

Service Manual

02

Rough Terrain Crane

Model **GR-300EX-1**

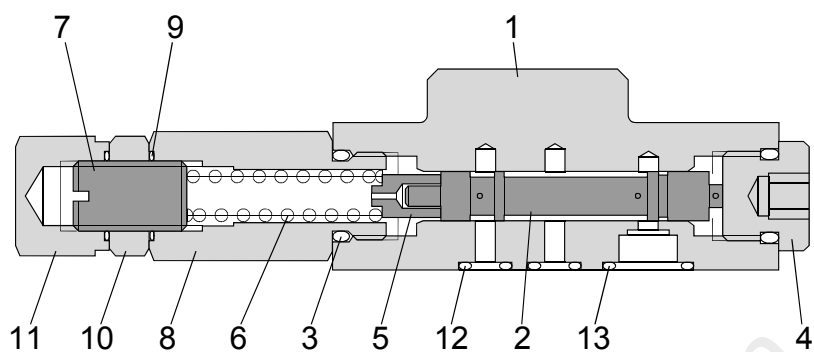
Applicable Serial No. 560678 --

TADANO LTD.

Sequence Valve (Pilot Pressure)

Pressure reducing valve

(illustrated as 5 in the cross section along the line A-A)



IW122-011005

1.Body
2.Spool
3.O-ring
4.Plug

5.Spring seat
6.Spring
7.Adjust screw
8.Body

9.O-ring
10.Nut
11.Cap nut
12.O-ring

13.O-ring

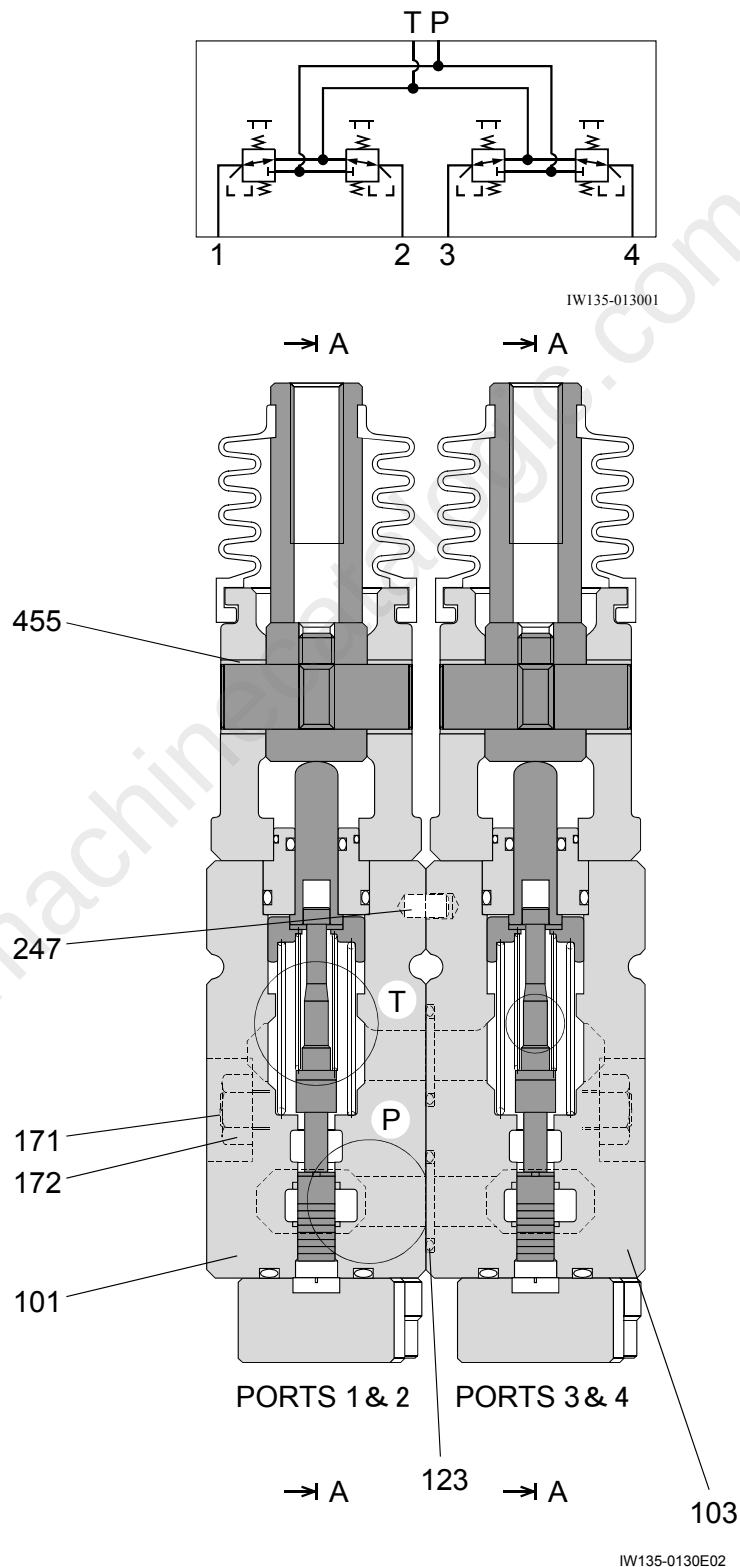
Remote Control Valve (Lever)

L-2 Remote Control Valve (Lever)

[NOTICE]

- ◆ There is a case that the appearance and so on differ from the parts for this machine. Although there is not so much difference in functions and disassembly procedures, make sure of the serial number of this machine and the part sales unit described in the parts catalog before starting disassembling operations.

1. Structure



4. Overshift prevention

[NOTICE]

4. Maintain a speed of 9.0 MPH. Move the shift lever to "1." Check that transmission does not downshift (display: 2).
5. Gradually decrease speed. Check that transmission downshifts to 1st gear at 6.8 MPH (display: 1).

	Meter speed	Combination meter display
a	11.8 MPH	D
b	11.8 MPH	2
c	9.0 MPH	2
d	6.8 MPH	1

[1MPH=1.609km/h]

Item	Warning type	Identification	Check conditions
Low air pressure and parking	Electronic buzzer	• 2300 Hz • Continuous beep	Buzzer does not sound when the following conditions are met. It sounds at all other times. 1.Air pressure is 540 kPa (55 kgf/cm ²) (78.3 psi) or less. From parking OFF, main switch is turned ON. 2.Parking is ON, shift lever is not N position.
Engine overrun	Electronic buzzer	• 2300 Hz • Intermittent beeping	The mechanism sounds at engine speed of 2810 min ⁻¹ . There is no need to check it. Turns OFF at 2600 min ⁻¹ .
Speed warning	Electronic buzzer	• 2300 Hz • Continuous and intermittent sounds	Attach a step-up gear to the vehicle speed detection gear box. Accelerating: Speedometer reading 31.7 MPH: Intermittent sound 33.6 MPH: Continuous sound Decelerating: Speedometer reading 32.3 MPH: Intermittent sound 29.2 MPH: OFF
Torque converter low pressure	Electronic buzzer	• 2300 Hz • Continuous beep	Buzzer sounds if the parking brake is OFF, and the torque converter pressure is 1.0 MPa (10.2 kgf/cm ²) (145 psi) or less.
2WD/4WD select	Electronic buzzer	• 2300 Hz • Continuous beep	Sounds if vehicle speed exceeds 0.6MPH when 2-/4-wheel switch condition differs from 2-/4-wheel indication in the meter panel.

Full Version Available

Tadano GR-300EX-1 Rough Terrain Crane Service Manual

Tadano GR-300EX-1 rough terrain crane service manual with repair procedures, adjustments and troubleshooting across the main systems. Instant PDF download.

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