



TADANO

Publication No. GT-800XXL-1/S1(U)-1E

Service Manual

01

Truck Crane

Model TT-800XXL-1

Applicable Serial No. 475326 ~

TADANO LTD.

Foreword

3. Outline of specifications

Item		Spec. No.
		GT-800-1-90102 2M2D (North America)
No. of boom sections		5
No. of jib stages		2
Single top		Option
Winch	Main winch	Fitted
	Auxiliary winch	Fitted
	Winch brake	Automatic brake (Neutral brake)
	Drum rotation indicator	Touch-type (Option)
Weight	Counterweight	Removable type
Load moment indicator (AML)		AML-LK
Auto. stop solenoid valve energizing type		Normally energized
AML external indicator lamp		Fitted
Oil cooler		Fitted
Air conditioner		Option
Carrier model		FAUN / KF70-4
Carrier type		Left hand steering, 8×4
Engine model		Cummins QSM11

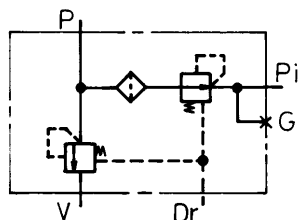
Sequence Valve (Pilot Pressure)

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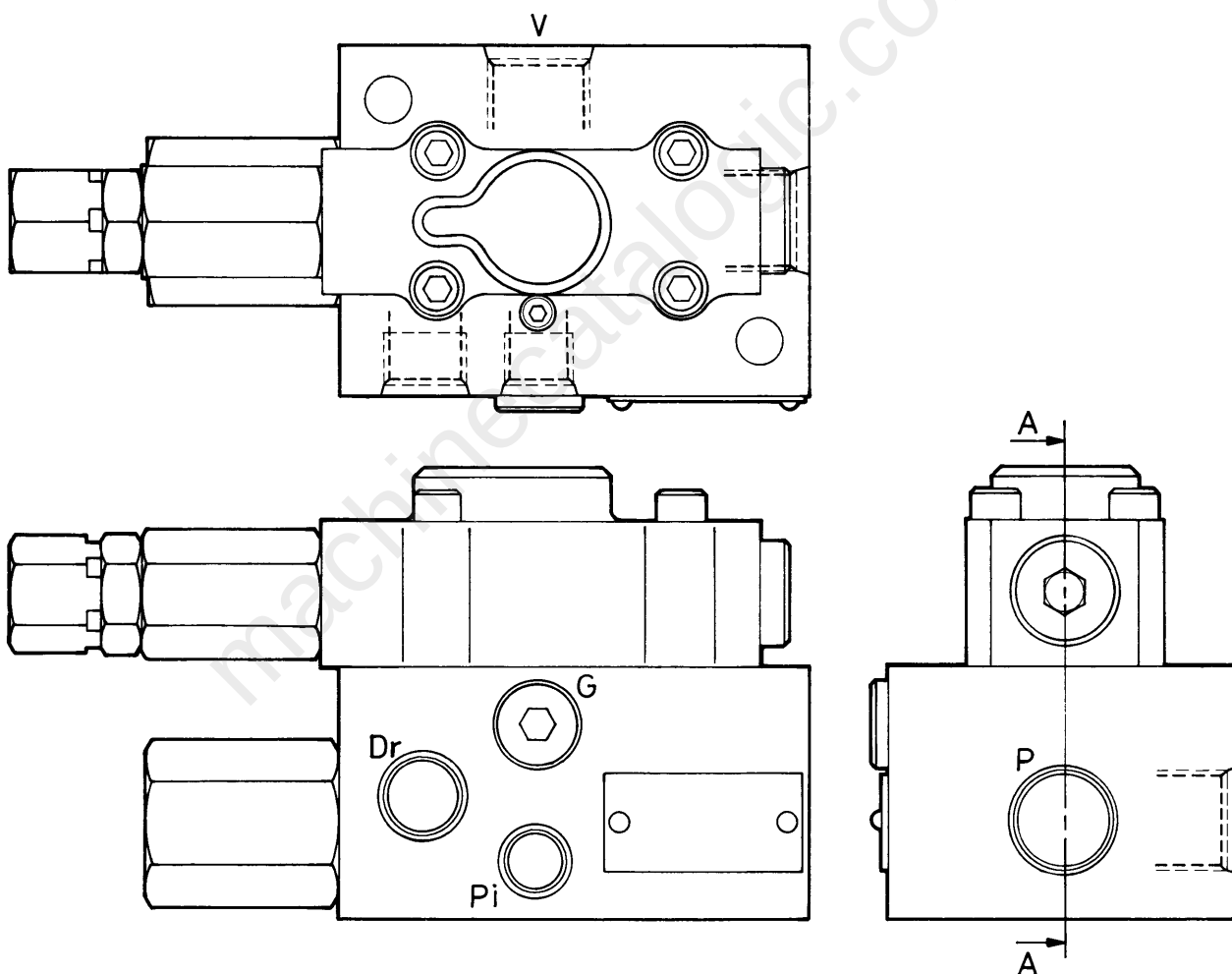
[NOTICE]

◆ 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



IW122-011002



IW122-011001

Thread size and tightening torque

Thread	Thread size	Tightening torque	
		N-m	ft-lbf
P, V	G1/2	58.8 – 68.6	43.4 – 50.6
Dr	G3/8	39.2 – 49	28.1 – 36.1
Pi, G	G1/4	24.5 – 29.4	18.1 – 21.7

Elevating System

Elevating System

1. Description of the units

1.1 Elevating cylinder

1. The elevating cylinder serve to elevate the boom.
2. A pressure sensor is installed to input the value to the AML for calculating load moment.

1.2 Counterbalance valve

1. This valve serves to prevent the cylinder piston rod from pushed in by the load during boom lowering to maintain the lowering speed at a level determined by the oil entry flow rate to the cylinder.
2. It also prevent the retraction of the piston rod when the piping between it and the manual control valve is broken.

1.3 Select valve (dolly)

1. To travel with a dolly hitched to the rear of the carrier, it is required that the hydraulic circuits for the boom elevating cylinder and swing motor be free so that the boom can follow the movements of the dolly while travelling.

Jib

1.Jib 2	14.Spring washer	27.Split pin	40.Pin ass'y
2.Jib1	15.Pin ass'y	28.Stopper	41.Pin
3.Support	16.Spacer	29.Roller ass'y	42.Support
4.Snap pin	17.Sheave ass'y	30.Spacer	43.Spacer
5.Pin	18.Plate	31.Pin	44.Pin
6.Pin	19.Pin	32.Bar	45.Bolt
7.Retaining ring	20.-----	33.Pin	46.Spring washer
8.Sheave ass'y	21.Link	34.Split pin	47.Roller ass'y
9.Grease nipple	22.Plate	35.Plate	48.Pin
10.Pin	23.Plate	36.Pin ass'y	49.Spacer
11.Snap pin	24.Plate	37.Nut	50.Snap pin
12.Guide ass'y	25.Pin	38.Bolt	51.Spacer
13.Bolt	26.Plain washer	39.Plate	

Air Conditioner

WARNING

 While the engine and the air conditioner are running, be sure not to touch the rotating objects (fan belt, condenser fan, etc).

[NOTICE]

- ◆ Operate the air conditioner after starting the engine. Before stopping the engine, turn off the power switch of the air conditioner.
- ◆ Do not place an obstructive object at the front of the louvers.
- ◆ The compressor of the air conditioner stops during outrigger operation and suspension lock operation.

Power switch

As this switch is pressed, the power to the air conditioner is turned on or off repeatedly.
While the switch is on, signs are shown on the liquid crystal display.

Air conditioner switch

This switch is used to start up the compressor and to activate the cooling/dehumidification function.
As it is pressed, it is turned on or off repeatedly.
While the switch is on, the snow-shaped sign appears on the display.

Inside/outside air selector switch

This switch is used to select air supply between outside-cab air supply and air circulation inside cab.

As it is pressed, the air supply changes between outside-cab air supply and air circulation inside cab repeatedly.

The current air supply is shown on the display.

Air flow switches

These switches are used to select air flow volume among four steps.

The current volume is shown on the display.

Temperature control switches

These switches are used to adjust the temperature of the air from the air conditioner among eight steps.

The current temperature is shown by the bargraph on the display.

Air outlet changeover switch

This switch is used to select the air blowing direction. As it is pressed, the direction changes Face → Face and foot → Foot in sequence repeatedly.

The current direction is shown on the display.

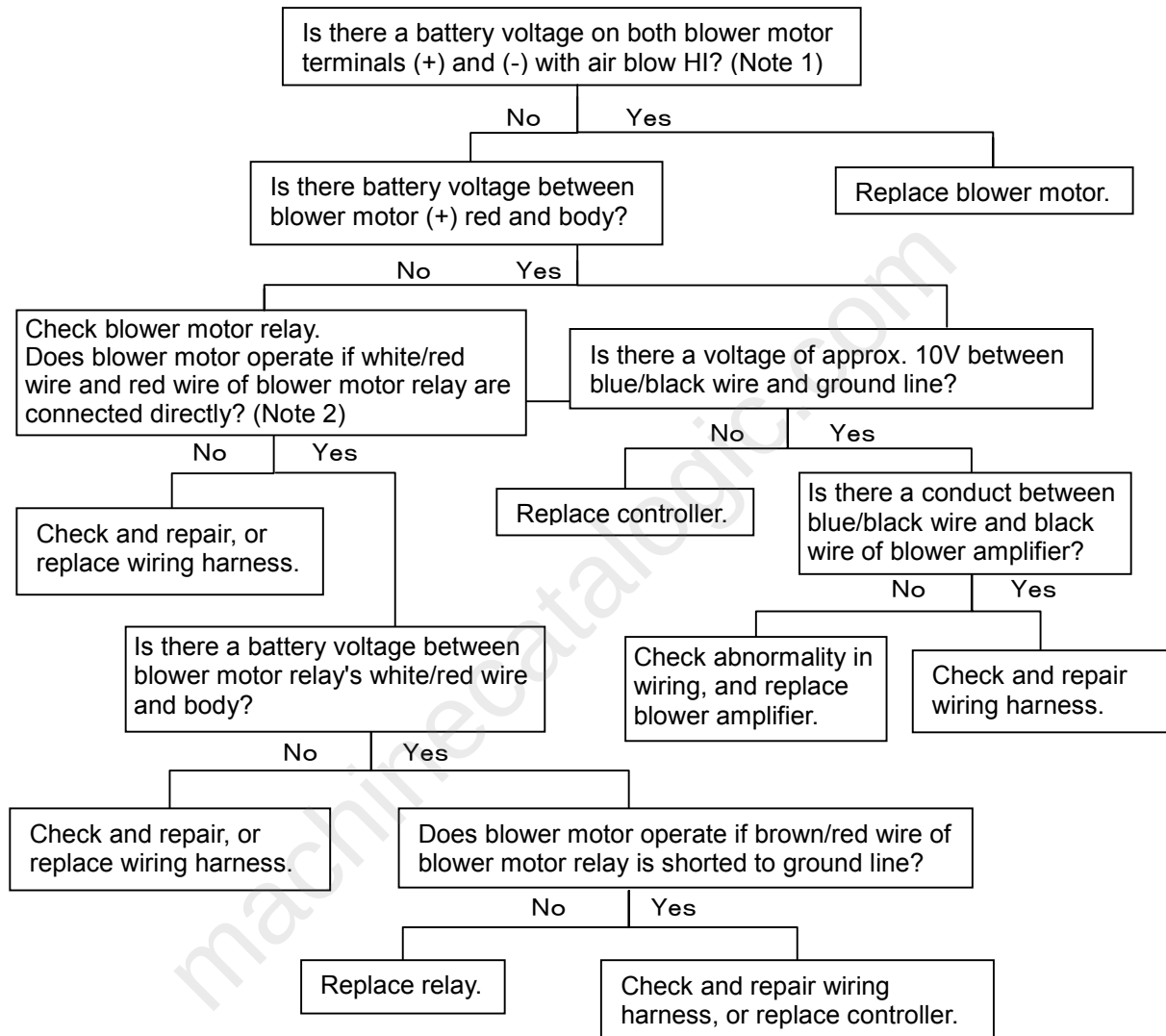
Defroster switch

This switch is used to set the air flow coming out of the defroster.

To cancel the defroster mode, press this switch again or press the air outlet changeover switch. The air flows will come out in the direction last selected.

While the defroster is used, the corresponding sign is shown on the display.

Air Conditioner

Blower motor does not operate.

(Note 1) Measure it with connector connected.

(Note 2) Turn OFF the air conditioner, vehicle key switch, and light switch for safety while connecting wires directly.

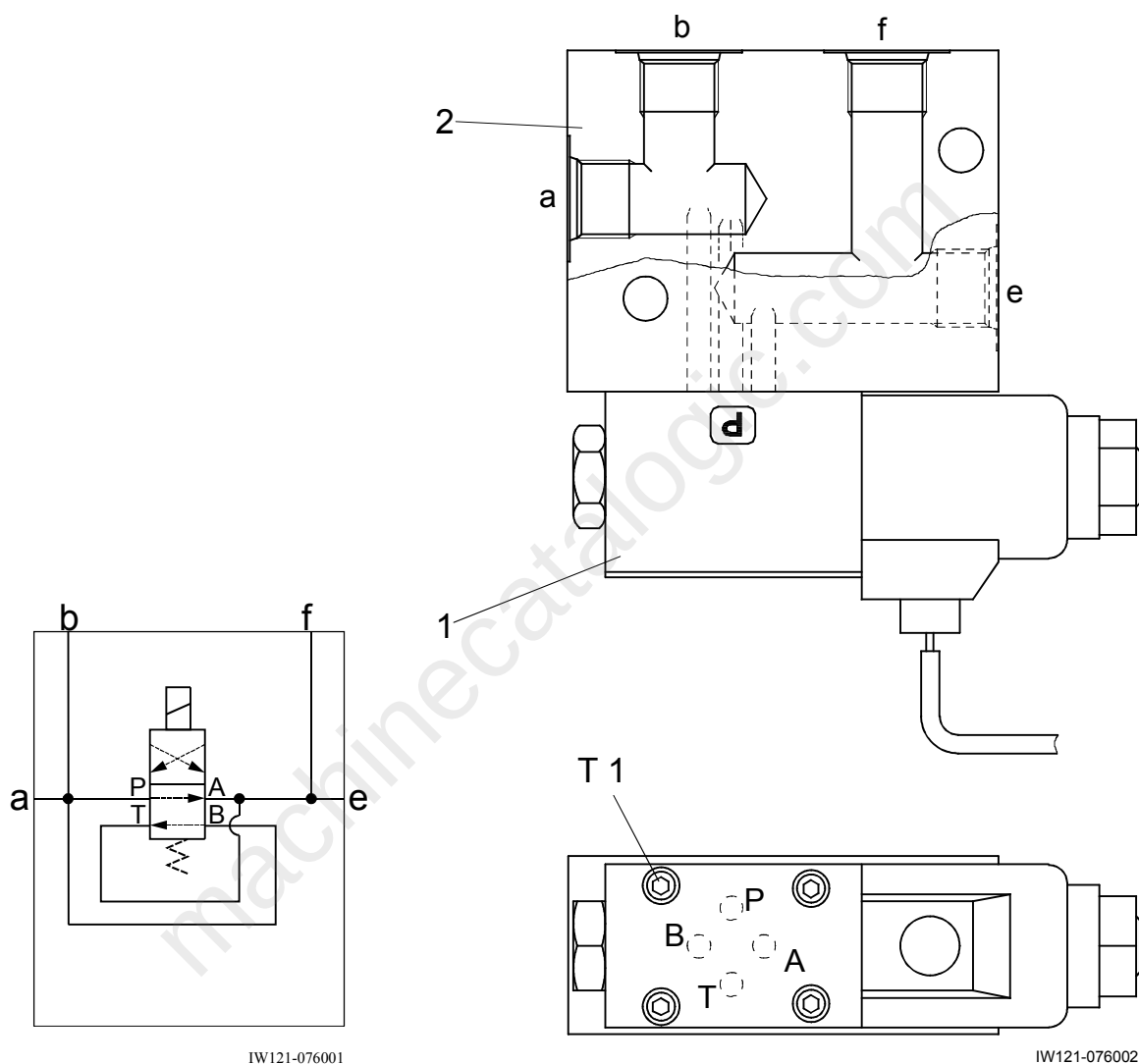
Solenoid Valve (Air Conditioner) (Option) (#475355~)

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1. Structure



1.Solenoid valve ass'y

2.Body

Thread size and tightening torque

Thread	Thread size	Tightening torque	
		N-m	ft-lbf
a, b, e, f	G1/2	98	72
T1	M5	7 - 8	5 - 6

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Tadano TT-800XXL-1 Truck Crane Service Manual

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