HYDRAULIC EXCAVATOR

SERVICE MANUAL

Robex 130

SMART

HYUNDAI

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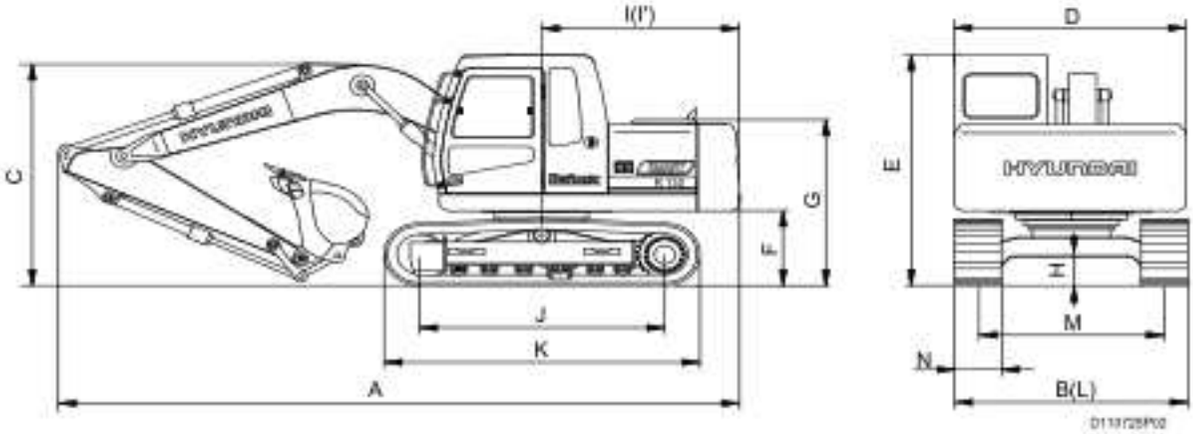
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2. SPECIFICATIONS

(1) 4.3m(14' 1") MONO BOOM, 1.96m(6' 5") ARM



Description		Unit	Specification
Operating weight		kg(lb)	11800(26222)
Bucket capacity(SAE heaped), standard		m³(yd³)	0.60(0.78)
Overall length	A	mm(ft-in)	7240(23' 9")
Overall width, with 500mm shoe	B		2490(8' 2")
Overall height	C		2550(8' 4")
Superstructure width	D		2475(8' 1")
Overall height of cab	E		2800(9' 2")
Ground clearance of counterweight	F		900(2' 11")
Engine cover height	G		1990(6' 6")
Minimum ground clearance	H		440(1' 5")
Rear-end distance	I		2110(6' 11")
Rear-end swing radius	I'		2130(7' 0")
Distance between tumblers	J		2610(8' 7")
Undercarriage length	K		3340(10' 11")
Undercarriage width	L		2490(8' 2")
Track gauge	M		1990(6' 6")
Track shoe width, standard	N		500(20")
Travel speed(Low/high)		km/hr(mph)	3.4/5.5(2.1/3.4)
Swing speed		rpm	12.0
Gradeability		Degree(%)	35(70)
Ground pressure(500mm shoe)		kgf/cm²(psi)	0.41(5.83)

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GROUP 4 CONNECTORS

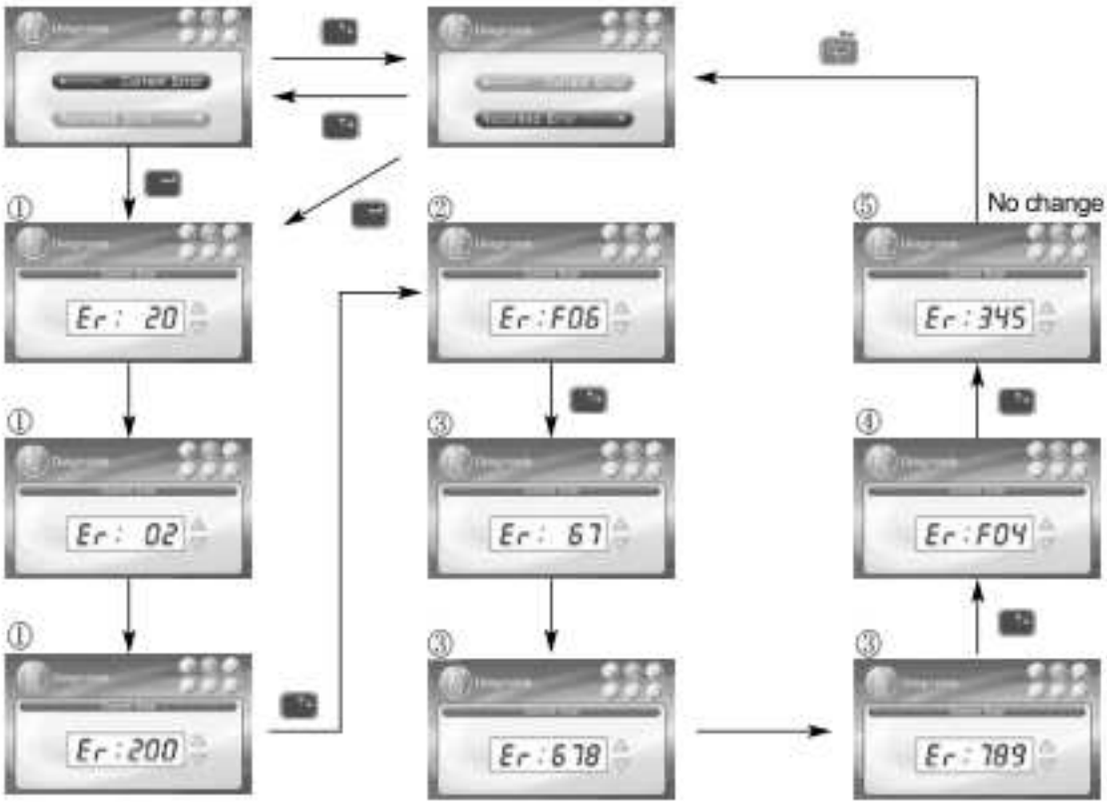
1. CONNECTOR DESTINATION

Connectom umber	Type	No. of pin	Destination	Connector part No.	
				Female	Male
CN-2	AMP	15	Engine harness	2-85262-1	S816-112002
CN-4	AMP	8	LH console wire harness	S816-008002	S816-108002
CN-5	AMP	15	RH side harness	2-85262-1	S816-112002
CN-6	AMP	12	RH side harness	S816-012002	S816-112002
CN-8	AMP	12	RH console wire harness	S816-012002	S816-112002
CN-9	AMP	8	RH console wire harness	S816-008002	S816-108002
CN-10	DEUTSCH	12	Cab harness	DT06-12S	DT04-12P
CN-11	DEUTSCH	8	LH console wire harness	DT06-8S	-
CN-12	DEUTSCH	2	Work lamp harness	DT06-2S-EP06	DT04-2P
CN-17	DEUTSCH	8	Wipe harness	DT06-8S	DT04-8P
CN-20	MOLEX	2	Horn	35825-0211	-
CN-21	AMP	6	Wiper motor	925276-0	-
CN-22	-	2	Washer tank	MG640605	-
CN-23	KET	2	LH speaker	MG610070	7322-1520
CN-24	KET	2	RH speaker	MG610070	7322-1520
CN-25	MOLEX	2	Horn	35825-0211	-
CN-27	AMP	14	Cassette radio	173852	AMP14P
CN-28	-	1	Air-con comp	MWP-01F-B	-
CN-29	KET	2	Receiver dryer	MG640795	-
CN-45	RING TERM	1	Starter	S820-308000	-
CN-47	AMP	2	Emergency resistor	S810-002202	-
CN-48	-	2	Hour meter	S810-002202	-
CN-50	AMP	36	CPU	3441111-1	-
CN-51	AMP	36	CPU	3441111-1	-
CN-55	AMP	2	Travel alarm pressure switch	S816-002002	S816-102002
CN-56	DEUTSCH	4	Cluster	-	DT04-4P
CN-60	-	2	Fusible link	-	7122-4125-50
CN-61	DEUTSCH	2	Fuel filler pump	DT06-2S-EP06	DT01-2P-P012
CN-66	DEUTSCH	2	Breaker solenoid valve	DT06-2S-EP06	DT04-2P-E005
CN-68	DEUTSCH	2	Safety solenoid valve	DT06-2S-EP06	-
CN-70	DEUTSCH	2	Travel speed solenoid valve	DT06-2S-EP06	-
CN-74	KET	2	Alternator	MG640188-4	-
CN-75	-	2	EPPR valve	S816-002002	-
CN-76	DEUTSCH	6	Accel actuator	DT06-6S-EP06	-
CN-79	RING TERM	1	Fuel cut-off solenoid	S820-104000	-
CN-81	DEUTSCH	2	Travel buzzer	DT06-2S-EP06	DP04-2P-E005
CN-88	DEUTSCH	2	Power max solenoid valve	DT06-2S-EP06	-
CN-92	AMP	1	Safety	S814-101100	S814-001100

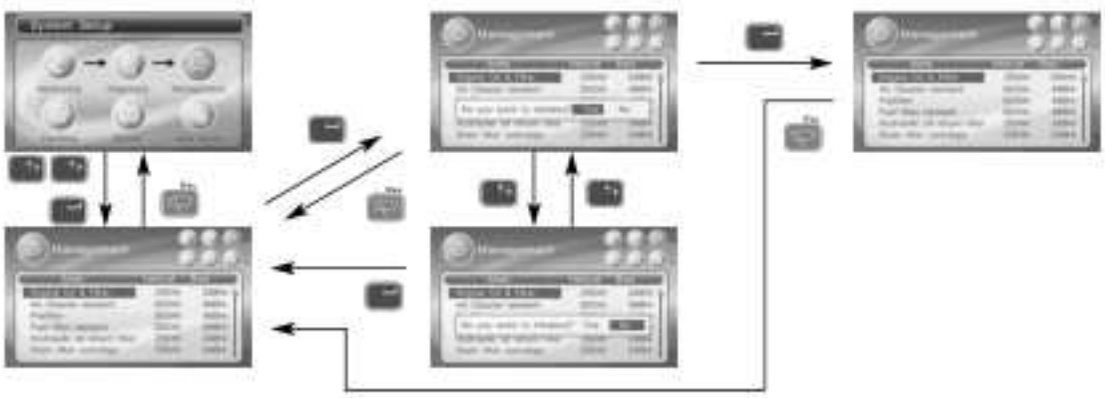
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b. Protocol type 2

- If there are more than 2 error codes, each one can be displayed by pressing or switch respectively.
- 3 error codes (①SPN200200, ②FMI06, ③SPN6789, ④FMI04, ⑤345) display.



③ Maintenance



④ Setting

a. Time set

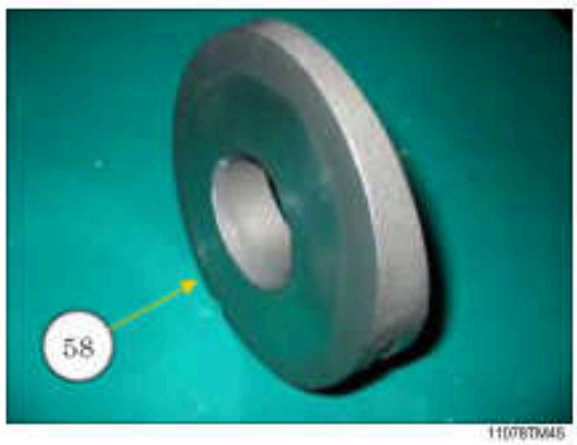


b. System lock - Reserved

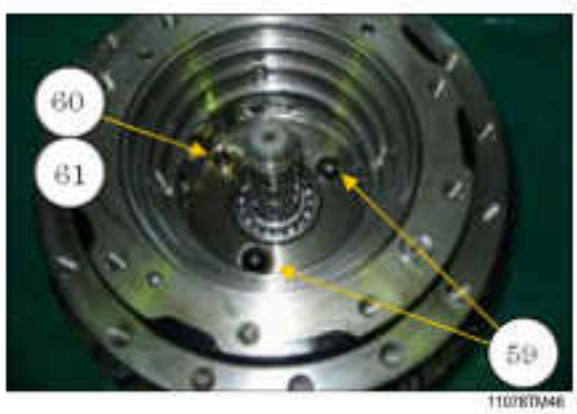
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(31) Remove cam(58) from the body casing.





(32) Remove two steel balls(59) and piston(60) from the body casing. Remove the spring(61) behind the piston.

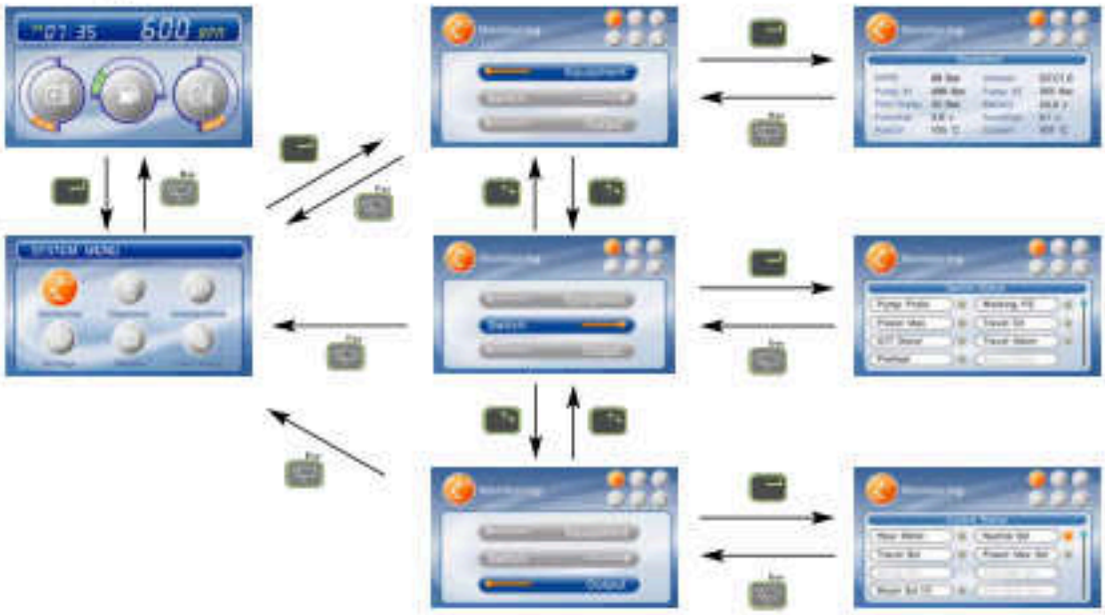




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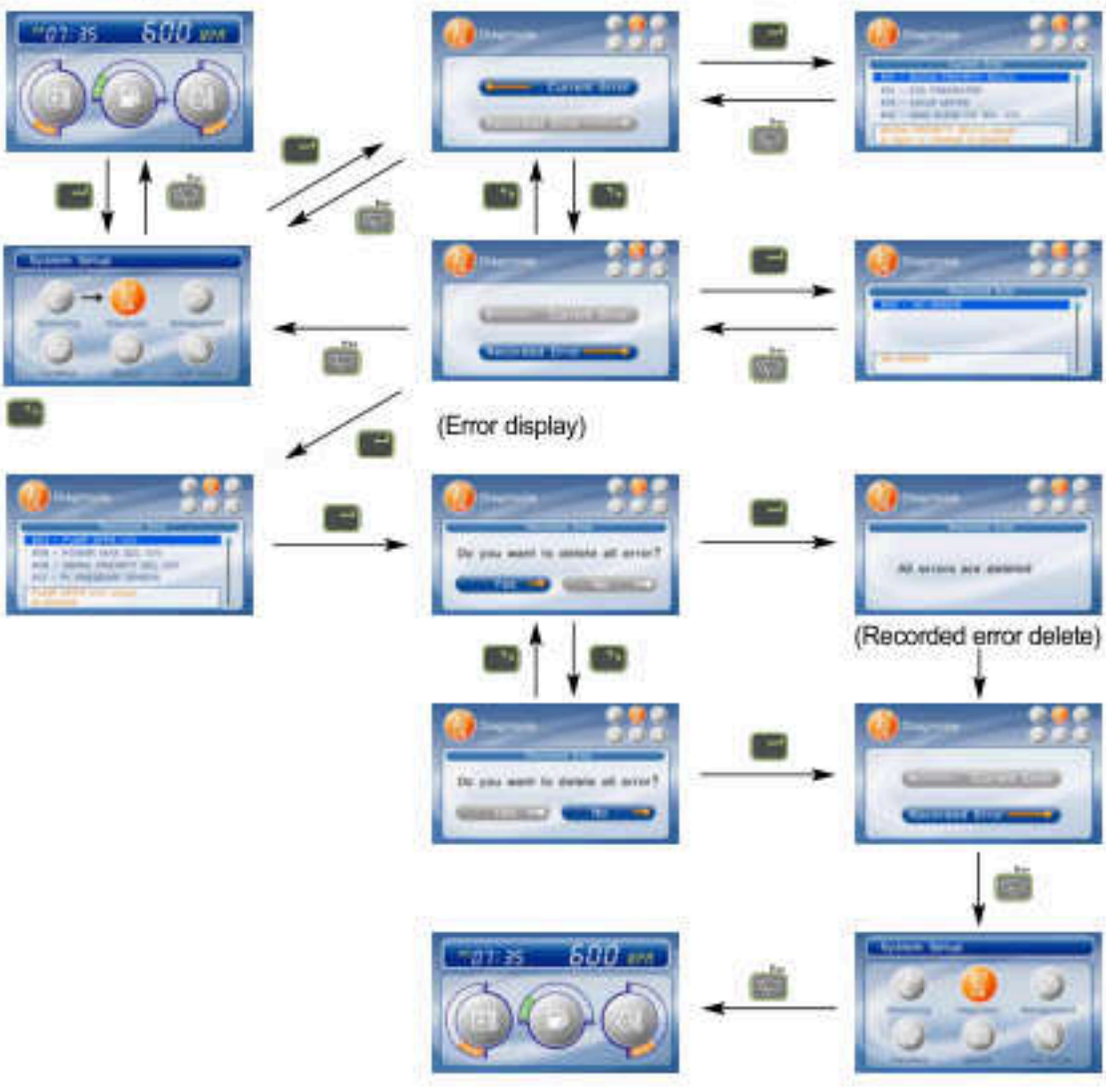
(2) Display map

① Monitoring

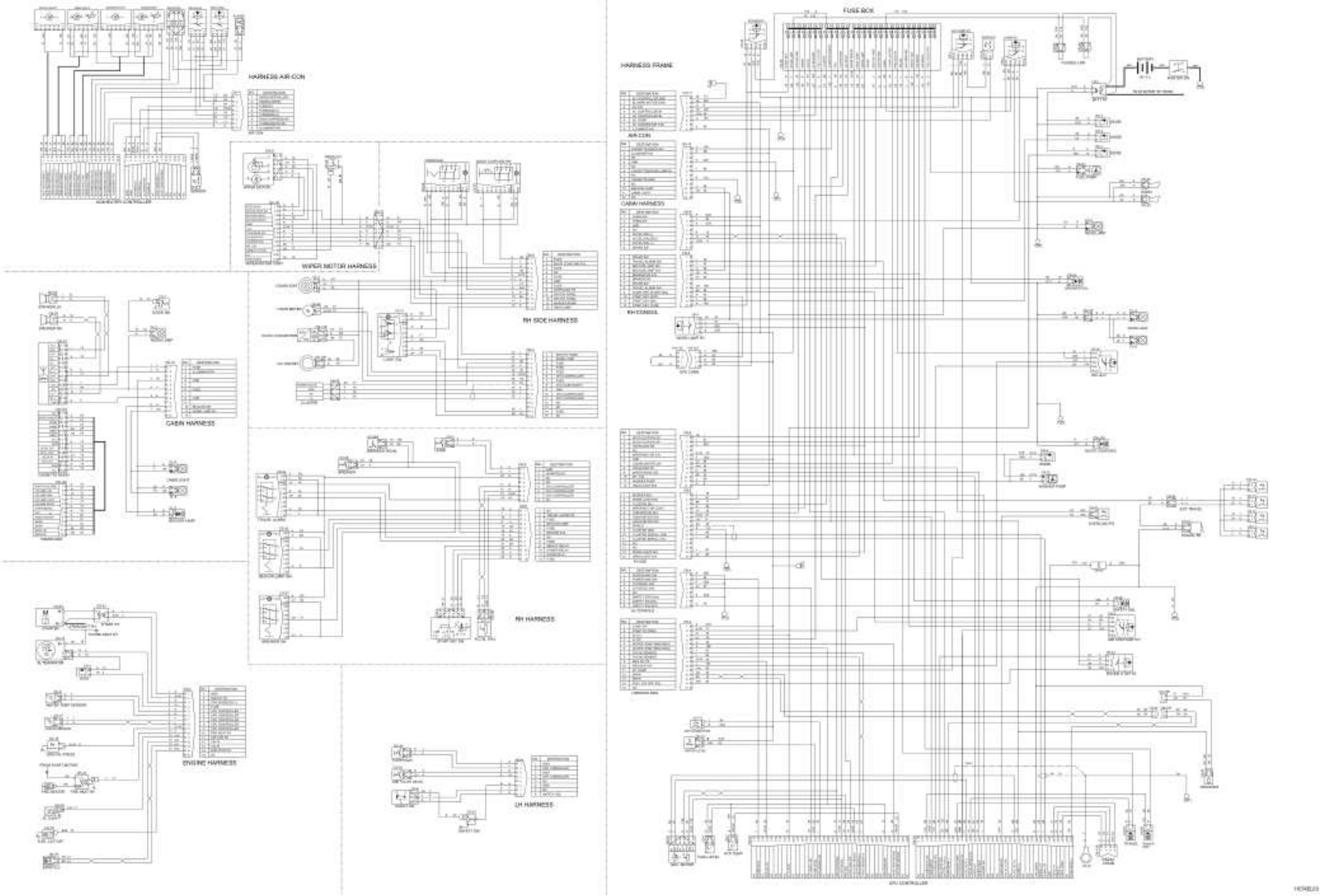


② Diagnosis

a. Protocol type 1



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