. Remove the toggle plate. For details, see “Removal and installation of toggle plate”.

3. Disconnect wiring harness connector (1) on the right side of the crusher guard.
   ★ Remove the upper cover and disconnect the connector.

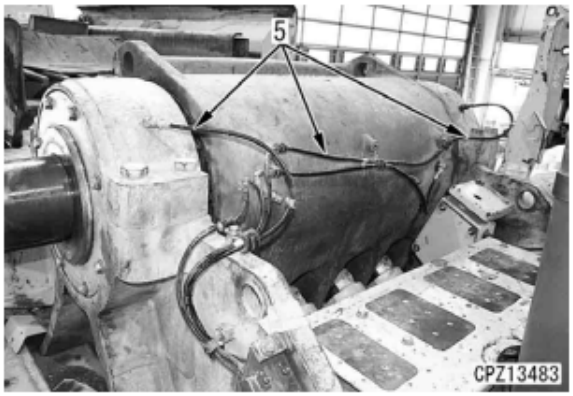
4. Remove the clamp and disconnect water sprinkler hose (2).

5. Disconnect wiring harness connector (3) on the left side of the crusher guard.
   ★ Remove the upper cover and disconnect the connector.

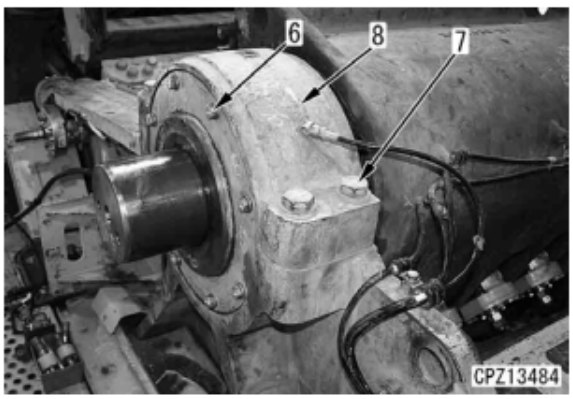


6. Remove the mounting bolts and lift off crusher guard assembly (4). [*1]
   Crusher guard assembly: **800 kg**

7. Remove grease pipings (5) from the cap and swing jaw.



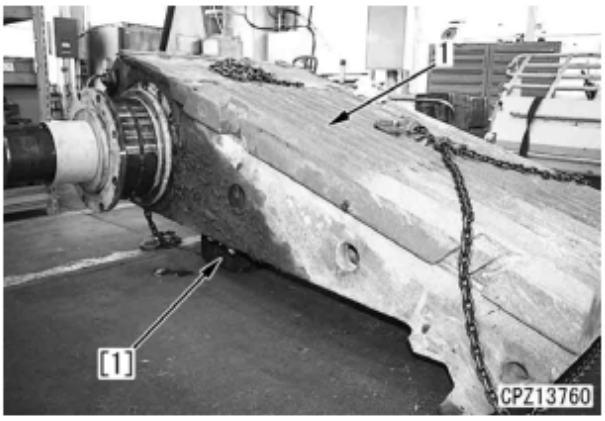
8. Remove 6 bolts (6) and 4 bolts (7) from each of the right and left caps (8).



Removal and installation of crusher main bearing

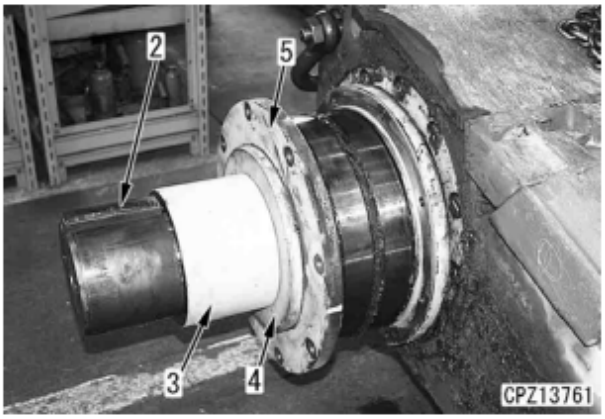
Removal

1. Referring to “Removal and installation of swing jaw assembly”, remove swing jaw assembly (1) and place it on block [1].

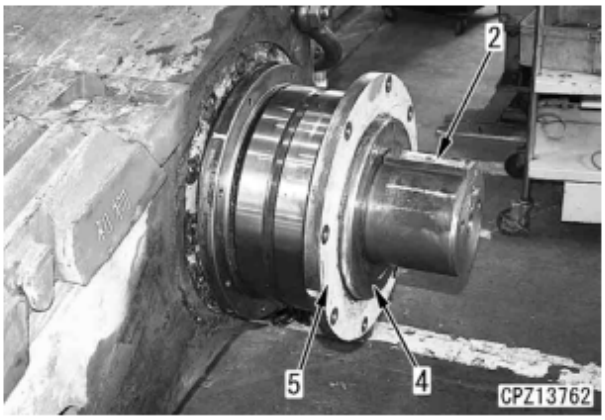


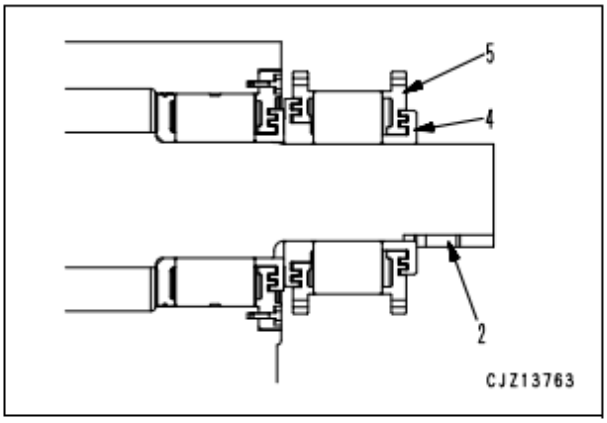
★ The bearings on the V-sheave side and balance weight side are removed similarly and the removal procedure for the bearing on the balance weight side is described below. The different sections are explained, however.

2. Remove key (2) from the shaft on the V-sheave side and remove spacers (3) and (4) and retainer (5).
   ★ Since retainer (5) on the V-sheave side is different from that on the balance weight side, make a mark on it.

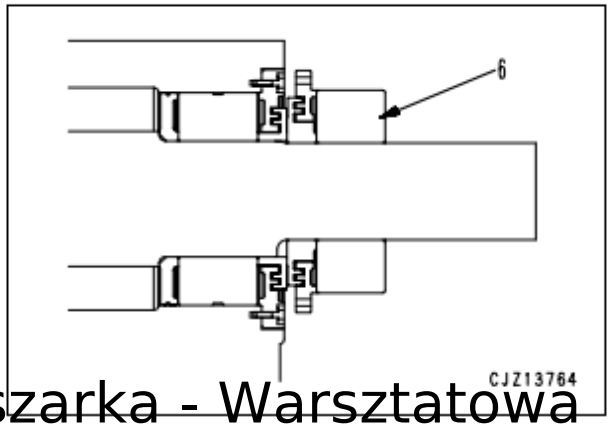


3. Remove key (2) from the shaft on the balance weight side and remove spacer (4) and retainer (5).
   ★ Since retainer (5) on the balance weight side is different from that on the V-sheave side, make a mark on it.





4. Remove bearing (6) on the frame side by gouging it according to the following procedure.
   ★ Mask the shaft so that it will not be damaged by the melted and cut metal pieces.



dokumentacje serwisowe.

Szukasz instrukcji napraw do maszyny której nie ma na liście?
Napisz lub zadzwoń do nas.

Kontakt: tel. 696 915 311