

Service Manual

Rough Terrain Crane **GR-1600XL**

Model: GR-1600XL-2
Serial No.: FE5001-

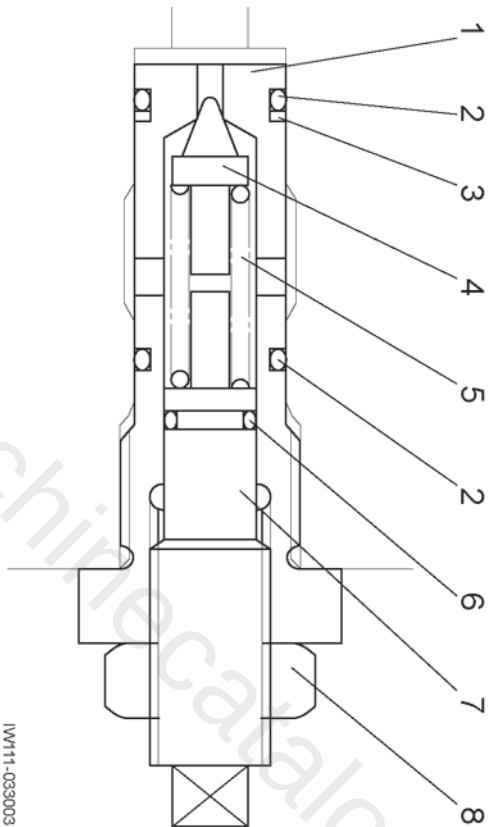
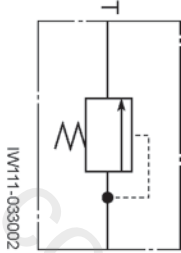
Foreword

Chapter		Spec. No.	
Section	GR-1600-2-00101		GR-1600-2-00102
	2M2D		
	(North America)		
Electric System			
N	Multiplex Data Transmitter (MDT-9)	Refer to separate service manual (W303-0582E)	
	Display Control Unit (DCU)	N-1	
	Combination Meter	N-2	
	Signal Transmitter (STM-E)	N-3	
	Engine Control Unit (ECU)	N-4	
R	Telecommunications Terminal	N-5	
	Driving Power Transmission System		
S	Driving Power Transmission System	R-1	
	Torque Converter and Transmission	Refer to separate service manual	
	Driving Axle	Refer to separate service manual	
Steering System			
S	Steering System	S-1	
	Priority Valve	S-2	
	Orbitrol	S-3	
	Steering Cylinder	S-4	
	Solenoid Valve (Steering Mode)	S-5	
	Pilot Check Valve (Rear Steering Hydraulic Lock)	S-6	
	Relief Valve (Steering Cylinder)	S-7	

Relief Valve (Telescoping)

1.2 Relief valve assy
(Component 2 of “1.1 General view”)

Hydraulic symbol



- 1.Sleeve

2.O-ring
- 3.Backup ring

4.Valve
- 5.Spring

6.O-ring
- 7.Bolt

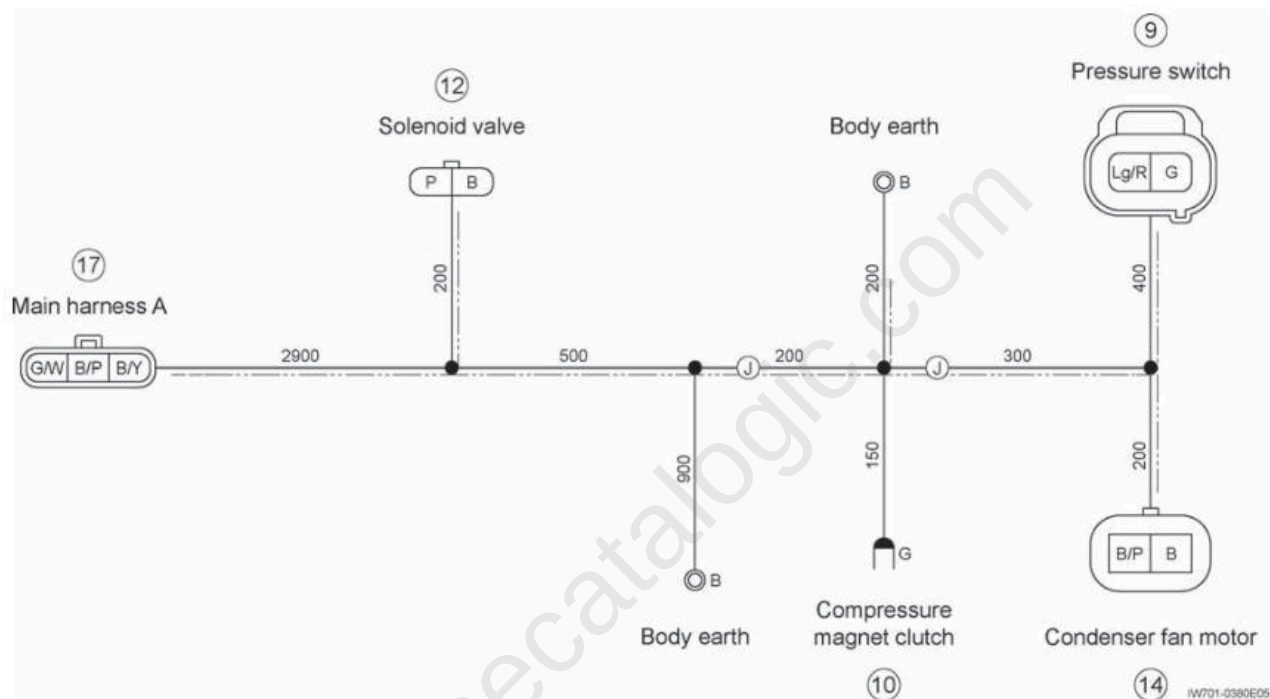
8.Nut

Thread size and tightening torque

Sign / port	Thread size	Tightening torque		
		N·m	kgf·m	ft·lbf
7	M16	161 ± 9	16.4 ± 0.85	119 ± 7
8	M16	98 ± 5	10 ± 0.5	72 ± 4

Air Conditioner

8.1.2 Main harness B



Engine Control Unit (ECU)

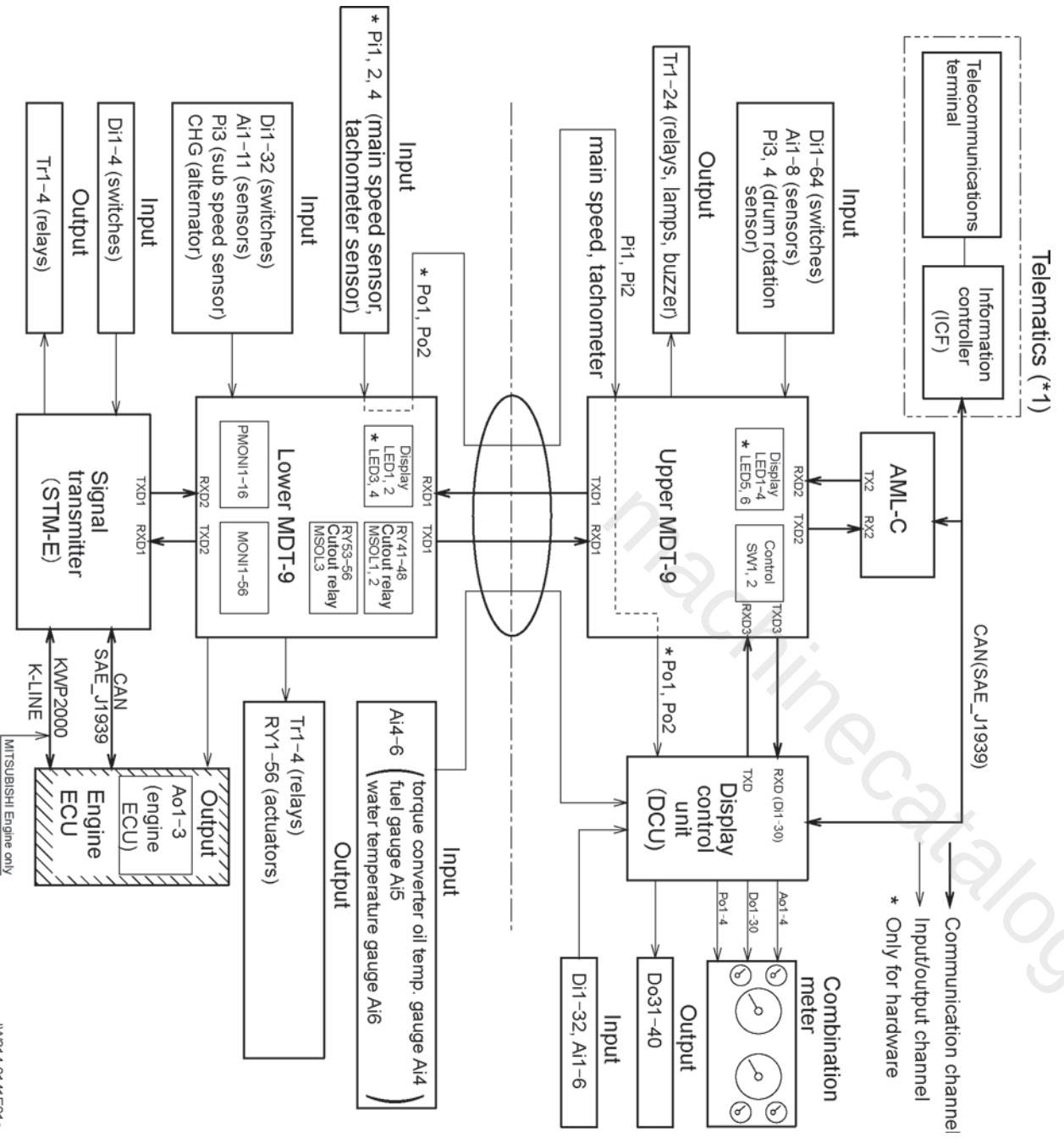
N-4 Engine Control Unit (ECU)

[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. System configuration

The engine control unit (ECU) is configured as shown in the configuration chart below.



(*1): The configuration differs depending on specification.

IW314-0141E01a

Refer to the chapter Z of the separate service manual (circuit diagrams and data).

Full Version Available

Tadano GR-1600 Rough Terrain Crane Service Manual

Tadano GR-1600 rough terrain crane service manual with repair procedures, hydraulic system adjustments and troubleshooting. Instant PDF download.

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