CRAWLER EXCAVATOR

SERVICE MANUAL

R35Z-9

HYUNDAI

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6. BUCKET SELECTION GUIDE

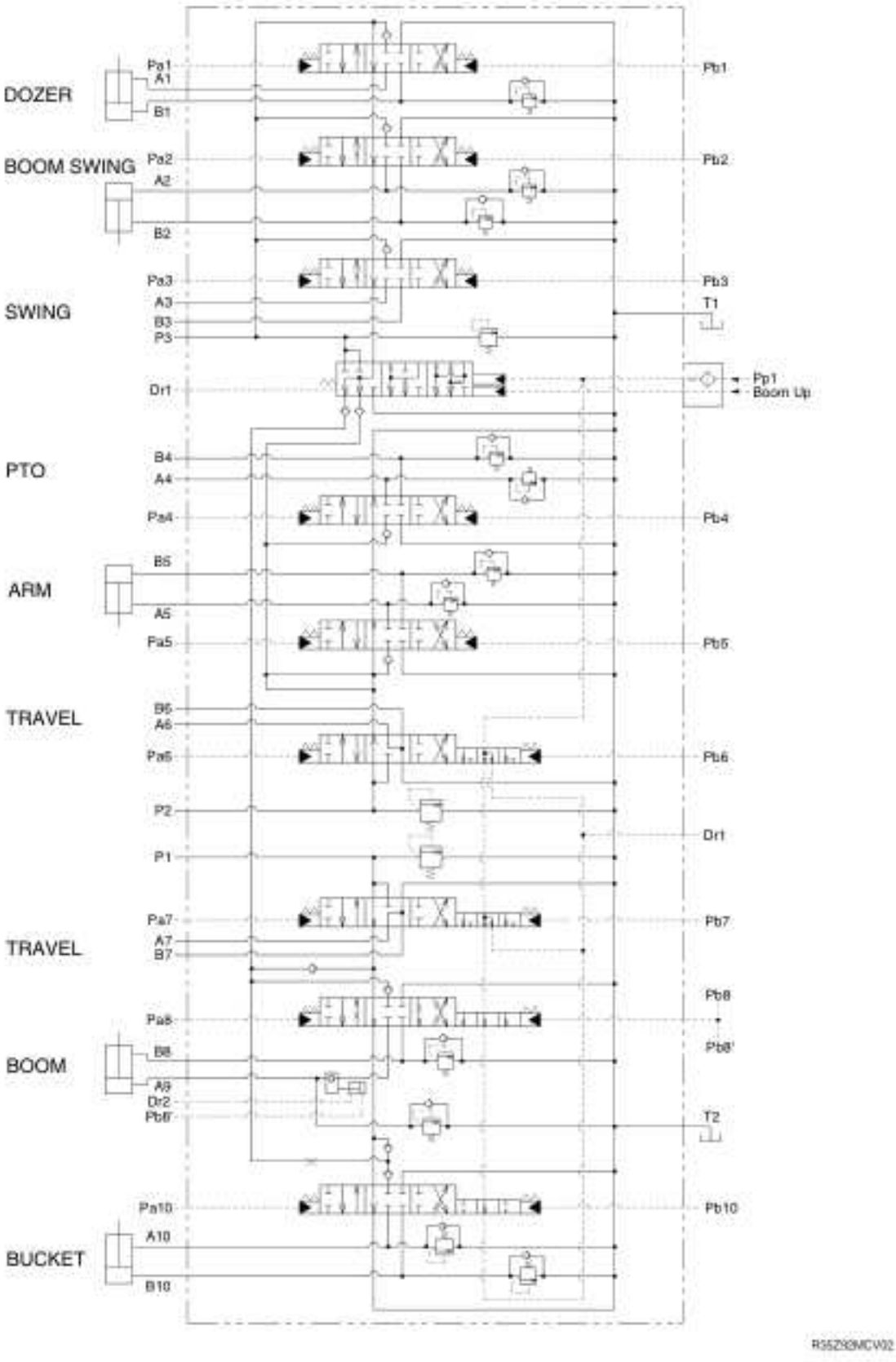


0.11 m^3
SAE heaped bucket

Capacity		Width		Weight	Recommendation
					2.5 m (8' 2") boom
SAE heaped	CECE heaped	Without side cutter	With side cutter		1.3 m (4' 3") arm
0.11 m^3 (0.14 yd^3)	0.09 m^3 (0.12 yd^3)	550 mm (21.7")	610 mm (24.0")	80 kg (176 lb)	Applicable for materials with density of 1600 kg/m^3 (2700 lb/yd^3) or less

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3. HYDRAULIC CIRCUIT



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GROUP 1 BEFORE TROUBLESHOOTING

1. INTRODUCTION

When a trouble is occurred in the machine, this section will help an operator to maintain the machine with easy.

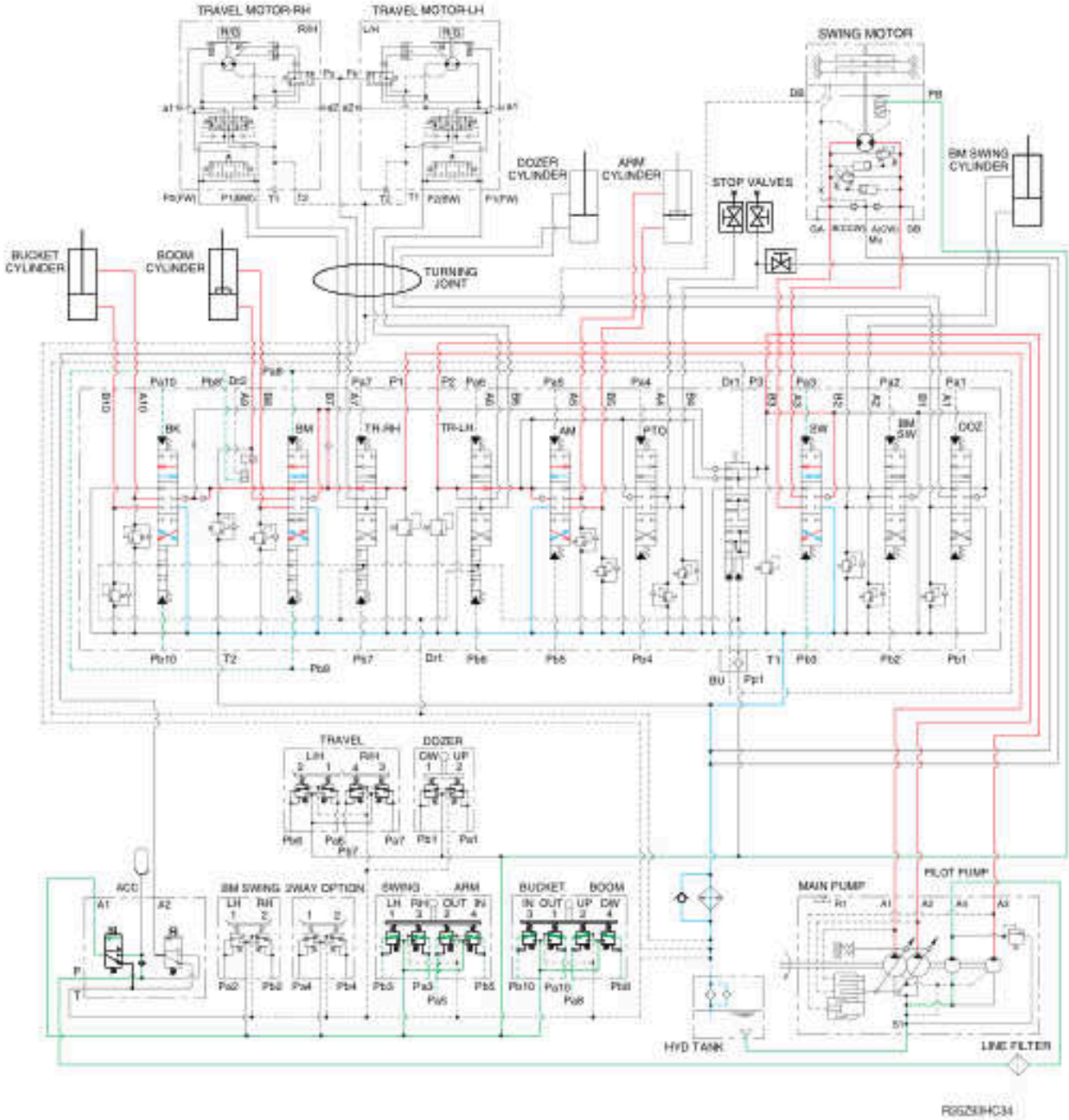
The trouble of machine is parted Hydraulic & Mechanical system and Electrical system.

At each system part, an operator can check the machine according to the troubleshooting process diagram.



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5. COMBINED SWING, BOOM, ARM AND BUCKET OPERATION



When the swing, boom, arm and bucket functions are operated, simultaneously each spool in the main control valve is moved to the functional position by the pilot oil pressure from the remote control valve.

The oil from the A2 pump flows into the arm cylinder through, arm spool.

The oil from the A1 pump flows into the boom cylinders and bucket cylinder through the boom spool, bucket spool.

The oil from the A3 pump flows into the swing motor through the swing spool.

The superstructure swings and the boom, arm and bucket are operated.

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4) OLED display

(1) Main display



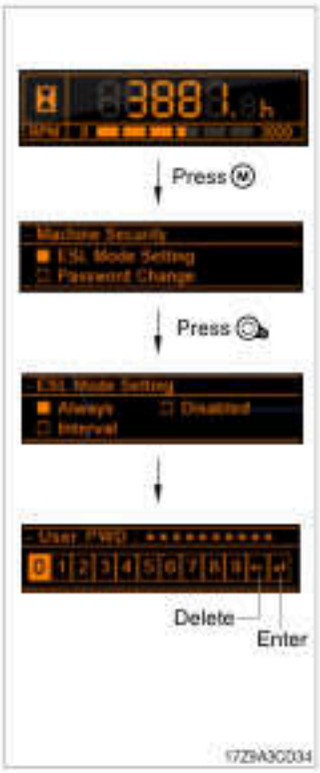
① Service meter : This meter shows the total operation hours of the machine.

※ Always ensure the operating condition of the service meter during the machine operation.

② Engine rpm : This displays the engine speed.

③ Engine run status : This displays the engine run ststus.

(2) Machine security



① ESL (Engine Starting Limit) mode setting

- ESL mode is designed to be a theft deterrent or will prevent the unauthorized operation of the machine.
- If the ESL mode was selected Always, the password will be required when the start switch is turned ON.
- Disable : Not used ESL function.

Always: The password is required whenever the operator start engine.

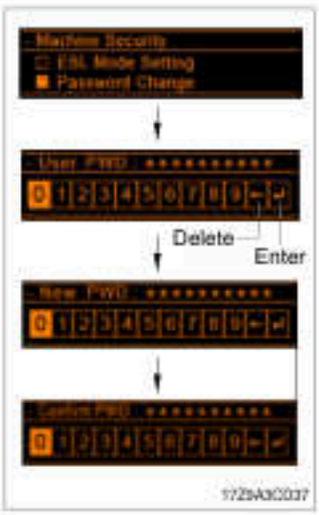
Interval : The password is required when the operator start engine first. But the operator can restart the engine within the interval time without inputting the password.

The interval time can be set maximum 2 days.

Interval time

- If set interval time to 5 minutes, ESL system is activated after 5 minutes. Therefore, the password does not need to restart engine within 5 minutes.

※ Default password : 00000

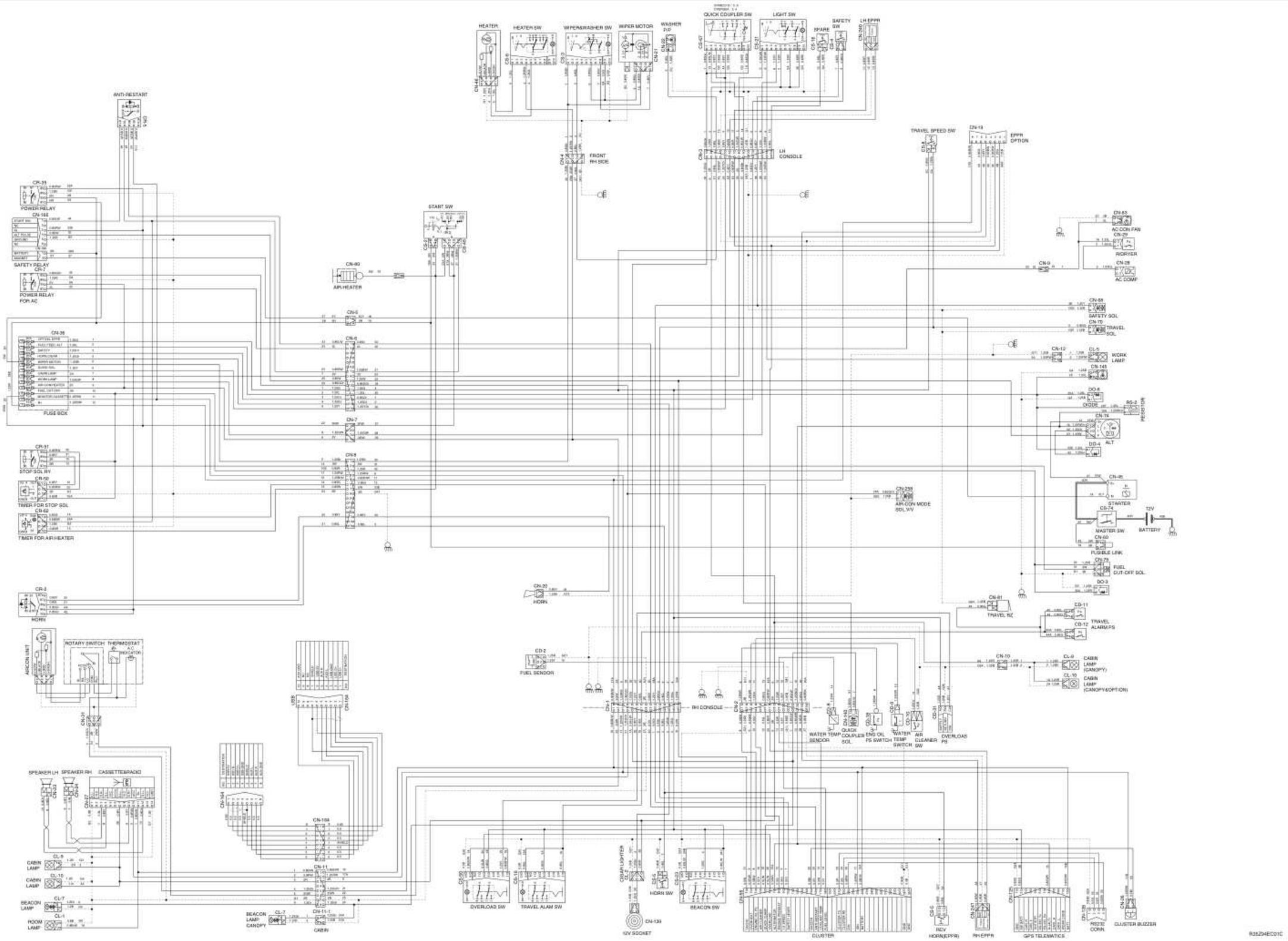


② Password change

- Input 5 to 10 digits and press Enter.

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ELECTRICAL CIRCUIT (machine serial No. : #2253~)



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