ORIGINAL INSTRUCTIONS

OPERATOR'S MANUAL

W50C
W60C
W70C
W80C

Compact Wheel Loader

Part number 47961312
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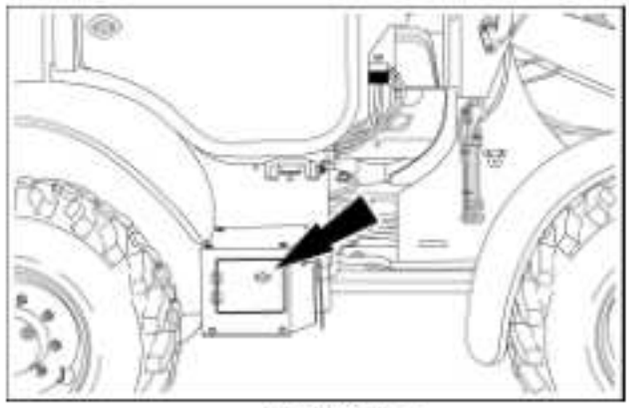
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Exterior controls

Battery main switch

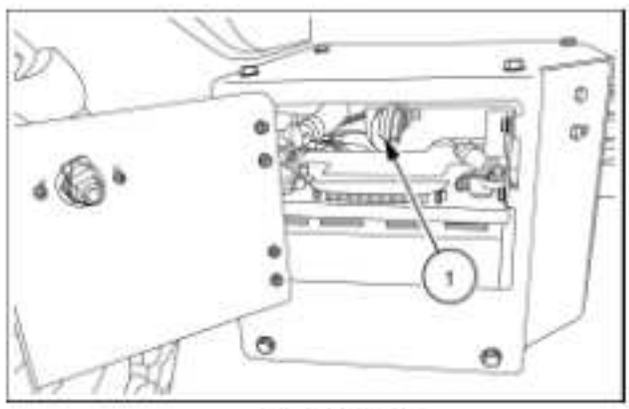
The battery main switch is located on the right-hand side of the machine, below the operator's compartment. Open the outer panel to access the battery main switch. The battery main switch has two positions: ON and OFF.



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Battery main switch ON

The battery main switch **(1)** in the ON position energizes the entire electrical system. When the battery main switch **(1)** is ON and the key switch is in the OFF position, the position light, the horn, the four-way flashers and the rotary beacon switches, the dome lamp, the cigar lighter and the radio are powered and functional.

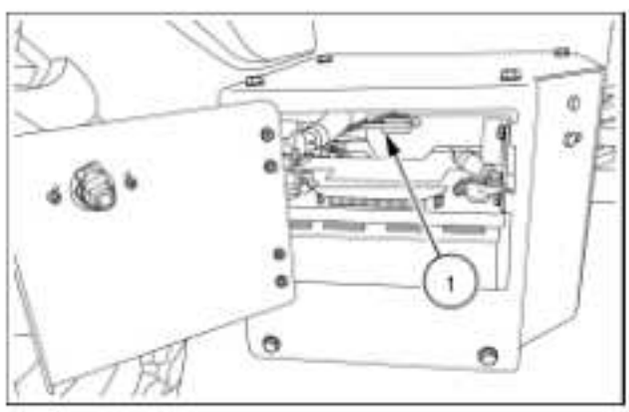


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Battery main switch OFF

In the OFF position, all machine power is interrupted.

NOTICE: *DO NOT use the battery main switch* ***(1)*** *to stop the engine.*



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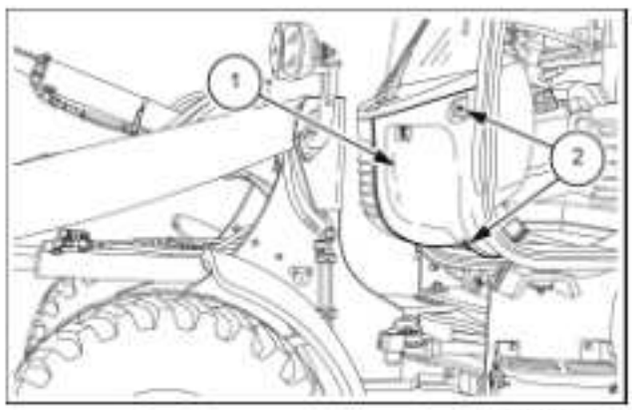
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Cab air filter - Replace

Clean the cab air filter when the hourmeter registers 1000 hours. Replace the filter every 1000 hours thereafter or more frequently when operating in extremely dusty conditions.

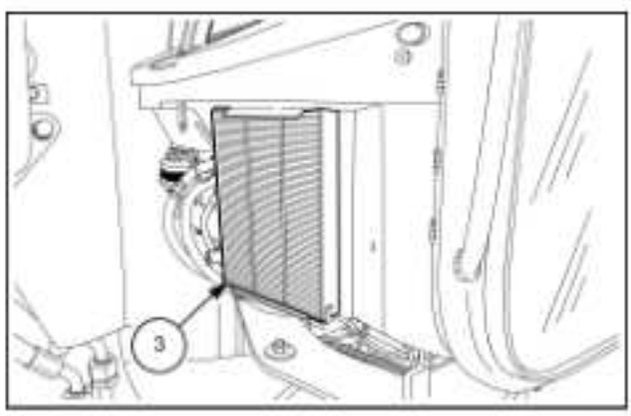
Prior operation:
Keep all non-authorized personnel clear of the area. Park the machine on level ground in neutral, with the parking brake applied and the attachment lowered to the ground. Install the safety pin into the lock position, so that the articulation joint is locked.

1. The cab air filter **(3)** is located behind the panel **(1)** fastened to the front side of the external frame of the cab. Remove the retaining screws **(2)** and remove the panel **(1)**.



1

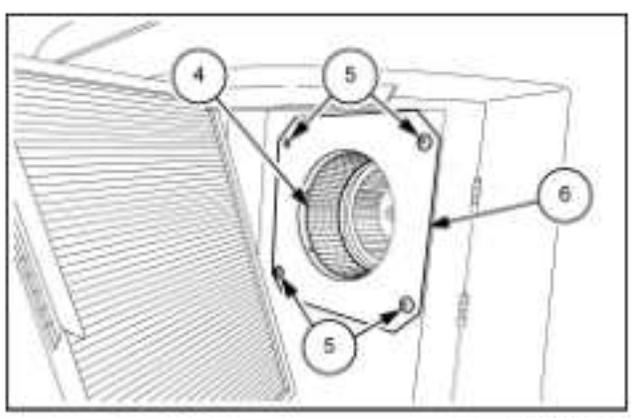
2. Pull the cab air filter **(3)** forward and check for debris or tears. Wipe the filter housing with a damp cloth. Clean dust from the filter, using compressed air if necessary.



2

Recirculation air filter

1. The recirculation air filter **(4)** is located behind the cab air filter **(3)**. Remove the screws **(5)**, the filter cover **(6)** and the filter **(4)**.
2. Replace the filter **(4)** with a new one.
3. Install the new filter and use the screws **(5)** to secure the cover plate **(6)**.



3

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W80C Z-bar Specifications - 1.3 m³ (1.7 yd³) LM Bucket on HP Quick Coupler (rear standard counterweight)

	Naked bucket	Bucket w/cutting edge	Bucket w/bolt on edge
ISO Bucket Specifications			
Struck	**1.1 m³ (1.44 yd³)**	**1.1 m³ (1.44 yd³)**	**1.1 m³ (1.44 yd³)**
Heaped	**1.3 m³ (1.7 yd³)**	**1.3 m³ (1.7 yd³)**	**1.3 m³ (1.7 yd³)**
Bucket width (maximum outer)	**2100 mm (82.7 in)**	**2100 mm (82.7 in)**	**2100 mm (82.7 in)**
Dimensional Outline Specifications			
A (top of cab height)	**2680 mm (105.5 in)**	**2680 mm (105.5 in)**	**2680 mm (105.5 in)**
B (wheelbase)	**2225 mm (87.6 in)**	**2225 mm (87.6 in)**	**2225 mm (87.6 in)**
C (ground clearance to cardan shaft)	**493 mm (19.4 in)**	**493 mm (19.4 in)**	**493 mm (19.4 in)**
D (rear angle of departure)	**32 °**	**32 °**	**32 °**
E (overall width w/o bucket)	**1860 mm (73.2 in)**	**1860 mm (73.2 in)**	**1860 mm (73.2 in)**
F (tread width)	**1500 mm (59.1 in)**	**1500 mm (59.1 in)**	**1500 mm (59.1 in)**
G (overall height spillguard)	**4447 mm (175.1 in)**	**4447 mm (175.1 in)**	**4447 mm (175.1 in)**
H (hinge pin - fully raised)	**3395 mm (133.7 in)**	**3395 mm (133.7 in)**	**3395 mm (133.7 in)**
J (overall - bucket level on ground)	**5799 mm (228.3 in)**	**5851 mm (230.4 in)**	**5920 mm (233.1 in)**
K (dump - fully raised, **45 °** dump)	**2605 mm (102.6 in)**	**2569 mm (101.1 in)**	**2520 mm (99.2 in)**
L (reach - fully raised, **45 °** dump)	**1352 mm (53.2 in)**	**962 mm (37.9 in)**	**1011 mm (39.8 in)**
M (reach - **2.13 m (7.0 ft)**, **45 °** dump)	**1352 mm (53.2 in)**	**1363 mm (53.7 in)**	**1376 mm (54.2 in)**
N (dig depth)	**84 mm (3.3 in)**	**84 mm (3.3 in)**	**84 mm (3.3 in)**
ISO Load Specifications			
Operating load	**1951 kg (4301 lb)**	**1923 kg (4239 lb)**	**1941 kg (4279 lb)**
Tipping load – machine straight	**4609 kg (10161 lb)**	**4568 kg (10071 lb)**	**4594 kg (10128 lb)**
Tipping load – 40° turn	**3903 kg (8605 lb)**	**3845 kg (8477 lb)**	**3882 kg (8558 lb)**

W80C Z-bar Specifications - 1.0 m³ (1.3 yd³) MP (4x1) Bucket on HP Quick Coupler (rear standard counterweight)

	Naked bucket	Bucket w/cutting edge	Bucket w/bolt on edge
ISO Bucket Specifications			
Struck	**0.8 m³ (1.05 yd³)**	**0.8 m³ (1.05 yd³)**	**0.8 m³ (1.05 yd³)**
Heaped	**1.0 m³ (1.3 yd³)**	**1.0 m³ (1.3 yd³)**	**1.0 m³ (1.3 yd³)**
Bucket width (maximum outer)	**2100 mm (82.7 in)**	**2100 mm (82.7 in)**	**2100 mm (82.7 in)**
Dimensional Outline Specifications			
A (top of cab height)	**2680 mm (105.5 in)**	**2680 mm (105.5 in)**	**2680 mm (105.5 in)**
B (wheelbase)	**2225 mm (87.6 in)**	**2225 mm (87.6 in)**	**2225 mm (87.6 in)**
C (ground clearance to cardan shaft)	**493 mm (19.4 in)**	**493 mm (19.4 in)**	**493 mm (19.4 in)**
D (rear angle of departure)	**32 °**	**32 °**	**32 °**
E (overall width w/o bucket)	**1860 mm (73.2 in)**	**1860 mm (73.2 in)**	**1860 mm (73.2 in)**
F (tread width)	**1500 mm (59.1 in)**	**1500 mm (59.1 in)**	**1500 mm (59.1 in)**
G (overall height spillguard)	**4380 mm (172.4 in)**	**4380 mm (172.4 in)**	**4380 mm (172.4 in)**
H (hinge pin - fully raised)	**3395 mm (133.7 in)**	**3395 mm (133.7 in)**	**3395 mm (133.7 in)**
J (overall - bucket level on ground)	**5778 mm (227.5 in)**	**5830 mm (229.5 in)**	**5899 mm (232.2 in)**
K (dump - fully raised, **45 °** dump)	**2620 mm (103.1 in)**	**2583 mm (101.7 in)**	**2534 mm (99.8 in)**
L (reach - fully raised, **45 °** dump)	**911 mm (35.9 in)**	**947 mm (37.3 in)**	**997 mm (39.3 in)**
M (reach - **2.13 m (7.0 ft)**, **45 °** dump)	**1347 mm (53.0 in)**	**1358 mm (53.5 in)**	**1372 mm (54.0 in)**
N (dig depth)	**84 mm (3.3 in)**	**84 mm (3.3 in)**	**84 mm (3.3 in)**
ISO Load Specifications			
Operating load	**1858 kg (4096 lb)**	**1765 kg (3891 lb)**	**1783 kg (3931 lb)**
Tipping load – machine straight	**4361 kg (9614 lb)**	**4301 kg (9482 lb)**	**4334 kg (9555 lb)**
Tipping load – 40° turn	**3716 kg (8192 lb)**	**3529 kg (7780 lb)**	**3566 kg (7862 lb)**

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