SV212 and SV216 Vibratory Roller

Operators Manual

6-28740NA

CASE

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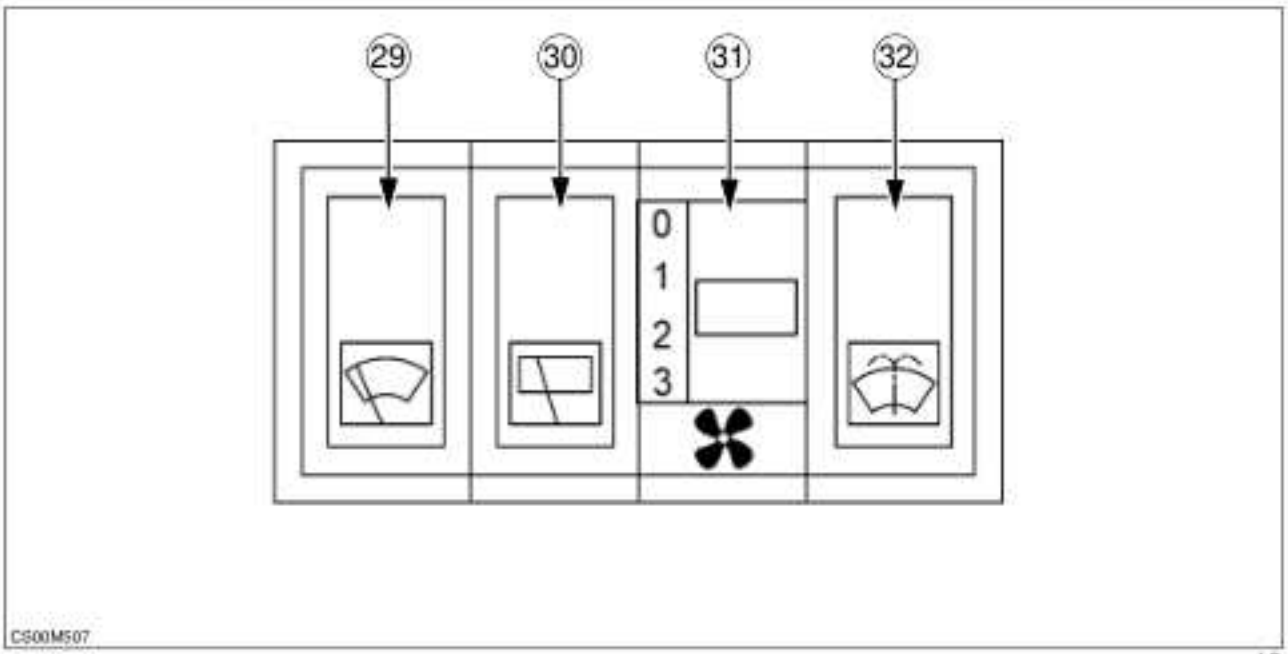
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FRONT UPPER CONTROL FUNCTIONS



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29. FRONT WINDSHIELD WIPER CONTROL
This two-position control is used to operate the front windshield wiper. When the switch is pressed forwards, off. When the switch is pushed backwards, the windshield wiper operates.

IMPORTANT: *Do not operate the windshield wiper if the windshield is dry, since this may damage the windshield wiper.*

30. REAR WINDSHIELD WIPER CONTROL
This two-position control is used to operate the rear windshield wiper. When the switch is pushed forwards, off. When the switch is pushed backwards, the windshield wiper operates.

IMPORTANT: *Do not operate the windshield wiper if the rear windshield is dry, since this may damage the windshield wiper.*

31. CAB BLOWER CONTROL
This is a four-position control used to operate the cab blower.
(0): Off.
(1): Slow.
(2): Medium.
(3): Fast.

⚠ WARNING ⚠

The lower supplies fresh air from the outside. Use the blower to ventilate the cab when the windows are closed.

32. WINDSHIELD WASHER CONTROL
This control is used to operate simultaneously the front and rear windshield washers. Press the switch and hold it completely backwards, release it to stop.

IMPORTANT: *Never operate the windshield washer control when the windshield washer reservoir is empty since this can damage the electric pumps.*

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AIR FILTER

INSPECTION

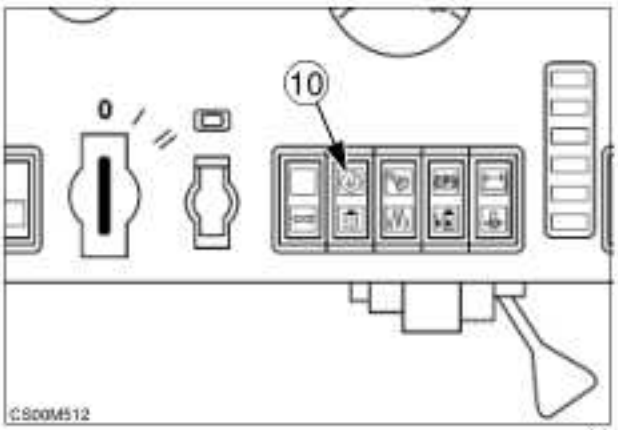
Frequent inspection should be made of the air filter, the intake manifold, the seals, the tightness of the intake manifold screws, the hoses and hose clamps.

AIR FILTER ELEMENTS

Your machine is fitted with a two-stage air filtration system, consisting of a high capacity primary element, designed to ensure maximum engine protection and a secondary element, for extra engine protection. Only the primary element may be cleaned, the secondary element has to be changed.

RESTRICTION WARNING LAMP

If the air filter restriction warning lamp (10) comes on while the engine is running, it is necessary to check the air filter elements.



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SERVICE SPECIFICATIONS

Primary element: clean or replace when the restriction warning lamp (10) comes on or imperatively once a year or after five cleanings.

Secondary element: replace imperatively every two years or after five primary element cleanings and replace if the warning lamp (10) stays on after replacing or cleaning the primary element.

Dust ejector: check every 20 hours or daily.

Restriction warning lamp check: Every 250 hours or every 3 months.

⚠ WARNING ⚠

Be sure to service the air filter at the intervals given. A clean air filter means longer engine life.

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TRAVEL SPEED

	SV212	SV216
1st speed range (work)		
1	0 - 2.5 km/h (0-1.6 mph)	0 - 2.4 km/h (0-1.5 mph)
2	0 - 3.4 km/h (0-2.1 mph)	0 - 3.1 km/h (0-1.9 mph)
3	0 - 6.0 km/h (0-3.7 mph)	0 - 5.7 km/h (0-3.5 mph)
2nd speed range	0 - 14.5 km/h (0-9 mph)	0 - 13.0 km/h (0-8 mph)

VIBRATION

	SV212	SV216
Vibration modes		
1. Nominal amplitude	1.15 mm (0.045 in)	1 mm (0.039 in)
Frequency	35 Hz	35 Hz
Centrifugal force	206 kN (46 311 ft lb)	237 kN (53 280 ft lb)
2. Nominal amplitude	1.85 mm (0.073 in)	2 mm (0.079 in)
Frequency	32 Hz	29 Hz
Centrifugal force	277 kN (62 272 ft lb)	325 kN (73 063 ft lb)

WEIGHTS

With smooth drum	SV212	SV216
Operating weight (CECE)	11 085 kg (24 438 lb)	14 310 kg (31 548 lb)
Operating weight (CECE) - maximum	12 285 kg (27 084 lb)	15 510 kg (34 194 lb)
Drum load (CECE)	7020 kg (15 477 lb)	10 160 kg (22 399 lb)
Ballast	1200 kg (2646 lb)	1200 kg (2646 lb)

With tamping drum	SV212	SV216
Operating weight (CECE)	11 515 kg (25 386 lb)	14 220 kg (31 350 lb)
Operating weight (CECE) - maximum	12 715 kg (28 032 lb)	15 420 kg (33 995 lb)
Drum load (CECE)	7450 kg (16 425 lb)	10 070 kg (22 201 lb)
Ballast	1200 kg (2646 lb)	1200 kg (2646 lb)

With tamping drum and dozer blade	SV212	SV216
Operating weight (CECE)	12 425 kg (27 392 lb)	15 130 kg (33 356 lb)
Operating weight (CECE) - maximum	13 625 kg (30 038 lb)	16 330 kg (36 002 lb)
Drum load (CECE)	8690 kg (19 158 lb)	11 310 kg (24 934 lb)
Ballast	1200 kg (2646 lb)	1200 kg (2646 lb)

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