SERVICE MANUAL

BACKHOE LOADER

3CX, 4CX, 5CX, 5CX Wastemaster Eco

EN - 9813/6900 - ISSUE 6 - 09/2018

This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

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You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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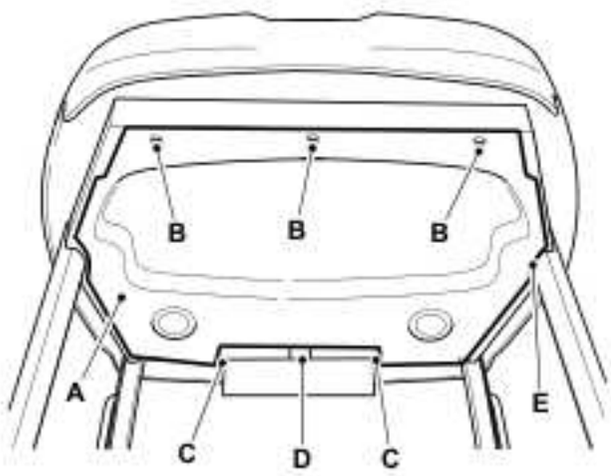
03 - Roof Trim

Remove and Install

Remove

1. Make the machine safe.
   Refer to: PIL 01-03-27.
2. Remove the B-Post trim from the machine.
   Refer to: PIL 09-30-31.
3. Make sure that the rear window is fully closed, before you remove the roof lining.
4. Support the roof lining.
5. Remove the fir tree trim panel clips from the rear side of the roof lining. Refer to Figure 213.
6. Remove the fir tree trim panel clips from the front side of the roof lining. Refer to Figure 213.
7. Remove the sun blind. Refer to Figure 213.
8. Carefully lower the roof lining.
   8.1. Disconnect the roof lining electrical harness connector from the top of the B-Post trim.
9. Lift the roof lining to remove from the machine.
10. Move the radio speakers, interior light and their harnesses to the new roof lining, if necessary.

Figure 213.



A Roof lining
B Fir tree trim panel clips 1
C Fir tree trim panel clips 2
D Sun blind
E B-Post trim

Install

1. The installation procedure is the opposite of the removal procedure.

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Technical Data

Table 104. Camshaft Data

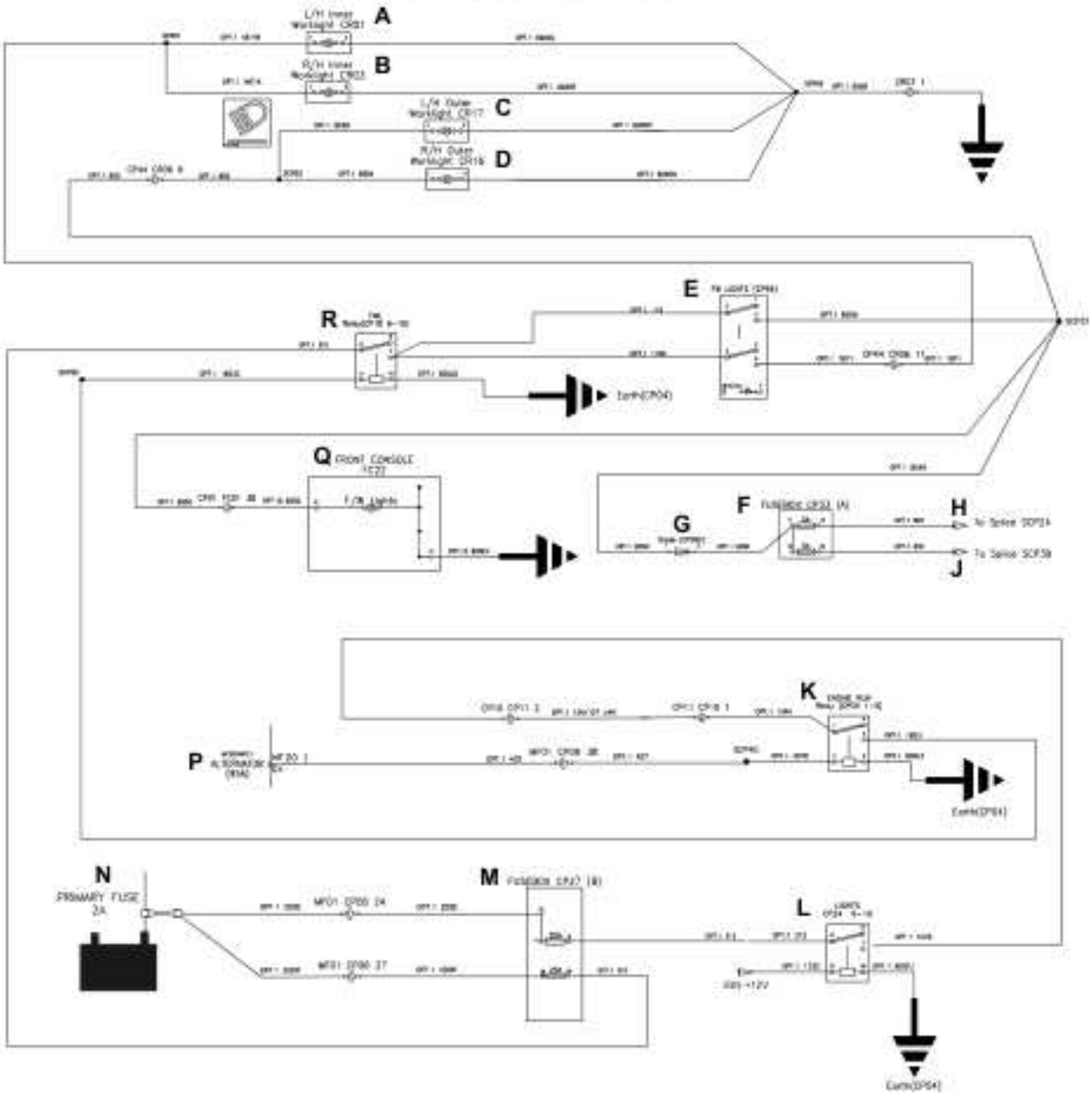
Camshaft journal diameter	
- 4 off	59.99–59.97mm
- 1 off	60.25–60.22mm
Camshaft lobe wear limits	
Inlet lift	7.161–7.271mm
Exhaust lift	7.2–7.31mm
Camshaft bore diameter	
- 4 off	60.07–60.04mm
- 1 off	60.32–60.29mm
Camshaft gear(1)	104 teeth

(1) The camshaft gear is not available as a separate item. The gear must be heated on to the camshaft in the correct timed position. Specialist fixtures are used during the production process to achieve the correct timing.

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Diagram

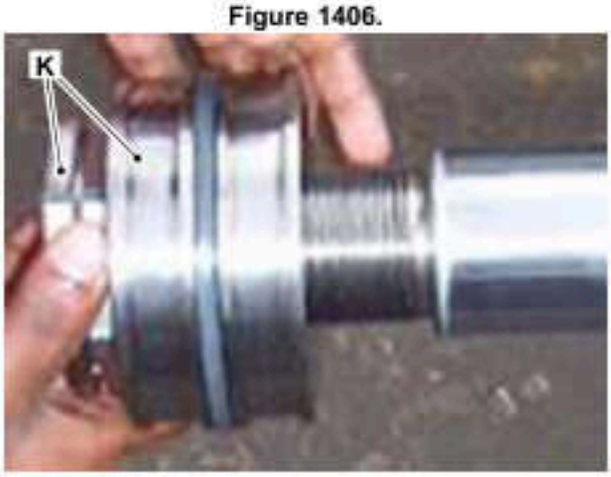
Figure 2089. Electrical schematic



A Front work light - left side inner
B Front work light - right side inner
C Front work light - left side outer
D Front work light - right side outer
E Front work lights switch
F Fuse box A
G Diode
H To the side lights (left)
J To the side lights (right)
K Engine run relay
L Main lights relay
M Fuse box B
N Primary fuse
P Alternator
Q Front work lights warning light (instrument panel)
R Front work lights relay

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Figure 1406.

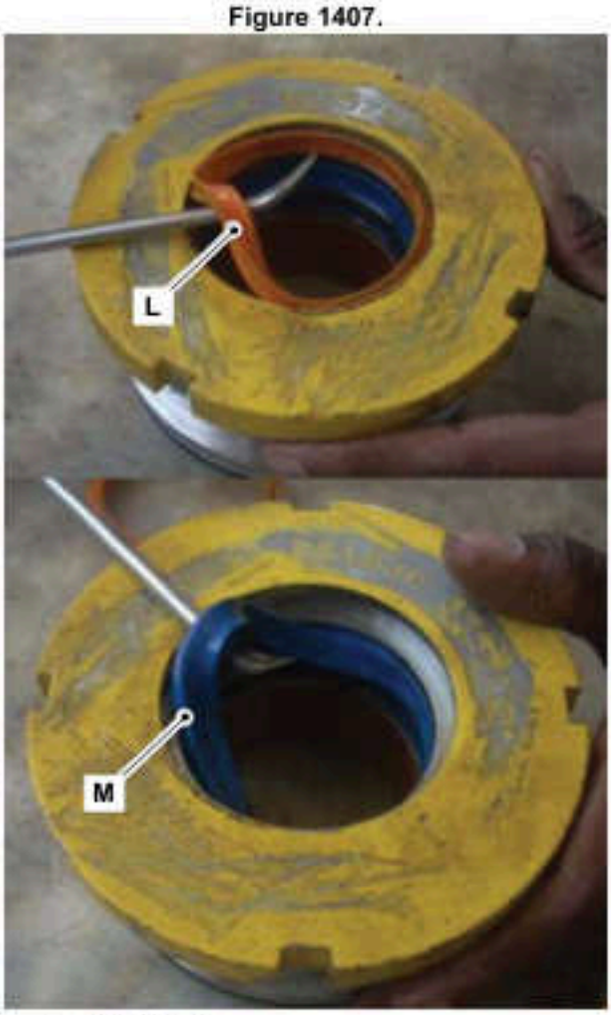


K Piston

14. Remove the head end cover. Refer to Figure 1407.

15. Use a bent screwdriver to remove the wiper seal and the secondary rod seal. Refer to Figure 1407.

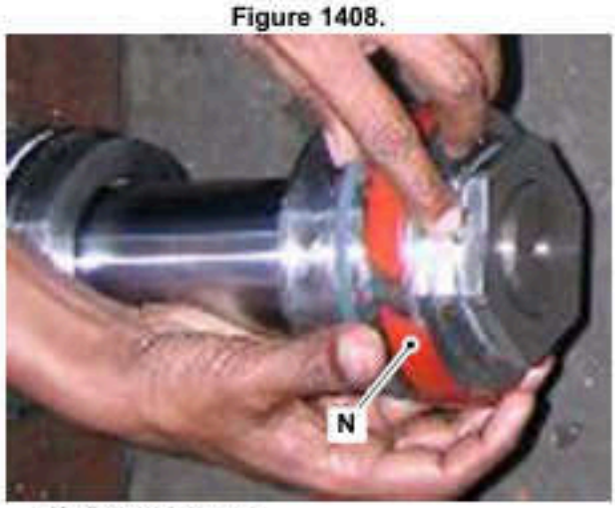
Figure 1407.



L Wiper seal
M Secondary rod seal

16. Remove the piston bearing. Refer to Figure 1408.

Figure 1408.



N Piston bearing

17. Use a bent screwdriver to remove the piston seal. Refer to Figure 1409.

Figure 1409.



P Piston seal

18. Remove the piston O-ring and the piston backup ring. Refer to Figure 1410.

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(For: Advanced Easy Controls, Easy Controls, EasyControl-Variable, Manual Control-Variable, Manual Controls)

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