DV36
DV45
Vibratory Roller

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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Initial 50 hours

Engine oil and filter (Initial) 7-23

Every 50 hours or weekly

Brakes 7-25
Air filter vacuum valve 7-26
Seat switch and emergency stop 7-27

Every 100 hours or monthly

Steering cylinder 7-28

Initial 250 hours

Engine oil and filter (Initial) 7-28

Initial 500 hours

Ventilation filter for the hydraulic oil tank 7-31
Hydraulic oil and filter 7-32

Every 500 hours of operation or every 6 months

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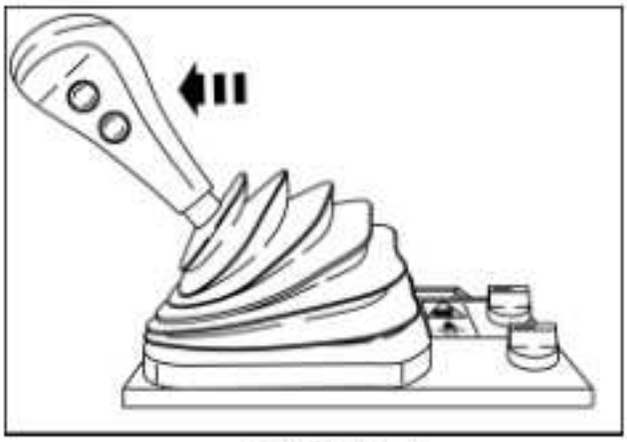
Right-hand side controls

Right-hand side controls

Travel control lever

To drive forward:

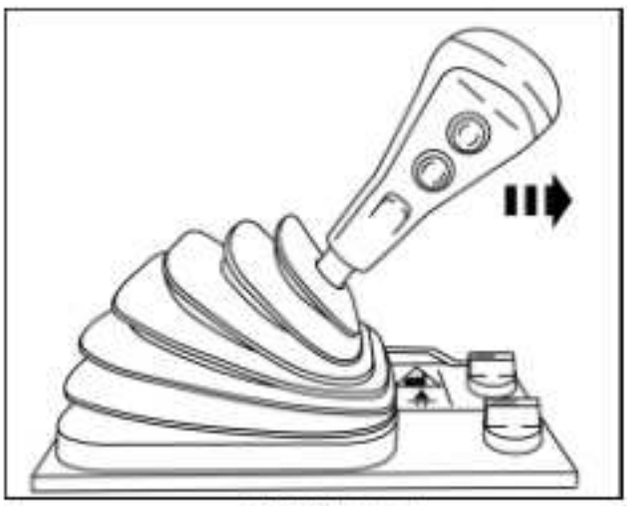
Slowly push the travel control lever forward to move the machine forward.



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To drive in reverse:

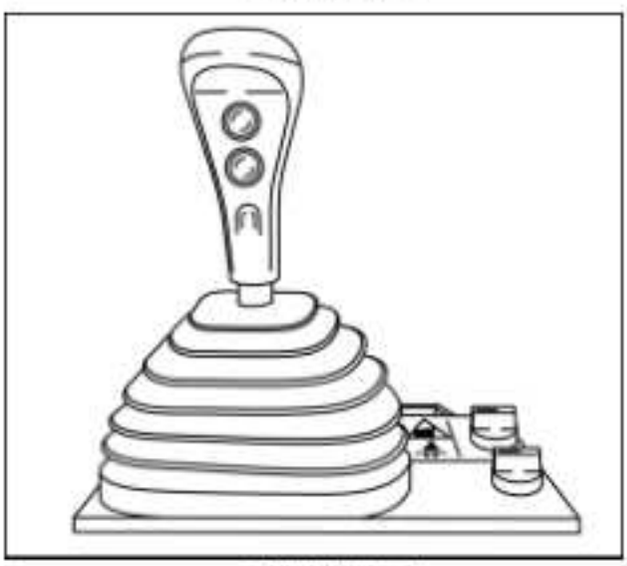
Slowly pull the travel control lever backward to move the machine in reverse.



RAL15COM3068AA 2

To slow the machine down from forward or backward movement:

Slowly move the travel control lever into the NEUTRAL position. The machine will hydrostatically brake automatically.



RAL15COM3069AA 3

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Maintenance planning

Maintenance chart

Maintenance action	Check	Replace	Test	Grease	Filling	Drain fluid	Cleaning	Page no.
Every 10 hours of operation or daily								
Fuel level - Check	x							7-11
Engine oil level - Check	x							7-12
Hydraulic oil level - Check	x							7-13
Engine coolant level - Check	x							7-15
Sprinkler system - Check	x							7-16
Roller drum scrapers - Check	x							7-17
Air intake - Check	x							7-18
Fuel filter water separator - Check	x							7-19
Air filter service indicator	x							7-20
Battery charge - Check	x							7-21
Water level indicator	x							7-22
Initial 50 hours								
Engine oil and filter (Initial)		x						7-23
Every 50 hours or weekly								
Brakes			x					7-25
Air filter vacuum valve	x							7-26
Seat switch and emergency stop			x					7-27
Every 100 hours or monthly								
Steering cylinder				x				7-28
Initial 250 hours								
Engine oil and filter (Initial)		x						7-23
Initial 500 hours								
Ventilation filter for the hydraulic oil tank		x						7-31
Hydraulic oil and filter		x						7-32
Every 500 hours of operation or every 6 months								
Fuel filter		x						7-36
Clean the fuel filter water separator					x			7-38
Engine air filter - Replace		x						7-39
Engine oil and filter		x						7-41
Every 1000 hours or annually								
Ventilation filter for the hydraulic oil tank		x						7-31
Hydraulic oil and filter		x						7-32
Fuel tank sediment						x		7-48
Articulated joint pivot	x							7-49
Pendulum joint	x							7-50
As required								
Fuel tank						x		7-51
Hydraulic oil and filter		x						7-32
Hydraulic oil cooler					x			7-56
Radiator					x			7-57
Cleaning the machine					x			7-58
Battery		x						7-59
Articulated joint pivot	x							7-49
Pendulum joint	x							7-50
Front work lights and parking lights (optional)		x						7-64
Turn signal and flasher bulb (Optional)		x						7-65

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9 - SPECIFICATIONS

General specifications

DV36

DV36 Specifications	
Service weight of CECE	**3725 kg (8212 lb)**
Maximum service weight	**4300 kg (9480 lb)**
Static linear load	**457.45 N/mm (80.10 lbf/in)**
Inside turning radius	**2581 mm (101.61 in)**
Amplitude	**0.360 mm (0.014 in) / 0.550 mm (0.022 in)**
Maximum compaction force per roller drum	**50 kN**
Gradient with and/or without vibration.	**30 % / 40 %**
Engine	YANMAR $TNV88 — EPA Tier 4 interim
Performance — ISO 3046	**30.0 kW (40.8 Hp)**
Operating speed	**2400 RPM**
Travel speed	**0.0 - 10.0 km/h (0.0 - 6.2 mph)**
Steering angle / pivoting	**+/- 32 ° / +/- 8 °**
Vibration frequency **2100 RPM / 2400 RPM**	**45 Hz / 57 Hz**

DV45

DV45 Specifications	
Service weight of CECE	**4650 kg (10251 lb)**
Maximum service weight	**5100 kg (11244 lb)**
Static linear load	**537.4 N/mm (94.1 lbf/in)**
Inside turning radius	**2621 mm (103.19 in)**
Amplitude	**0.360 mm (0.014 in) / 0.550 mm (0.022 in)**
Maximum compaction force per roller drum	**55 kN**
Gradient with and/or without vibration.	**30 % / 40 %**
Engine	YANMAR 4TNV88— EPA Tier 4 interim
Performance — ISO 3046	**30.0 kW (40.8 Hp)**
Operating speed	**2400 RPM**
Travel speed	**0.0 - 10.0 km/h (0.0 - 6.2 mph)**
Steering angle / pivoting	**+/- 32 ° / +/- 8 °**
Vibration frequency **2100 RPM / 2400 RPM**	**45 Hz / 57 Hz**

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DANGER
Explosion hazard
Read the procedure in the Operator's Manual before jump start or service the machine to avoid injury. Failure to comply will result in death or serious injury.

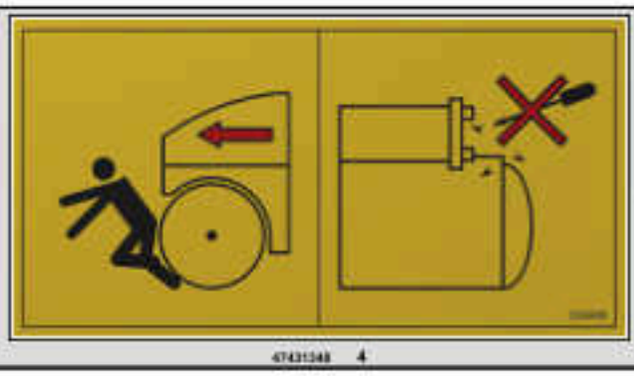
Quantity: 1
47437573



(1) Location:
On the front frame on the right-hand side under the battery.

WARNING
Run over hazard
Starting in gear could cause death. Start the engine from the operator seat only with the transmission control(s) in neutral. Failure to comply could result in death or serious injury.

Quantity: 1
47431348



(2) Location:
On the side of the frame in the area of the starter.

WARNING
Welding hazard
Read Operator's Manual before welding on the machine. Disconnect the alternator before welding on the machine. Failure to comply could result in death or serious injury.

Quantity: 1
47437574



(3) Location:
On the steering column

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