SERVICE MANUAL

Road Graders RG140 - RG170 - RG200



NEW HOLLAND CONSTRUCTION

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Study the safety rules ***IN THE FRONT OF THIS MANUAL*** thoroughly for the protection of the machine and safety of personnel

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OPTIONAL EQUIPMENT

. Reverse speed alarm
. 70 A alternator
. Air conditioning
. Rops closed cab, front and rear windshield whippers with washer, safety glasses, internal lights, internal rearview mirror, cortina quebra sol, support for glasses and other objects, radio and cassette player, ashtray, 12V electric outlet, general switch, external rearview mirrors (774 kg)
. Pressurized cab
. Tool box
. Cab heating
. Additional hydraulic control
. Frontal counterweight (500 kg)
. Blade floating control
. Front blade floating control
. Emergency steering with indicator on the E.D.M panel
. Cold start device
. Slow movement emblem
. Rear axle with brakes on the four wheels of the tandem and hydraulic lock for the differential
. Front scarifier with 5 teeth (648 kg)
. Front scarifier with 11 teeth (690 kg)
. External rearview mirror for open cab
. Blade length: 600 mm on each side (228 kg)
. Fire extinguisher
. Reinforced knives and edges of the blade
. Front draw hook
. Rear draw hook
. Tool kit
. Noise suppressor kit
. 3.658 x 622 x 22 mm (-75 kg) - 12' blade
. 4.267 x 671 x 22 mm (+85 kg) - 14' blade
. Front blade (1.165 kg)
. Lower front windshield whipper
. Rear windshield whipper with washer for open cab
. Rotative lantern over the cab
. Double-power diesel engine
. Tires: 13,00 x 24 - 10 PR (-65 kg)
13,00 x 24 - 12 PR (-30 kg)
14,00 x 24 - 12 PR (+57 KG)
16,00 x 24 - 12 PR (+115 KG)
17,50 X 25 - 12 PR (+205 KG)
. Placa de empuxo/counterweight
. Vandalism prevention
. Rear ripper with 5 teeth on the ripper and 9 teeth on the scarifier (984 kg)
. Spare wheel
. Fixed saddle
. 5-position mobile saddle
. 2 frontal lanterns assembled over the cab
. 2 work lanterns assembled under the cab

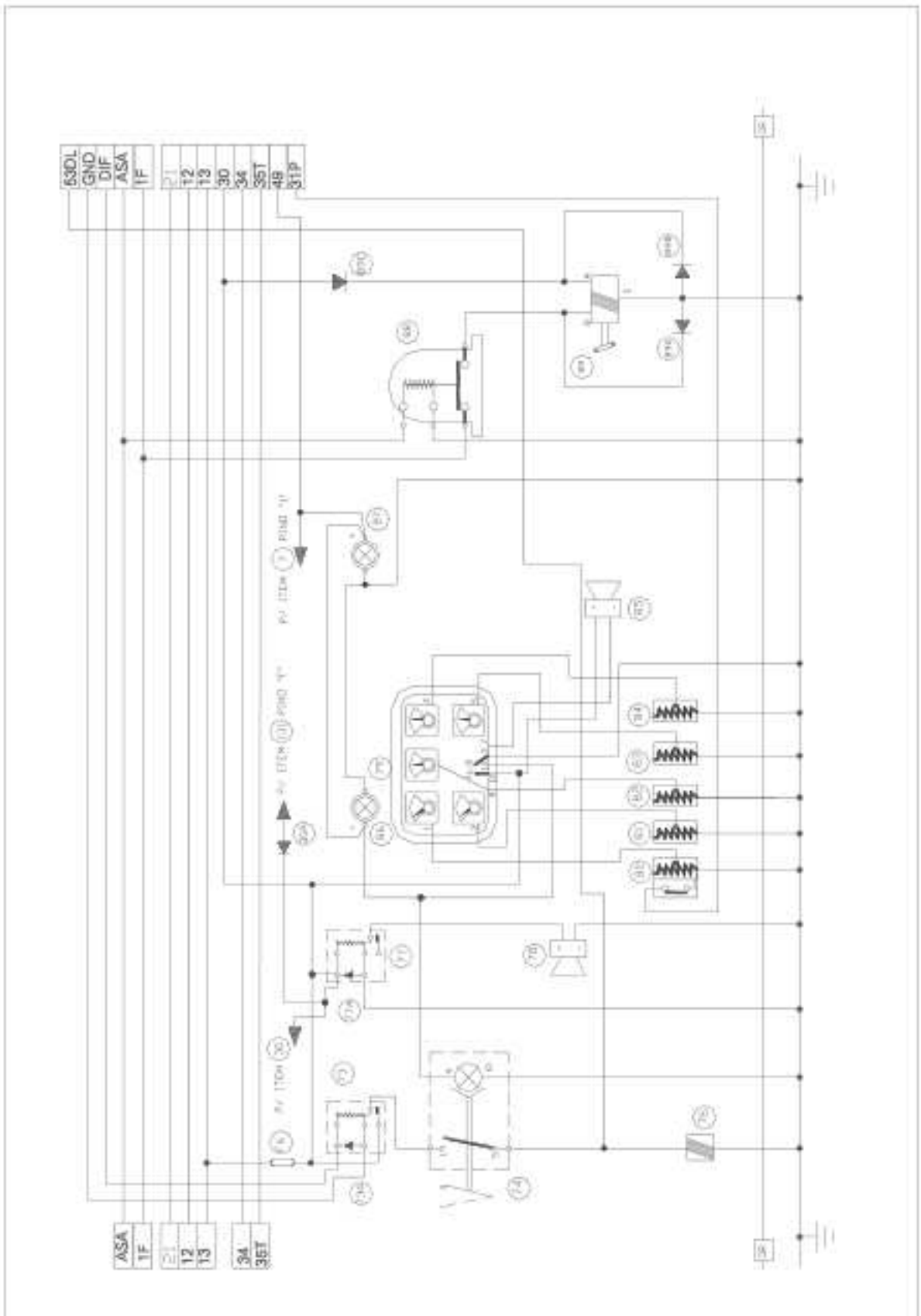
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SYMPTOM	PROBLEM	SOLUTION
		4. If no continuity is indicated, the park switch is not getting power. Inspect this line for an open circuit, and repair or replace as needed.
		5. If continuity is indicated, system battery voltage supply line to park switch is OK.
	Faulty TCU.	After all other possible causes have been eliminated, replace TCU.

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SECTION 10 - ELECTRICAL SYSTEM

ELECTRIC SCHEMATICS



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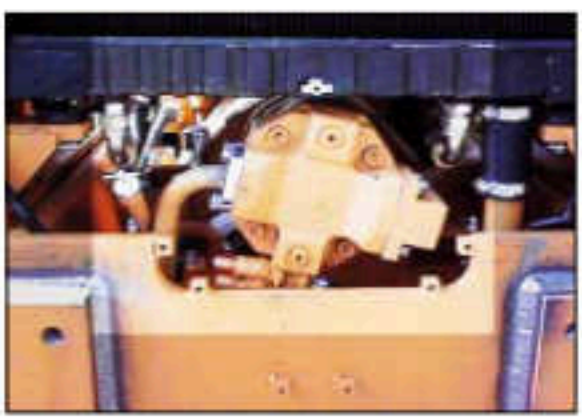
Fasten the hood with hoists coupled to adequate chains.



Remove the rear hood of the machine.



After performing these operations, you will be able do the maintenance on the hydraulic pump and the transmission much more easily.



To remove the transmission together with the hydraulic pump, just fasten hoists to the side of the transmission, uncouple if of the engine, uncouple the electric connections and hoist them off the frame.



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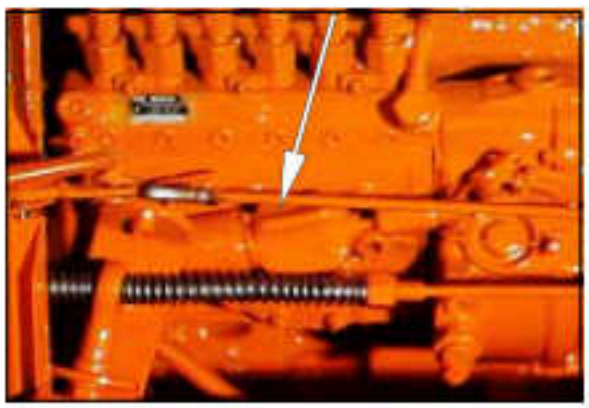
Spin sensor of the transmission output (Out put speed MPV).



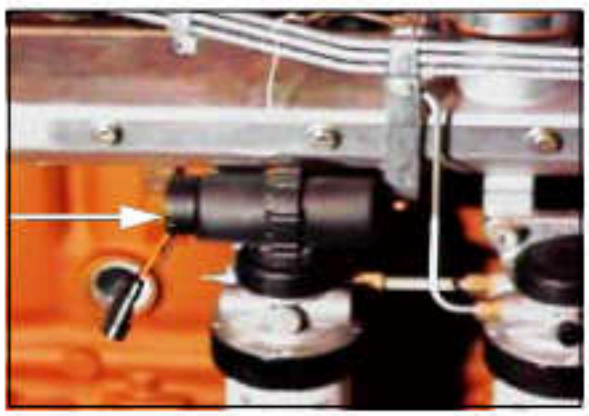
Solenoid valves proportional to the transmission command.



Electric throttle for the engine injector pump of the RG170/200.



Electric fuel pump used on the RG140 engine.



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