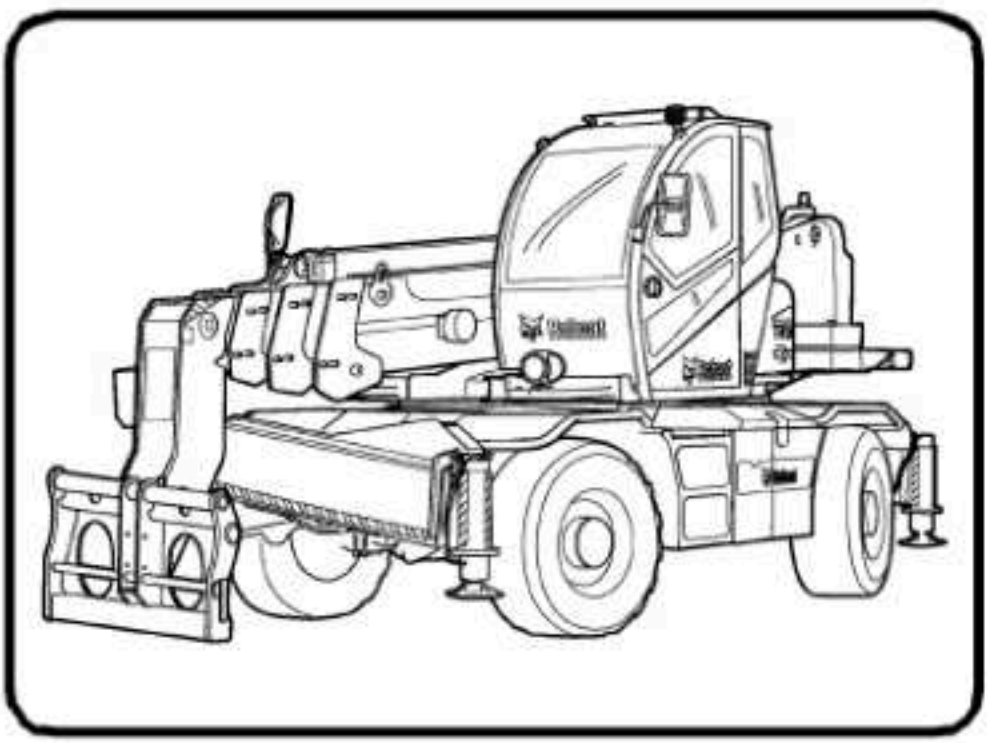
EN

Bobcat®

Operation & Maintenance Manual
TR35160, TR45190, TR50210, TR40250
Telescopic Handler

TR35160 - S/N LLM1590000 & Above
TR45190 - S/N HVL1540000 & Above
TR50210 - S/N HVL1550000 & Above
TR40250 - S/N HVL1560000 & Above



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Original Instructions

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REFERENCE INFORMATION

Write the correct information for YOUR Bobcat telescopic handler in the spaces below. Always use these numbers when referring to your Bobcat telescopic handler.

Telescopic handler Serial Number _____

Engine Serial Number _____

NOTES:

YOUR BOBCAT DEALER:

ADDRESS:

PHONE:

CE

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128
UNITED STATES OF AMERICA

Doosan Benelux SA
Drève Richelle 167
B-1410 Waterloo
BELGIUM

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FOREWORD

This Operation & Maintenance Manual was written to give the owner / operator instructions on the safe operation & maintenance of the Bobcat telescopic handler. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT TELESCOPIC HANDLER. If you have any questions, see your Bobcat dealer. This manual can illustrate options and accessories not installed on your telescopic handler.

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REGULAR MAINTENANCE ITEMS (TR45190, TR50210, TR40250)

	ENGINE OIL FILTER 7021519		AIR FILTER, Cartridge 7014690
	FUEL FILTER, Primary 7017308		BATTERY 7014631
	FUEL FILTER, Secondary 7021342		HYDRAULIC FLUID FILTER, External 7014687
	AIR FILTER, Outer 7014693		HYDRAULIC FLUID FILTER, Inline 7014691
	AIR FILTER, Inner 7014692		HYDRAULIC MESH FILTERS 7014684

NOTE: Always verify Part Numbers with your Bobcat dealer.

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Remote Control (Cont'd)

Operate The Remote Control

Perform the following procedure to operate the remote control:

Figure 97

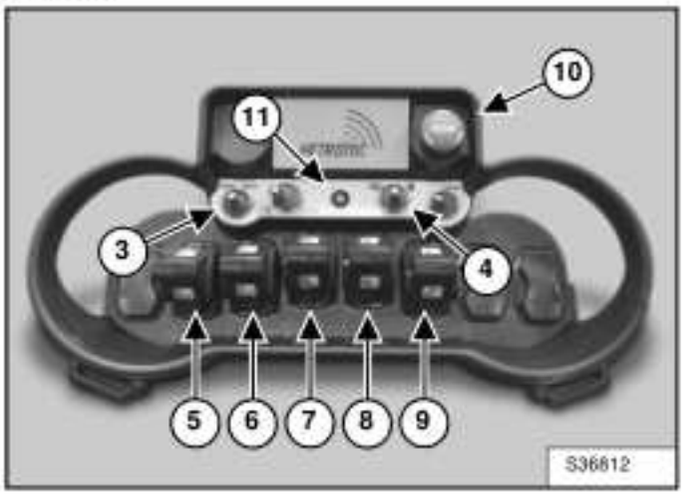


1. Turn the ON / OFF switch (Item 1) **[Figure 97]** clockwise to switch on the remote control transmitter. The indicator light (Item 11) **[Figure 98]** starts blinking.

2. Press the establish connection button (Item 2) **[Figure 97]** for 2 seconds. If the horn sounds for 1 second, the connection with the receiver is successfully made.

3. Move the engine start control lever (Item 4) **[Figure 98]** to the left for 5 seconds to start the engine.

Figure 98



Move the engine speed control lever (Item 3) **[Figure 98]** to the right to increase the engine speed. Move it to the left to decrease the engine speed.

Move the raise / lower boom control (Item 5) **[Figure 98]** down to raise the boom. Move it up to lower the boom.

Move the retract / extract boom control (Item 6) **[Figure 98]** down to retract the boom. Move it up to extract the boom.

Move the attachment function control (Item 7) **[Figure 98]** down or up to control the attachment.

Move the upperstructure swing control (Item 8) **[Figure 98]** down to rotate the upperstructure anticlockwise. Move it up to rotate the upperstructure clockwise.

Move the attachment tilt control (Item 9) **[Figure 98]** down to tilt the attachment up. Move it up to tilt the attachment down.

Press the emergency and engine stop button (Item 10) **[Figure 98]** when an emergency occurs or to stop the engine and activate the parking brake.

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Performance

		TR35160	TR45190	TR50210	TR40250
Rated Operating Capacity		3500 kg (7716 lb)	4500 kg (9921 lb)	5000 kg (11023 lb)	4000 kg (8818 lb)
Capacity at max. height on	stabilisers	2000 kg (4409 lb)	3000 kg (6614 lb)	2500 kg (5512 lb)	1700 kg (3748 lb)
	tyres	1700 kg (3748 lb)	1200 kg (2646 lb)	1200 kg (2646 lb)	1500 kg (3307 lb)
Capacity at max. boom extension on	stabilisers	300 kg (661 lb)	500 kg (1102 lb)	400 kg (882 lb)	200 kg (441 lb)
	tyres	300 kg (661 lb)	400 kg (882 lb)	400 kg (882 lb)	400 kg (882 lb)
Max. lifting height on	stabilisers	15,70 m (51.51 ft)	18,70 m (61.35 ft)	20,50 m (67.26 ft)	24,50 m (80.38 ft)
	tyres	13,80 m (45.28 ft)	18,40 m (60.37 ft)	20,30 m (66.60 ft)	21,10 m (69.23 ft)
Max. horizontal boom extension		13,85 m (45.44 ft)	16,40 m (53.81 ft)	18,10 m (59.38 ft)	18,41 m (60.40 ft)
Boom extension at max. height		3,70 m (12.14 ft)	4,80 m (15.75 ft)	5,50 m (18.04 ft)	6,23 m (20.44 ft)
Fork tilting angle		134°	134°	134°	120°
Tearing force		5812 kg (12813 lb)	5812 kg (12813 lb)	5812 kg (12813 lb)	5812 kg (12813 lb)
Towing force		7444 kg (16411 lb)	9585 kg (21131 lb)	9585 kg (21131 lb)	9585 kg (21131 lb)
Maximum allowable slope		40 %	40 %	40 %	40 %
Total empty weight		13700 kg (30203 lb)	16800 kg (37038 lb)	17680 kg (38978 lb)	17280 kg (38096 lb)
Maximum speed		30 km/hr (18.6 mph)	40 km/hr (24.9 mph)	40 km/hr (24.9 mph)	40 km/hr (24.9 mph)

Engine

	TR35160	TR45190, TR50210, TR40250
Make / Model	Iveco / NEF F4GE0454A - TC	Perkins / 1104D-ETA
Fuel / Cooling	Diesel / Water	Diesel / Liquid
Horsepower	74 kW (102 hp) @ 2300 rpm	106 kW (144 hp) @ 2200 rpm
Number Of Cylinders	4	4
Displacement	4,485 L (273.69 in^3)	4,399 L (268.44 in^3)
Specific Fuel Consumption per hour (2200 rpm)		230g/kWh
Air Induction	Turbo-Compressor	Turbo-Compressor aftercooler
Starting Aid		Intake Air Heater

Transmission

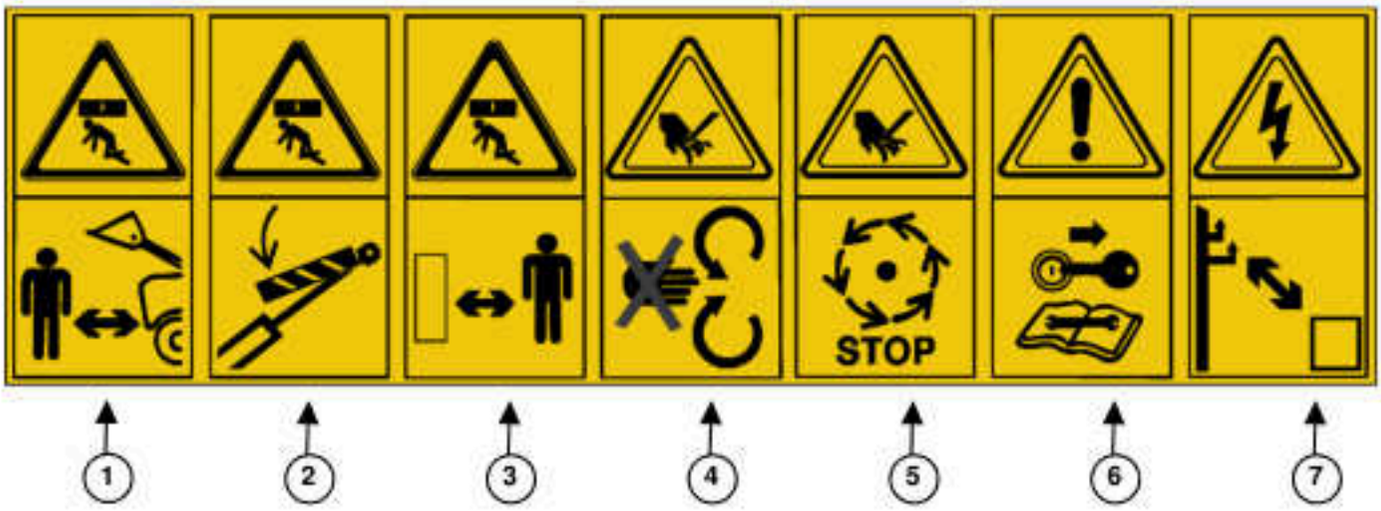
Transmission	Hydrostatic with variable delivery pump
Hydraulic engine	With automatic adjustment
Reversing gear	Electro-hydraulic
Inching pedal	For controlled forward movement
Two speed	Servo controlled 2 speed gearbox

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MACHINE SIGNS (DECALS) (CONT'D)

1. Operator Cab Safety Decal (AXA1425)

This safety sign is located in the operator cab on the right side window.



WARNING

1. Keep all persons at a safe distance from the machine before and during starting loading operations.

WARNING

2. When carrying out maintenance work, lock the hydraulic cylinders with safety locks.

WARNING

3. Keep all persons at a safe distance.

WARNING

4. Do not open or remove safety guards or devices while the engine is running.

WARNING

5. Wait until all moving parts have come to a halt.

WARNING

6. Switch off the engine and remove the key before starting maintenance work.

WARNING

7. Check the work zone and keep far away from power supply sources.

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