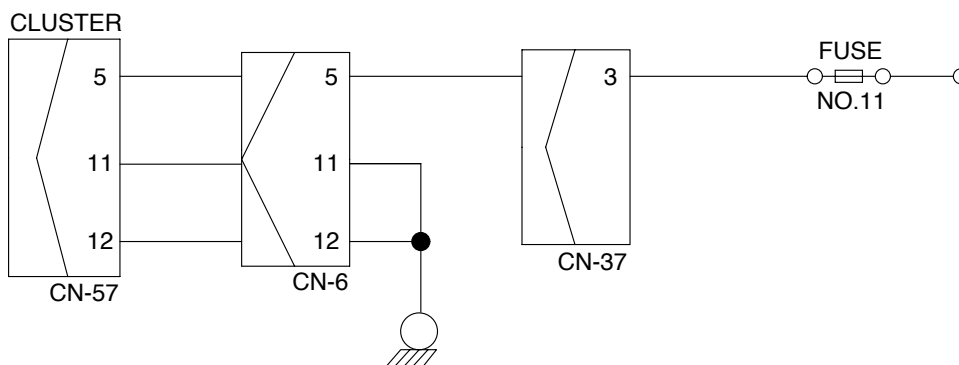
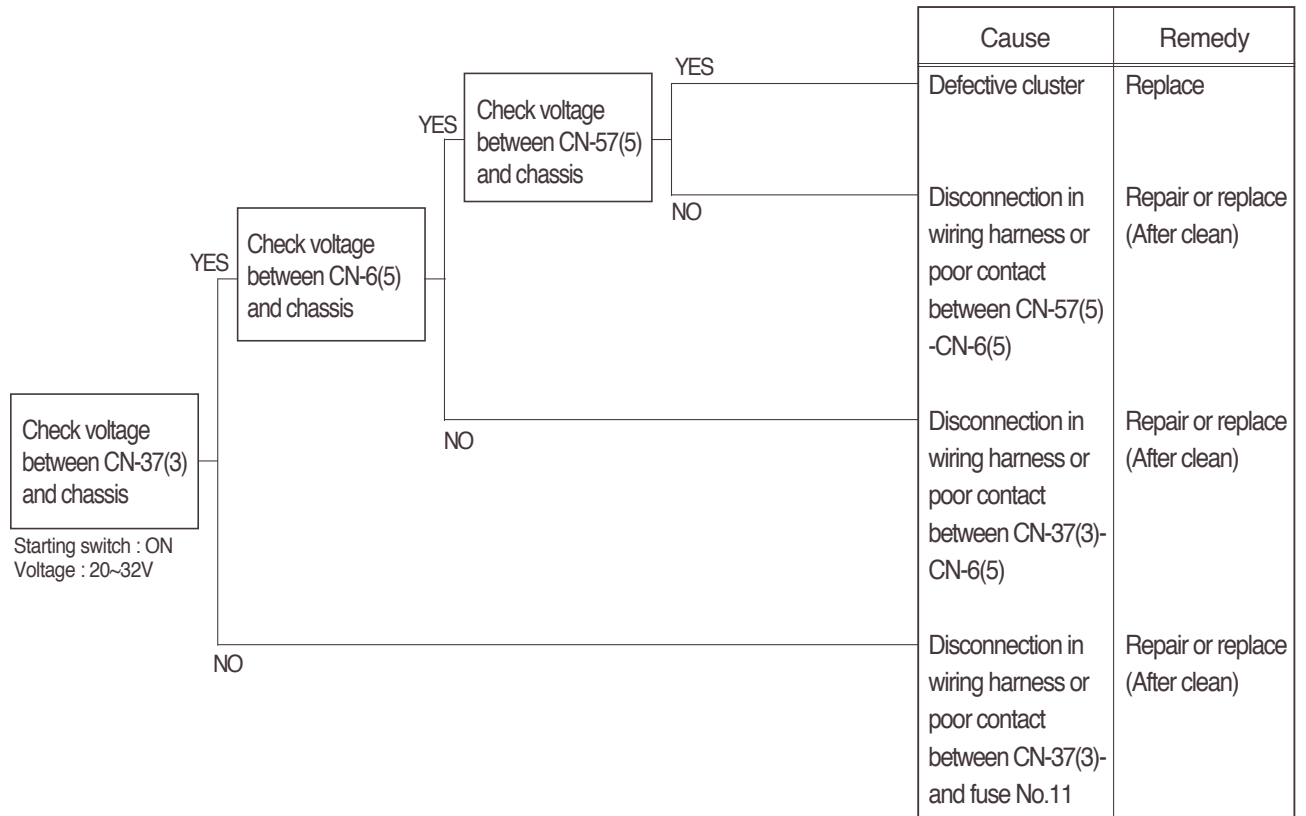


GROUP 3 ELECTRICAL SYSTEM

1. WHEN STARTING SWITCH IS TURNED ON, MONITOR PANEL DISPLAY DOES NOT APPEAR

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and the fuse No.11 is not blown out.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.

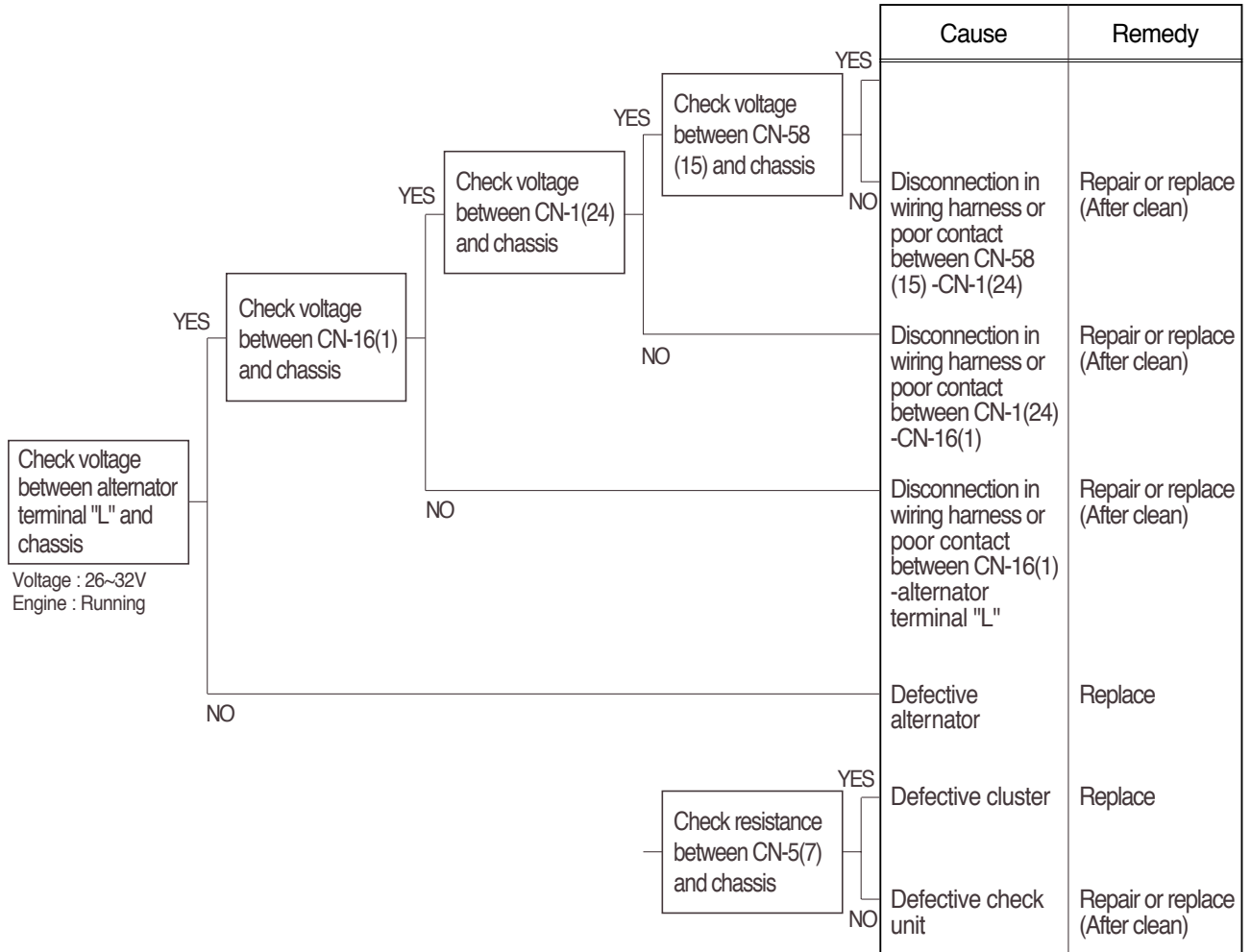


Check voltage

YES	20 ~ 32V
NO	0V

2. BATTERY CHARGING LAMP LIGHTS UP (Starting switch : ON)

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.

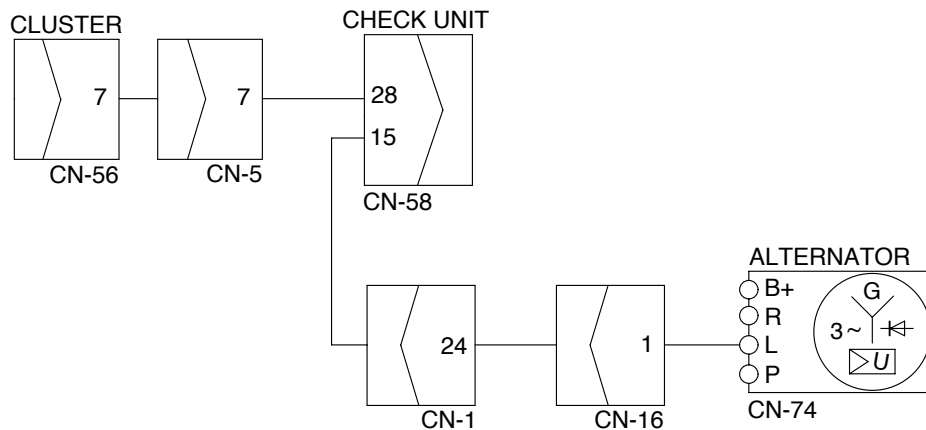


Check voltage

YES	26~32V
NO	0V

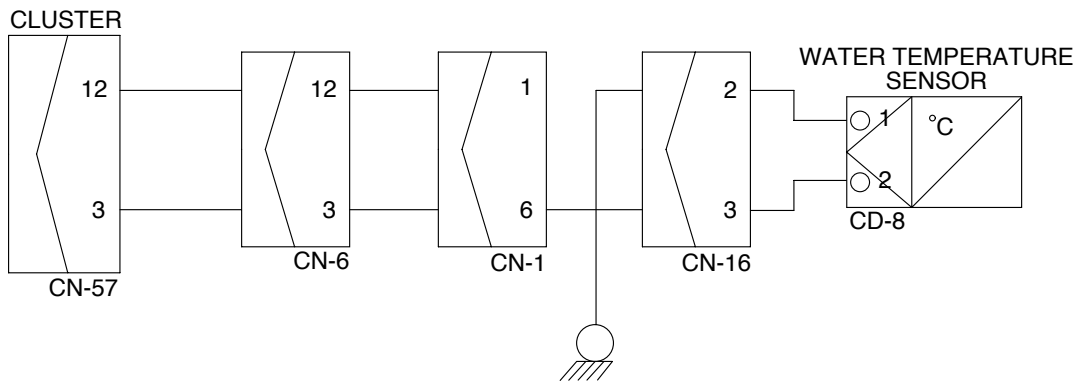
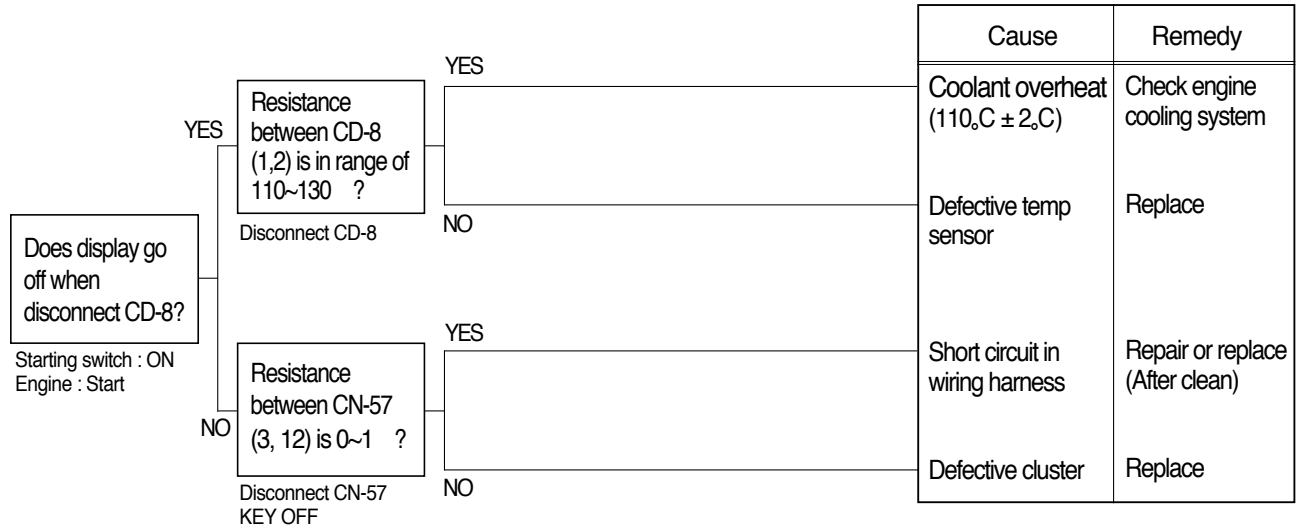
Check resistance

YES	MIN 1M
NO	MAX 1



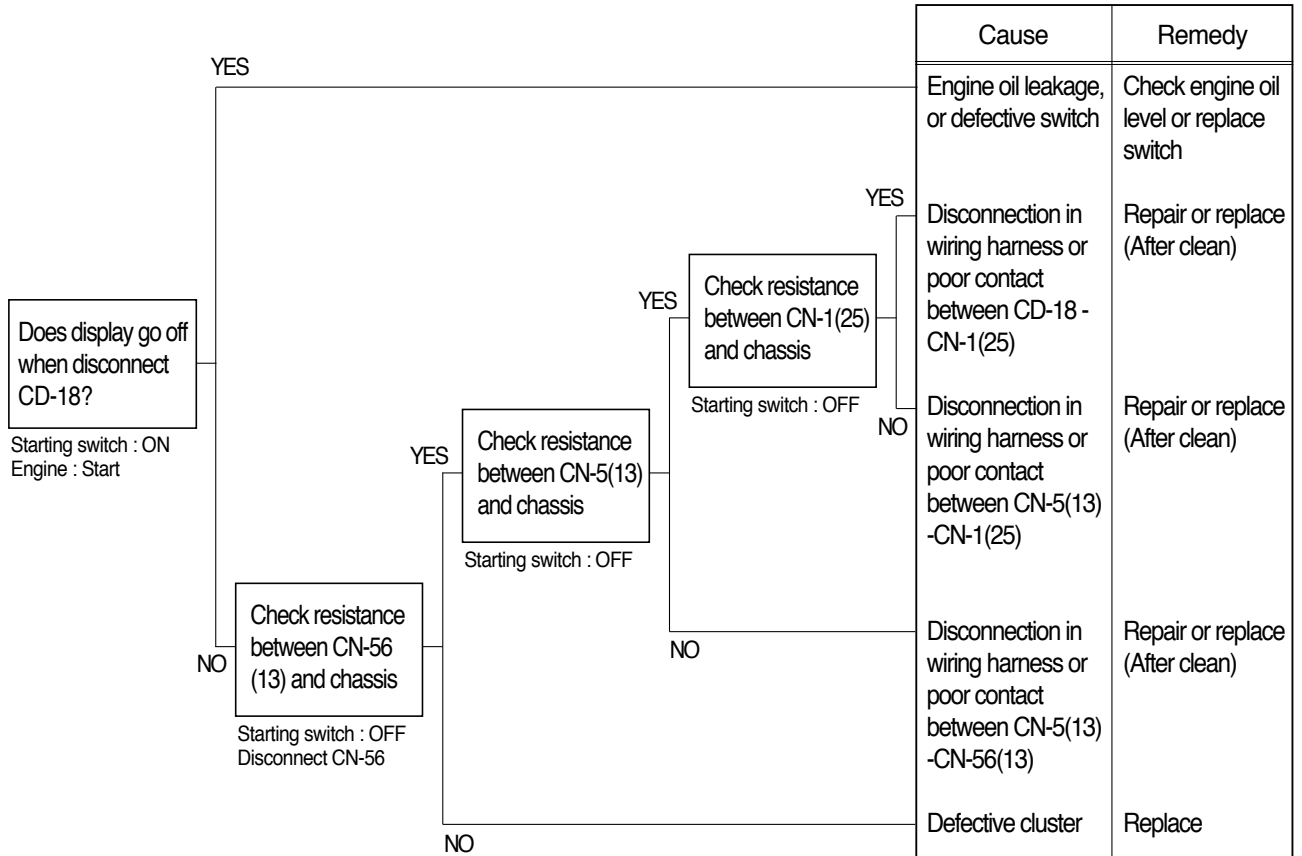
3. WHEN COOLANT OVERHEAT LAMP LIGHTS UP(Engine is started)

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



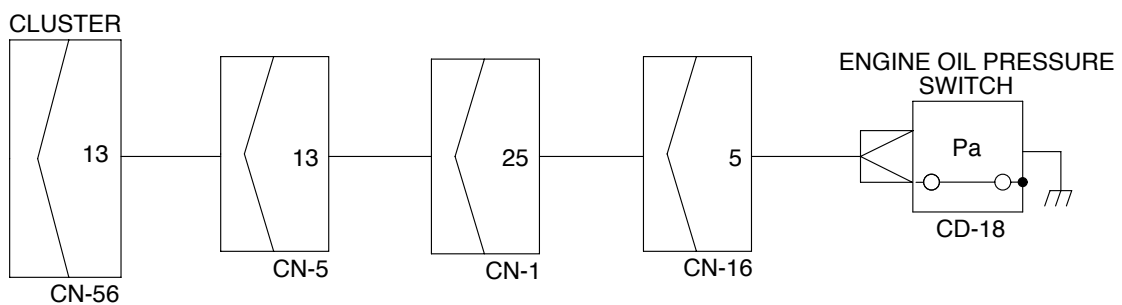
4. WHEN ENGINE OIL PRESSURE LAMP LIGHTS UP (Engine is started)

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



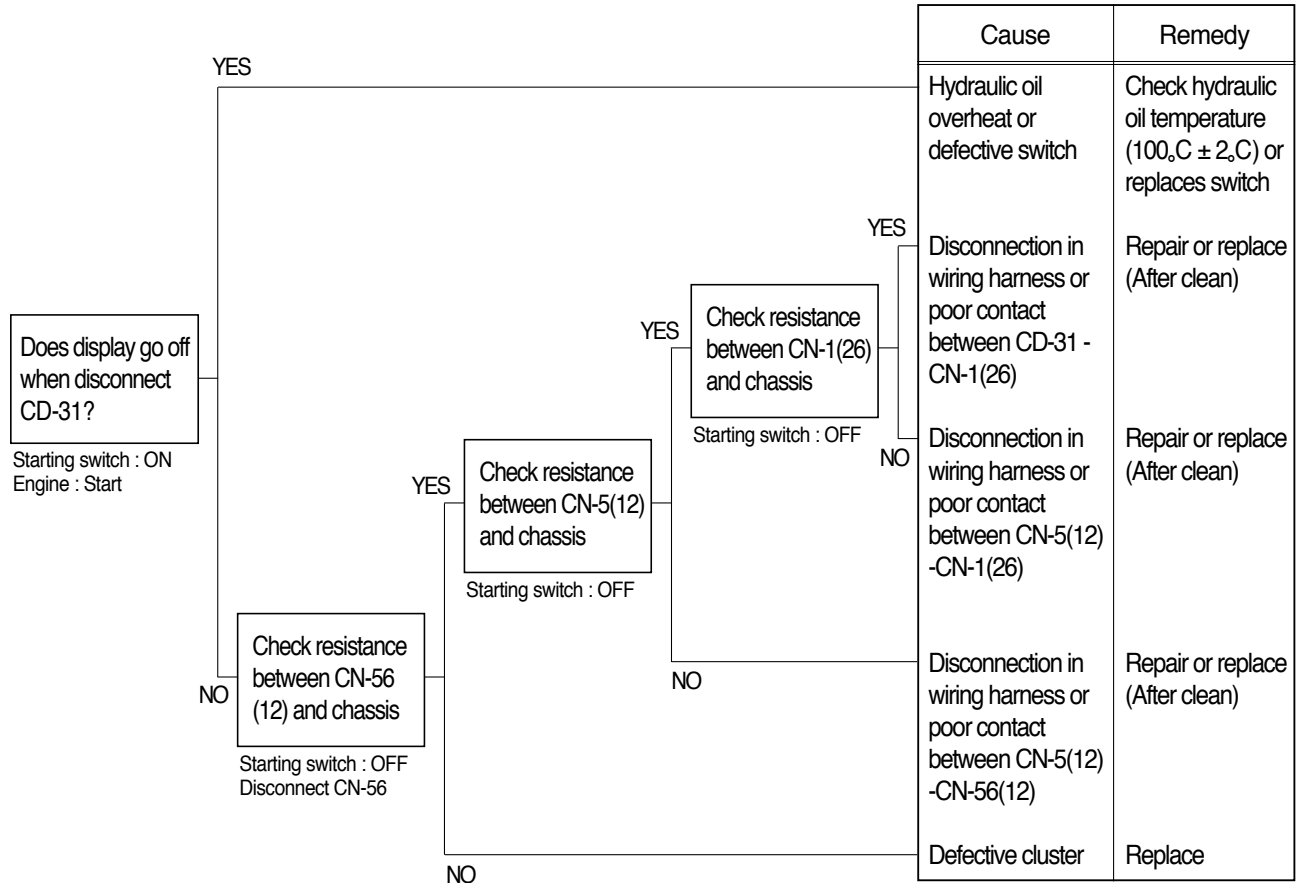
Check resistance

YES	MAX 1
NO	MIN 1M



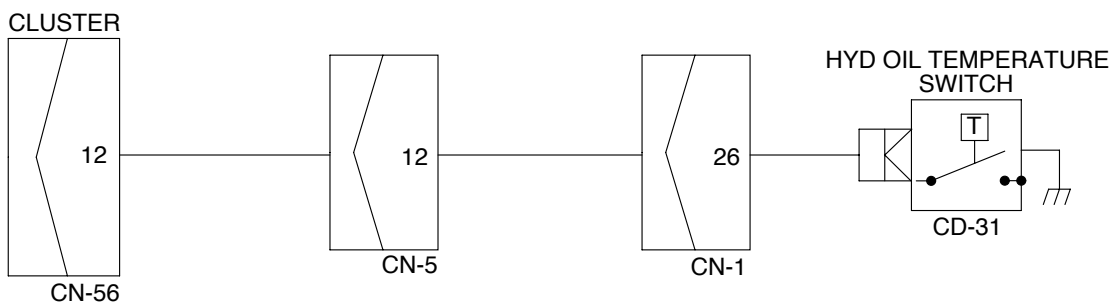
5.  **WHEN HYDRAULIC OIL TEMPERATURE LAMP LIGHTS UP**(Engine is started)

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



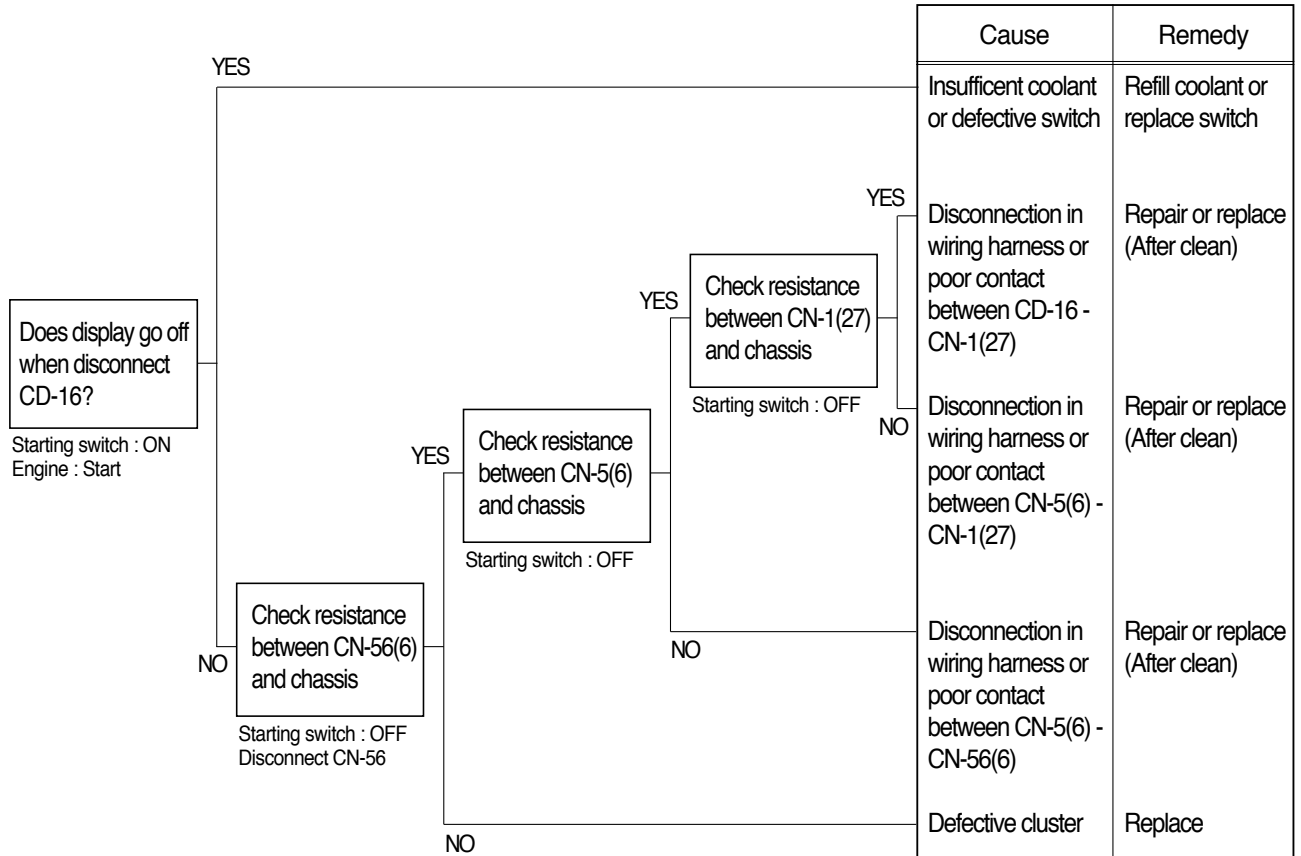
Check resistance

YES	MAX 1
NO	MIN 1M



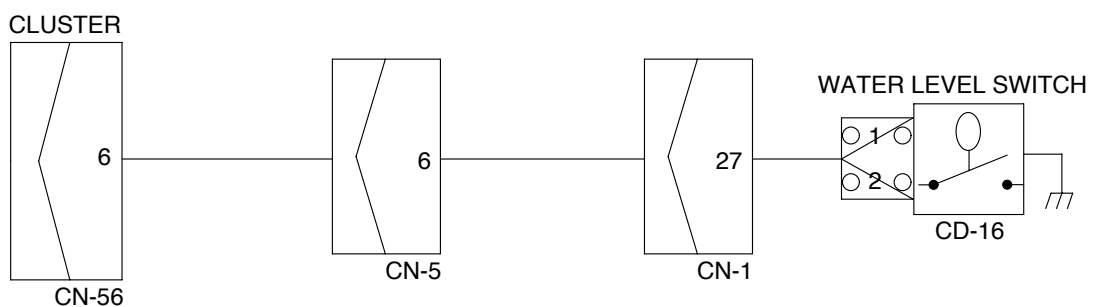
6. WHEN COOLANT LEVEL LAMP LIGHTS UP (Engine is started)

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



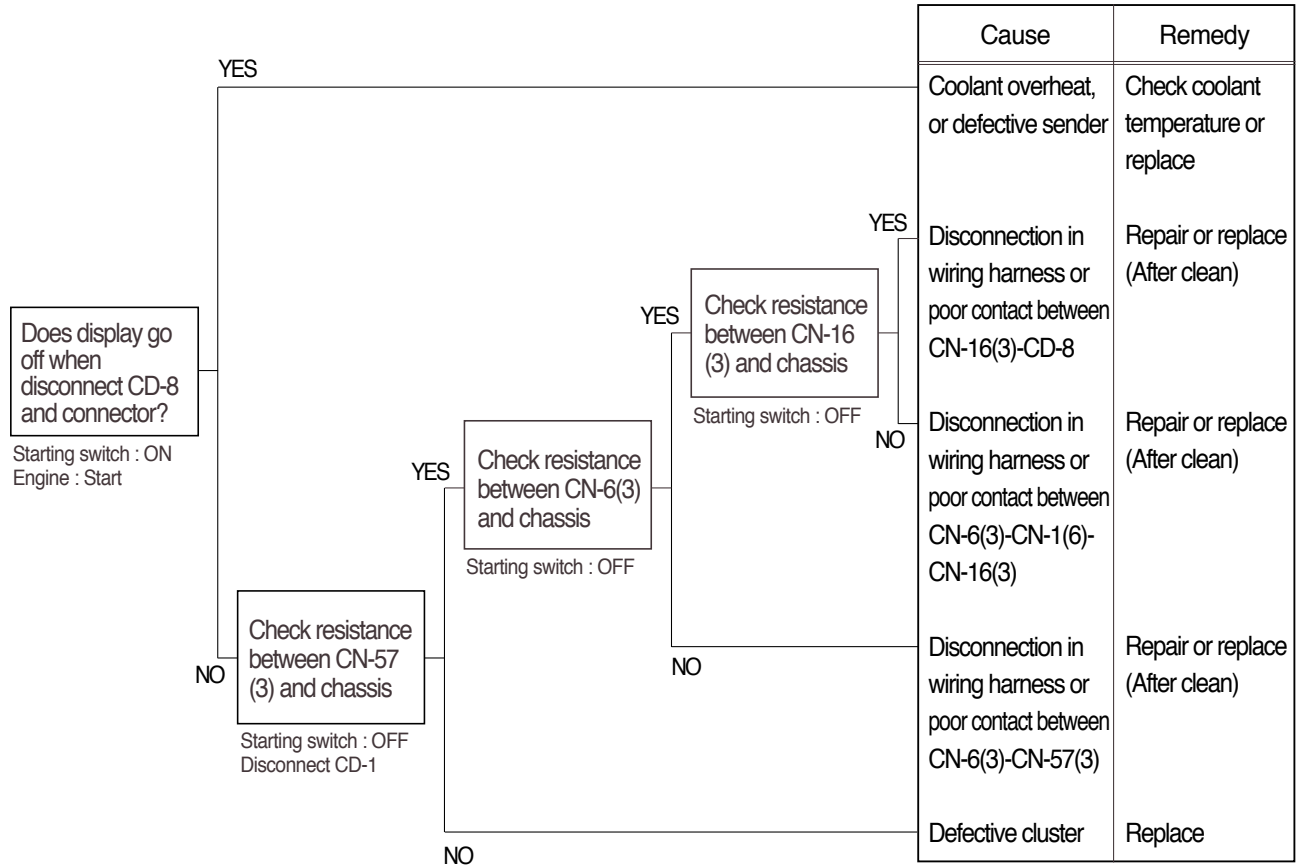
Check resistance

YES	MAX 1
NO	MIN 1M

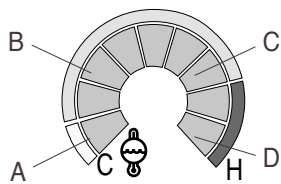


7. WHEN COOLANT TEMPERATURE GAUGE DOES NOT OPERATE

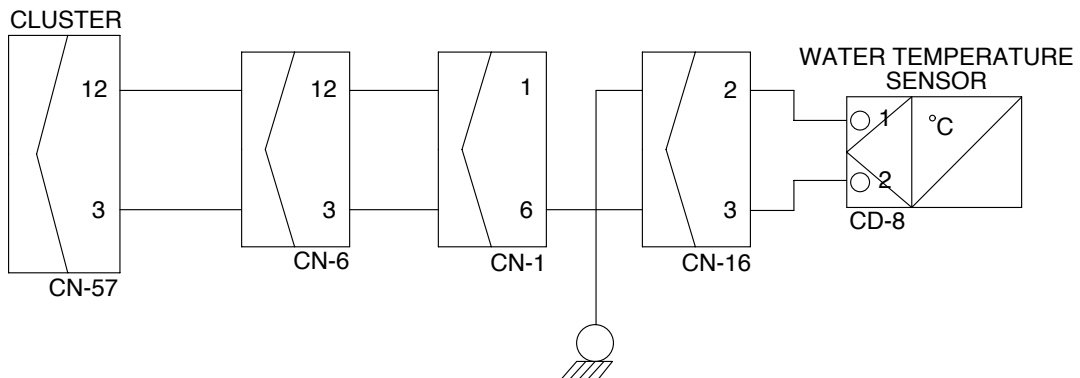
- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



Check Table

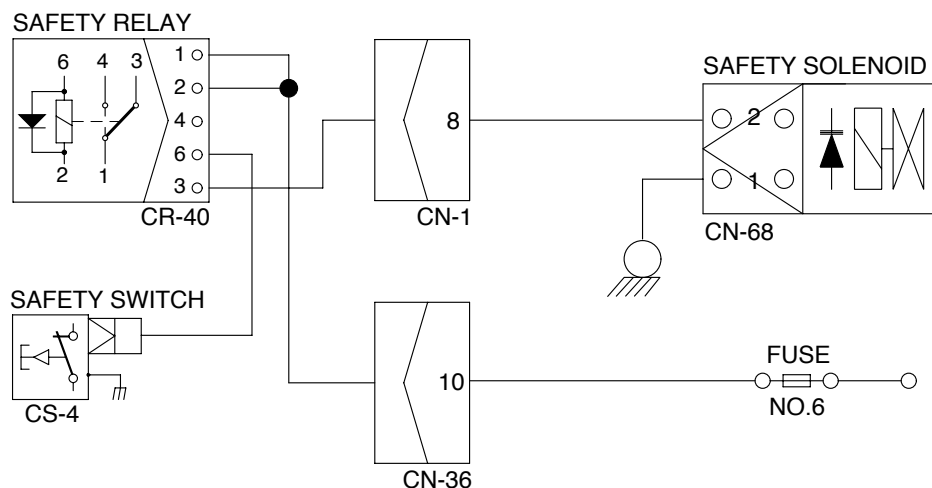
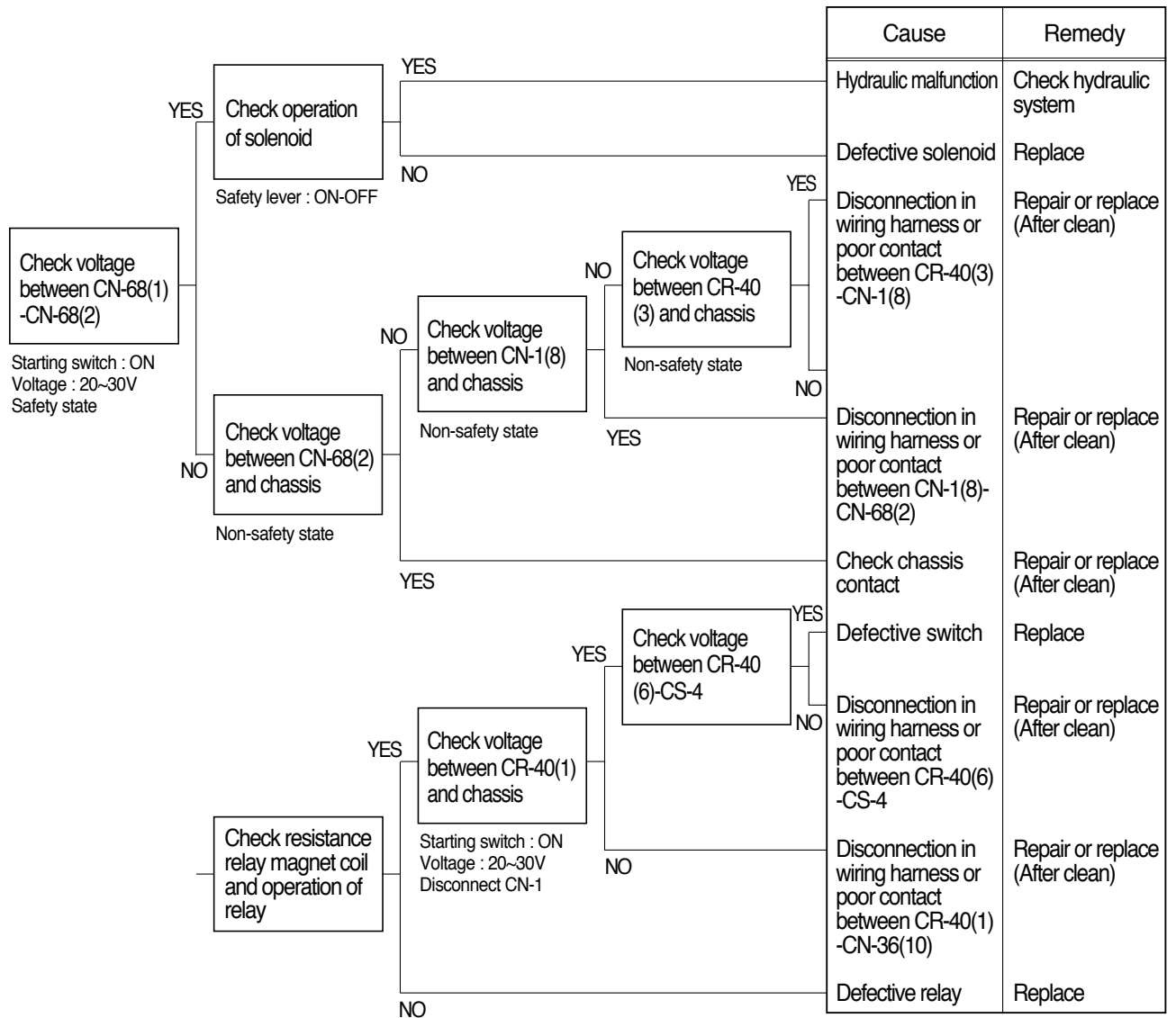


Temperature	A (40°C)	B (85°C)	C (105°C)	D (110°C)
Item				
Unit Resistance ()	1130	270	157	140
Tolerance	± 70	± 15	± 6	± 4



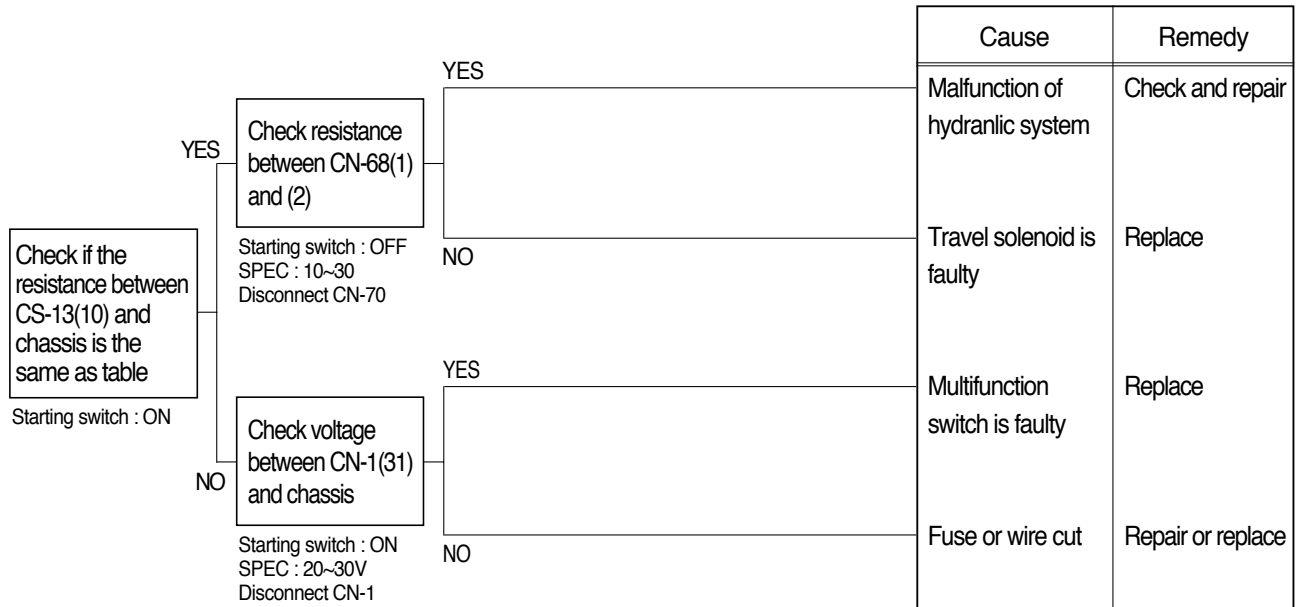
9. WHEN SAFETY SOLENOID DOES NOT OPERATE

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and the fuse No.6 is not blown out.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



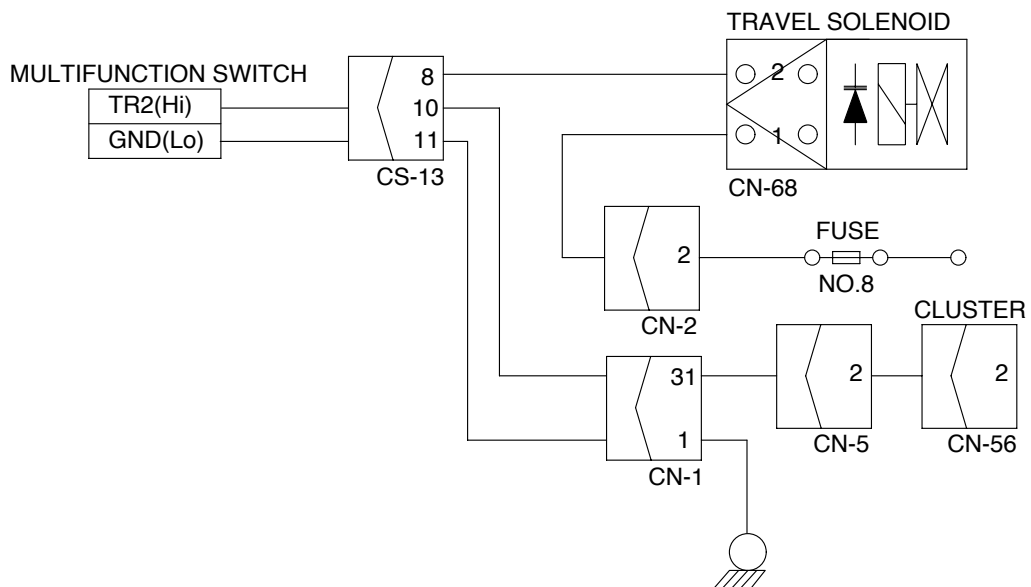
10. WHEN TRAVEL SPEED LOW, HIGH DOES NOT OPERATE

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and the fuse No.8 is not blown out.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



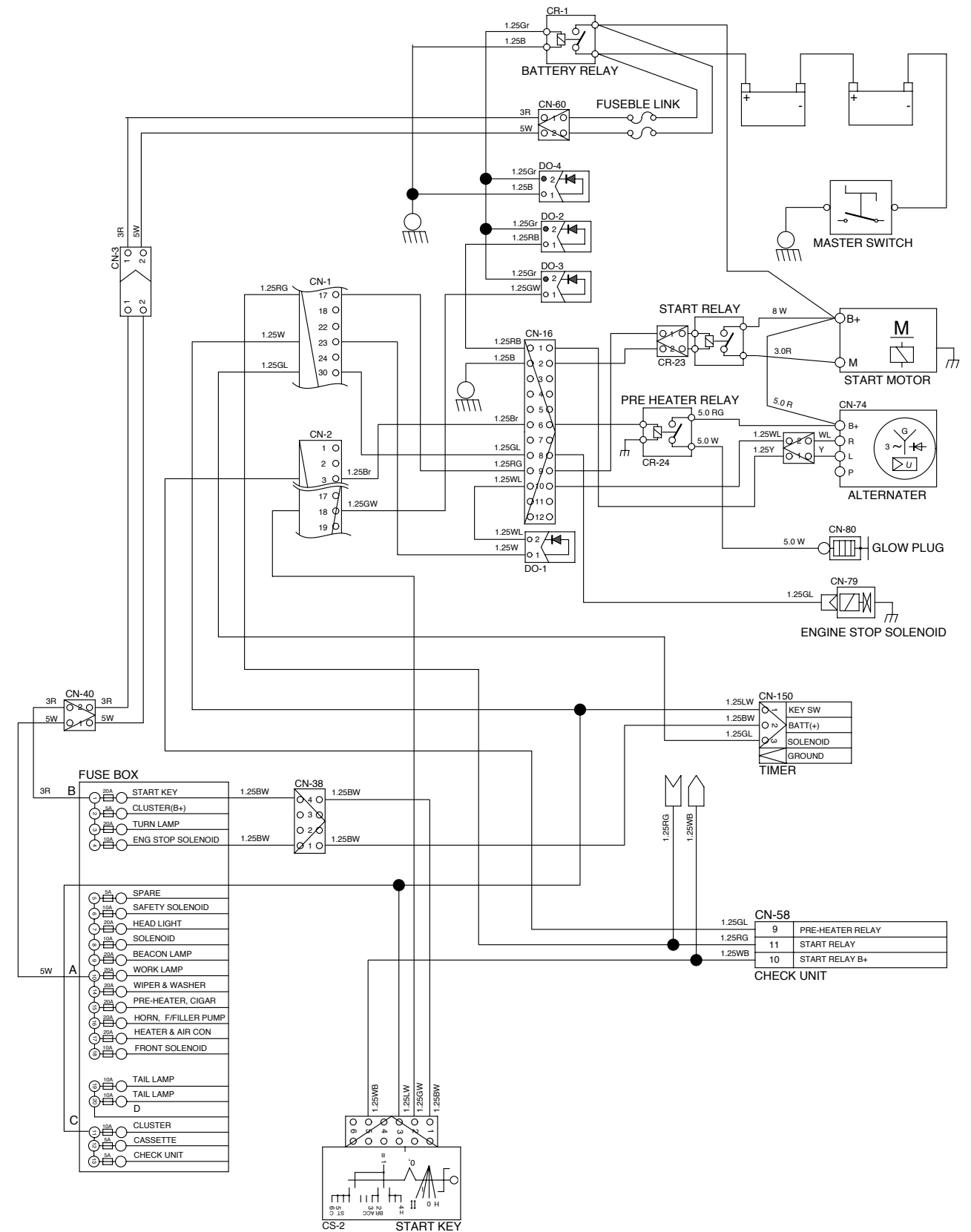
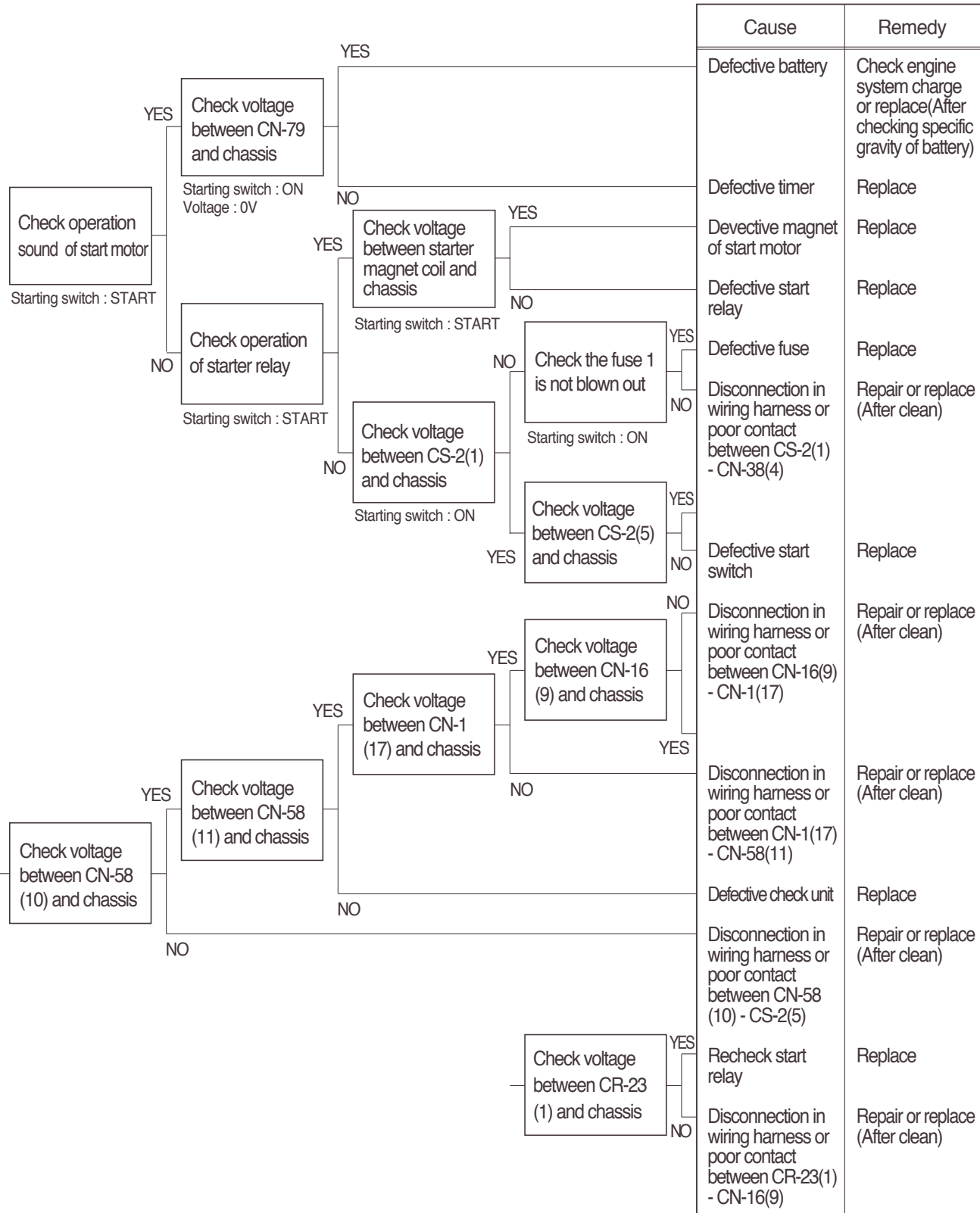
Check Table

Condition	Multifunction switch	
	Lo(Turtle)	Hi(Rabit)
Resistance between CS-13(10) and chassis	MIN 1M	MAX 1



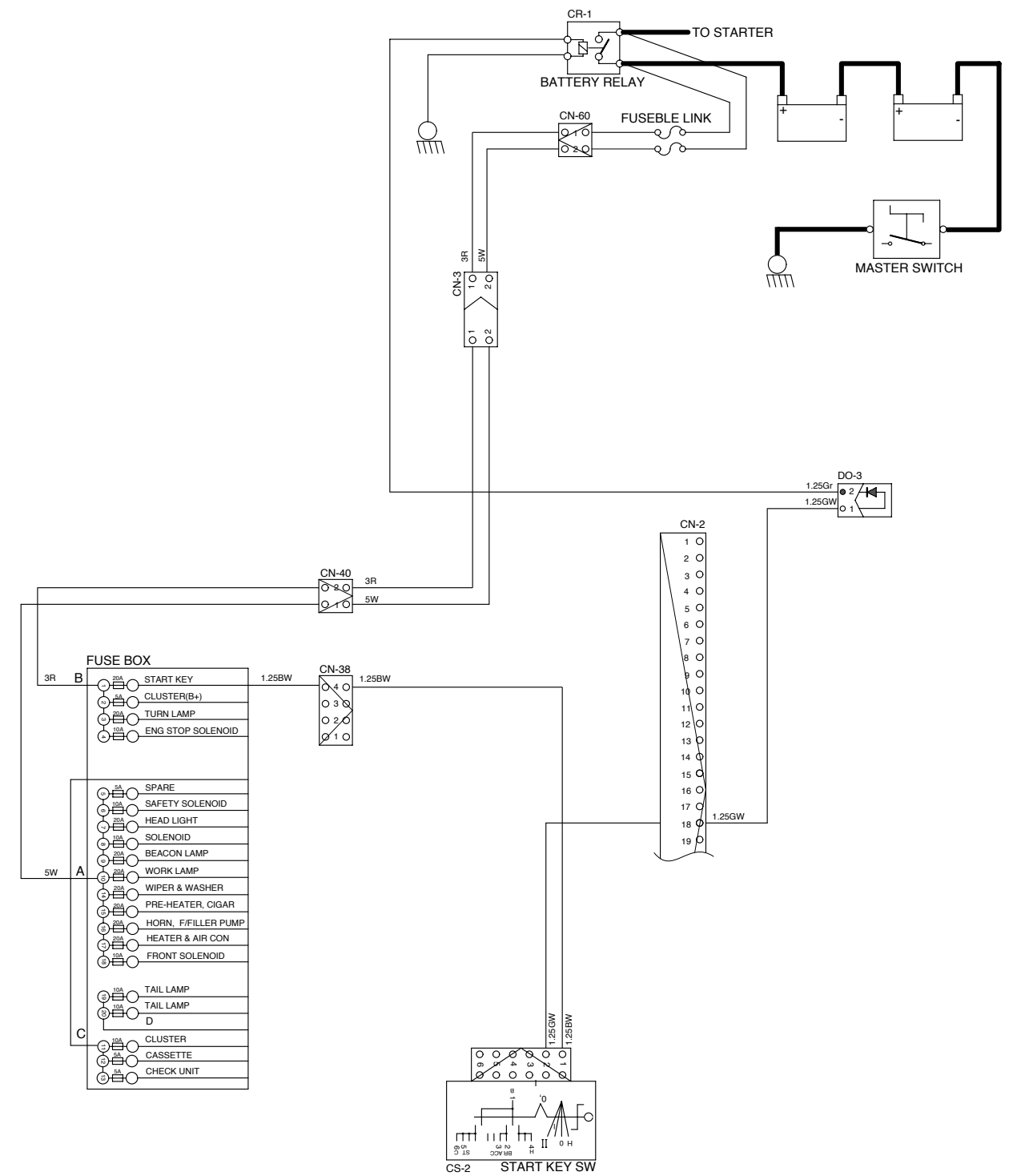
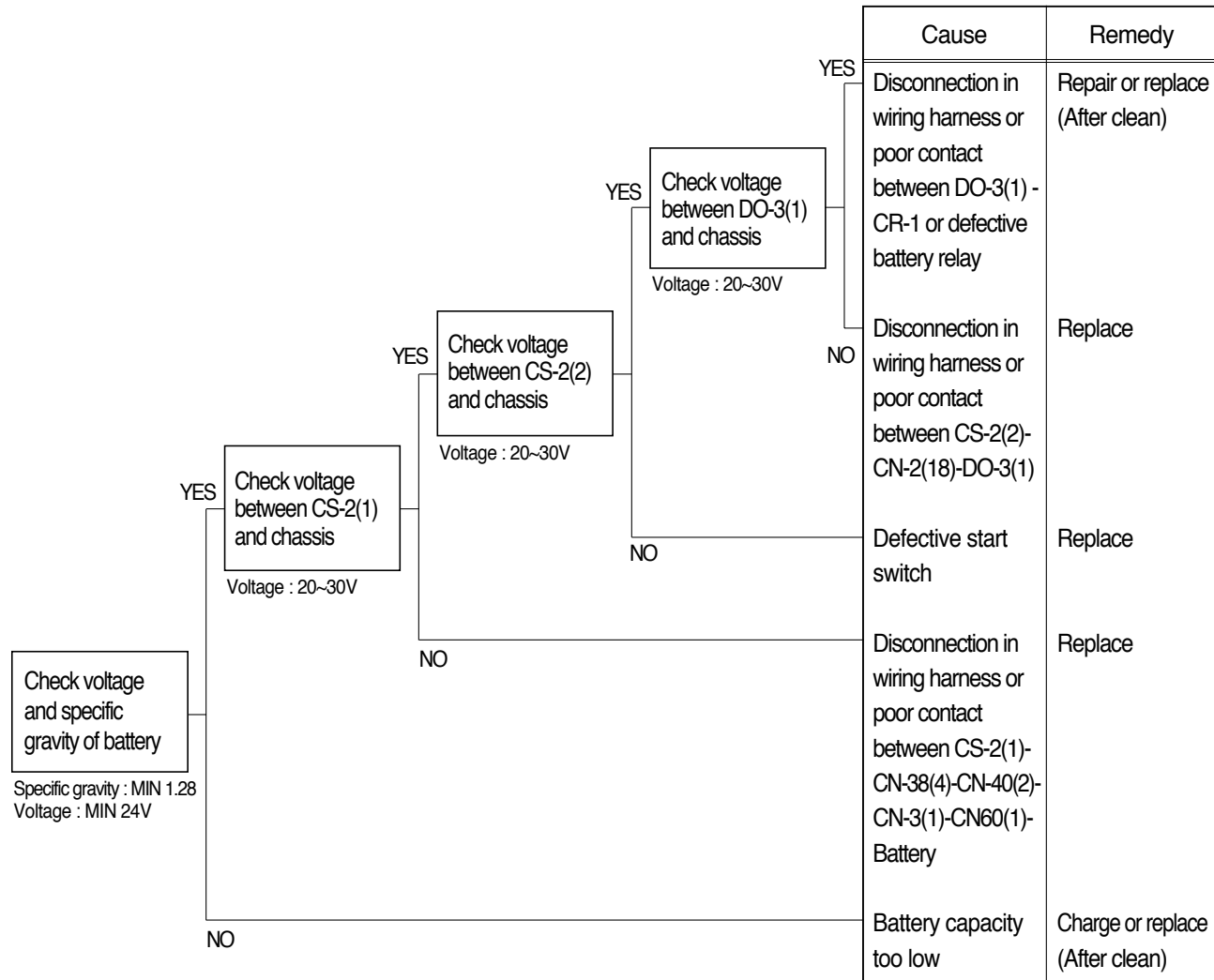
11. WHEN ENGINE DOES NOT START

- Check supply of the power at engine stop solenoid while starting switch is ON.
- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted. Also, check travel Forward / Reverse switch is placed at Neutral position.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



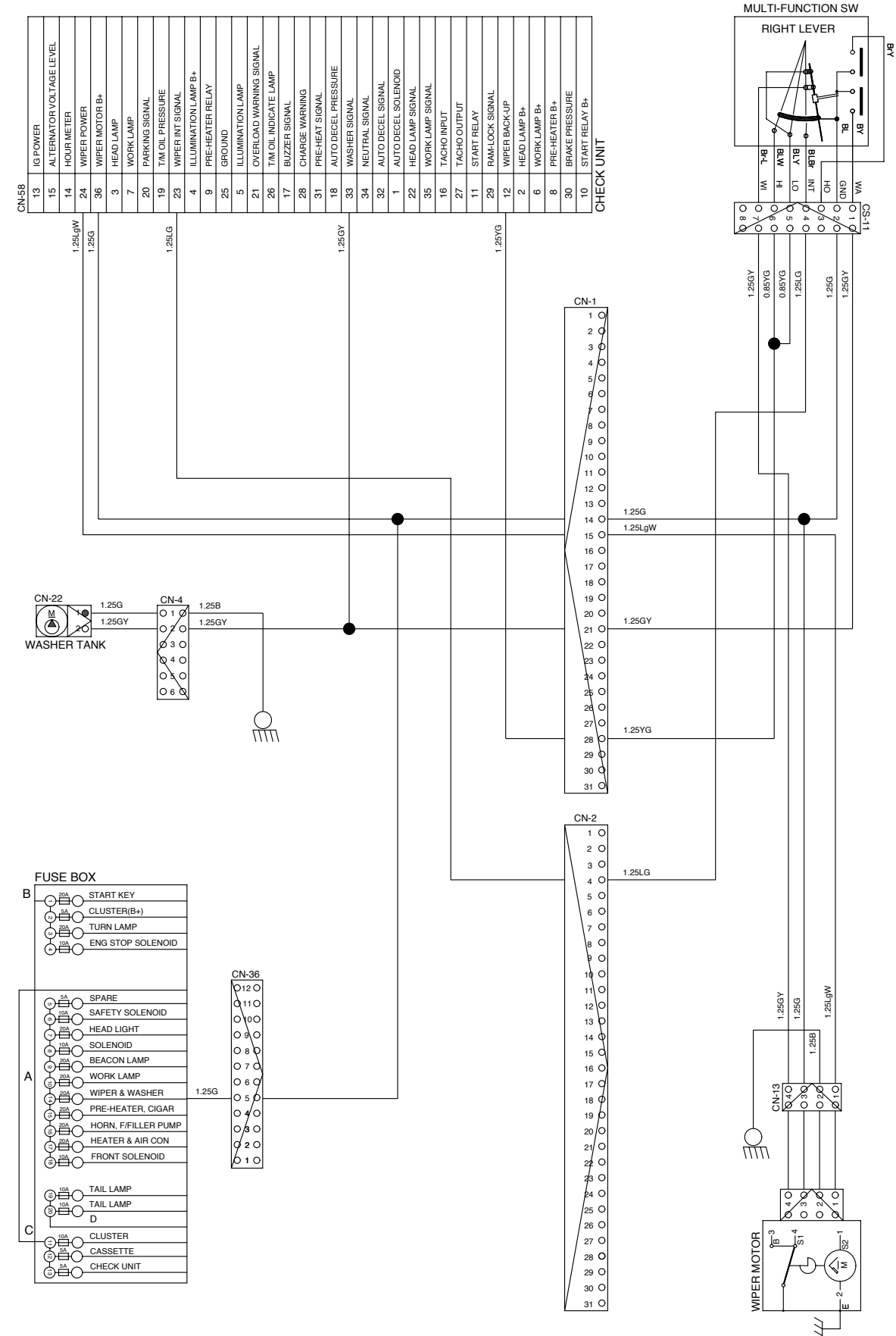
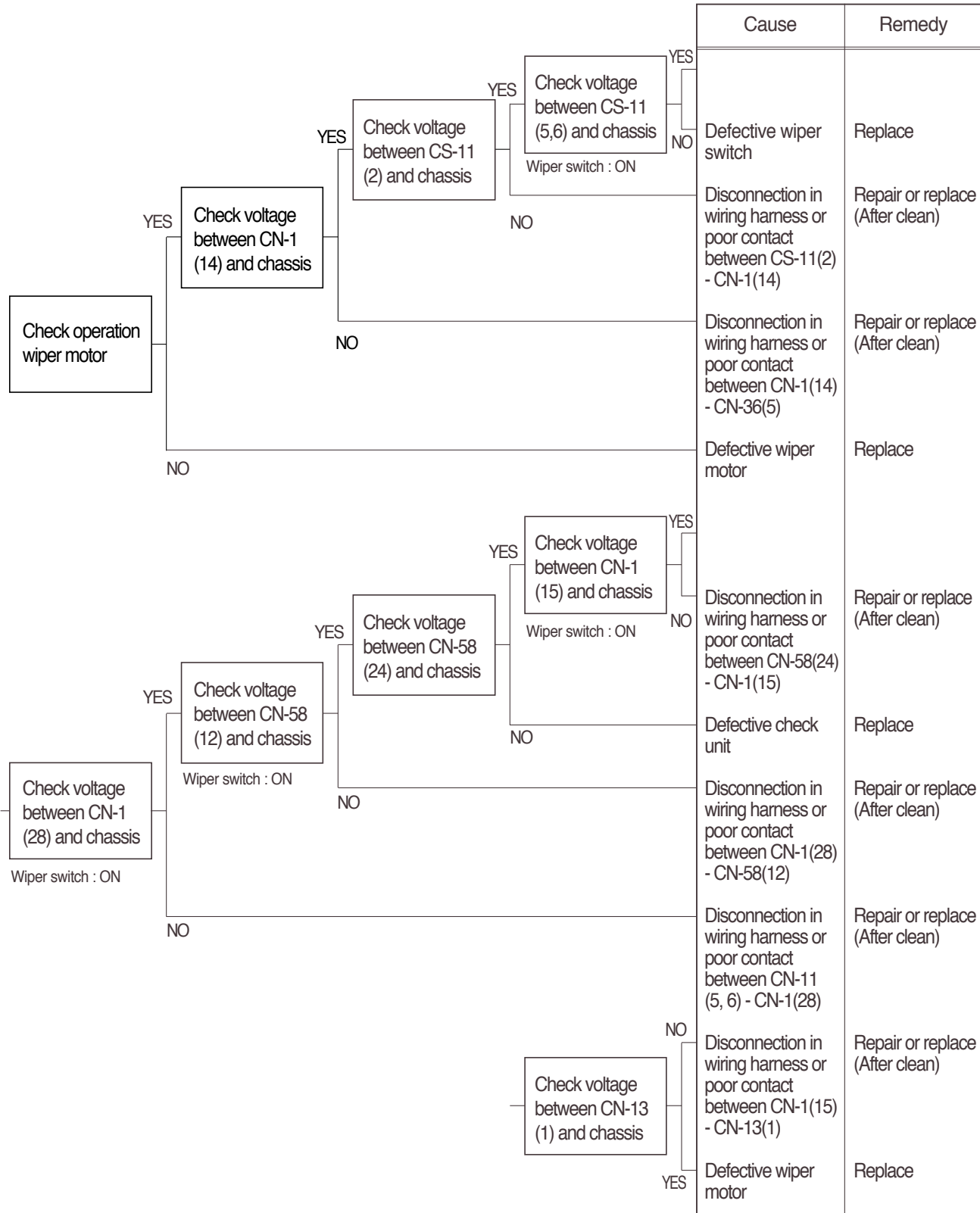
12. WHEN STARTING SWITCH ON DOES NOT OPERATE

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



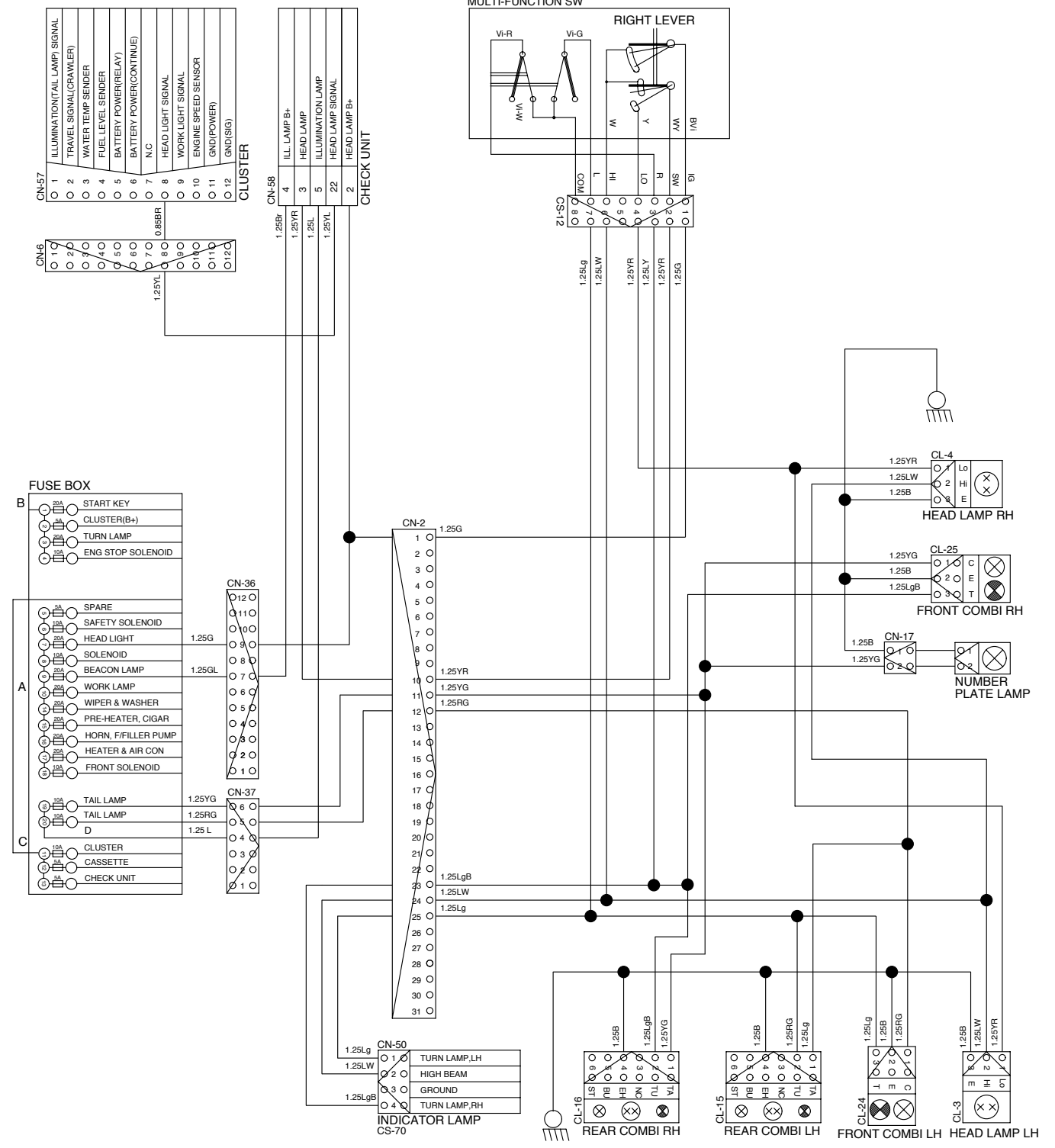
13. WIPER MOTOR DOES NOT OPERATE

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and the fuse No.10 is not blown out.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



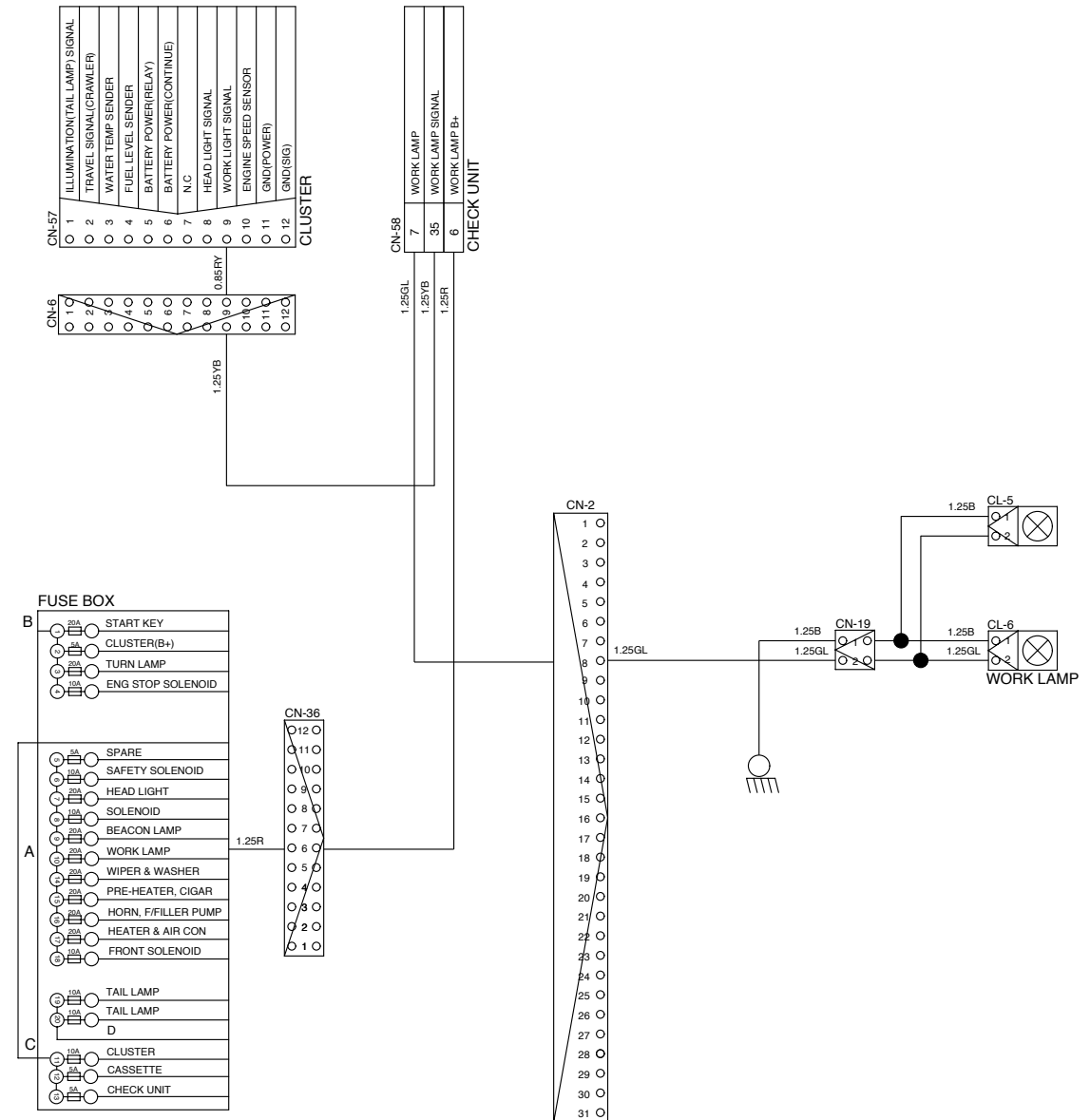
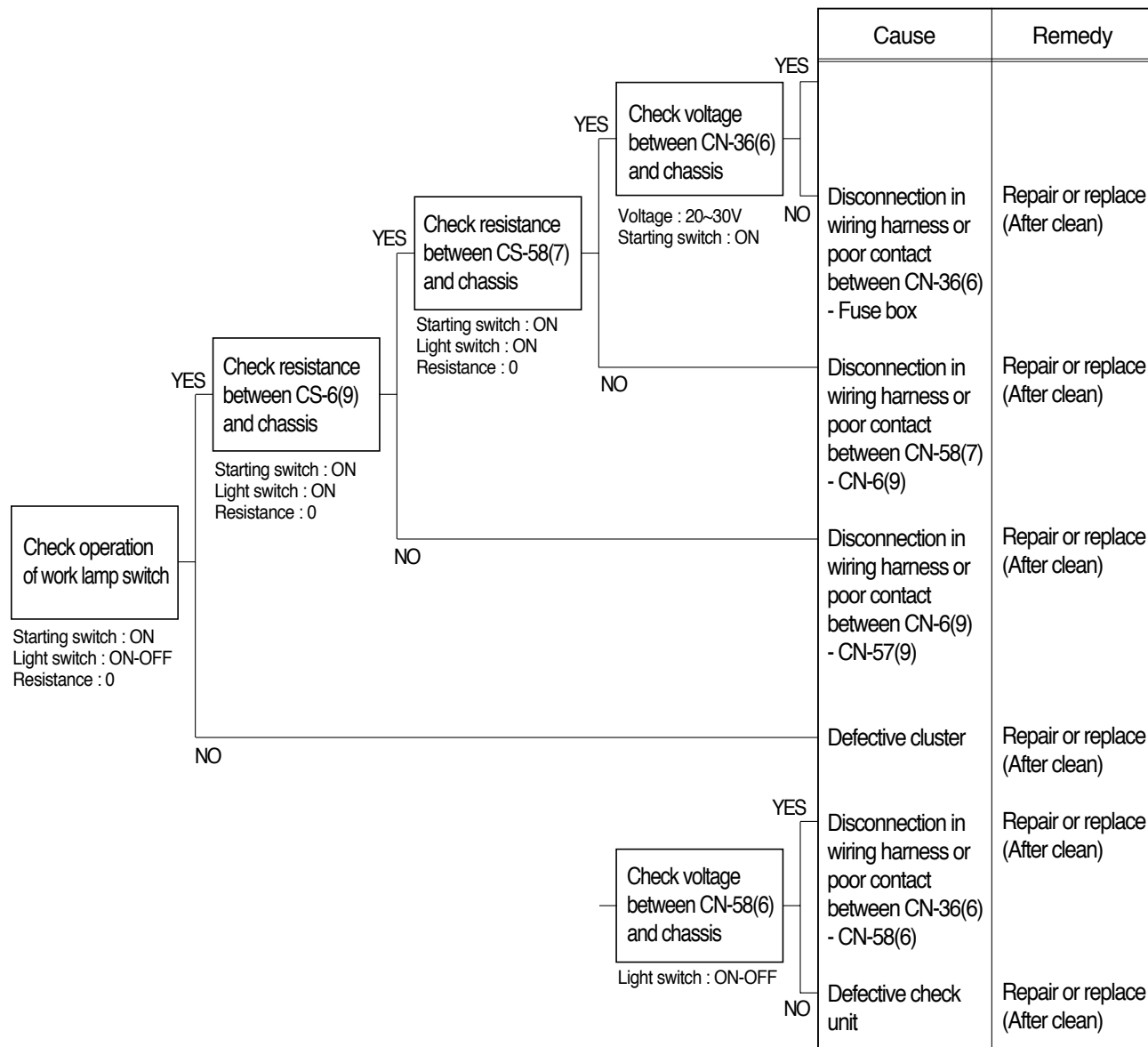
HEAD LAMP DOES NOT LIGHTS UP(2/2)

		Cause	Remedy
Check voltage between CN-2(1) and chassis	YES	Defective multifunction switch	Replace
	NO		
Check voltage between CS-12(1) and chassis	YES	Disconnection in wiring harness or poor contact between CN-2(1) - CN-36(9)	Repair or replace (After clean)
	NO		
Check voltage between CN-2(11,12) and chassis	YES	Defective CL-16, CL-25(1) bulbs	Replace
	NO		
Check voltage between CN-37(5,6) and chassis	YES	Recheck fuse 19,20	Replace
	NO		
Check voltage between CL-4(1), CL-3(1) and chassis	YES	Defective CL-4 and CL-3 bulbs	Replace
	NO		
Check voltage between CS-12(4) and chassis	YES	Defective head lamp bulb	Replace
	NO		
Check voltage between CL-4(2), CL-3(2) and chassis	YES	Disconnection in wiring harness or poor contact between CN-2(24) -CN-50(2)	Repair or replace (After clean)
	NO		
Check voltage between CN-50(2) and chassis	YES	Disconnection in wiring harness or poor contact between CN-2(24) -CN-50(2)	Repair or replace (After clean)
	NO		
Check voltage between CL-2(24) and chassis	YES	Disconnection in wiring harness or poor contact between CN-2(24) -CN-50(2)	Repair or replace (After clean)
	NO		



15. WORK LAMP DOES NOT LIGHT UP

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and fuse No.10 and work lamp bulb are not blown out.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.



16. COMBI LAMP DOES NOT LIGHT UP

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and the fuse No.3 and bulb are not blown out.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.

