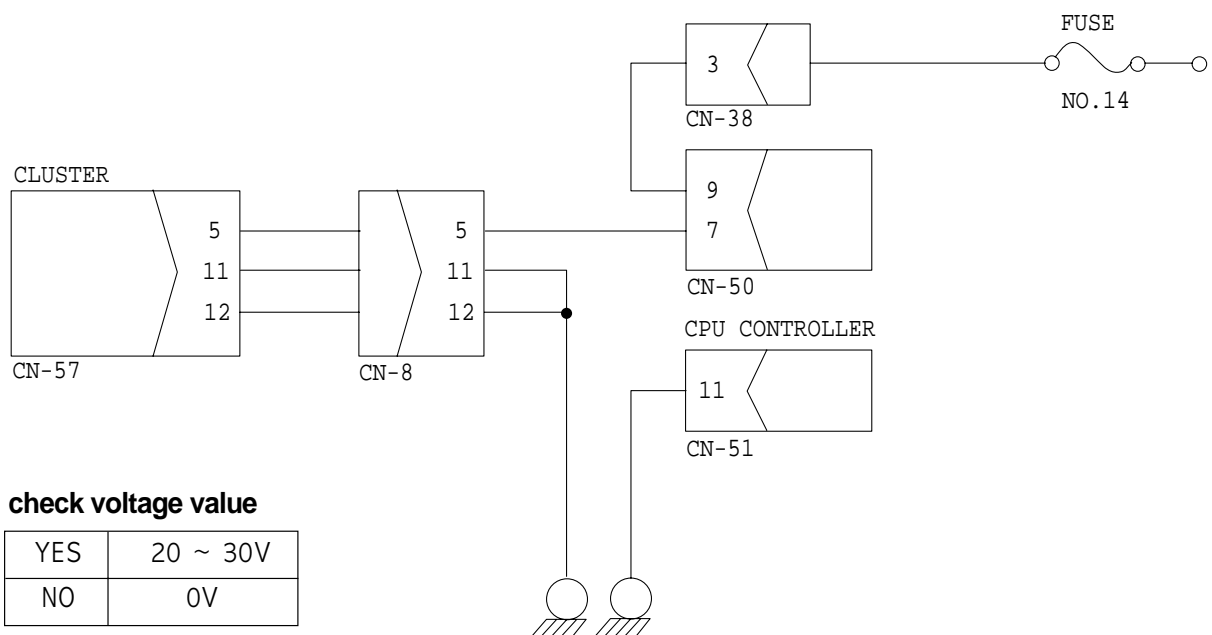
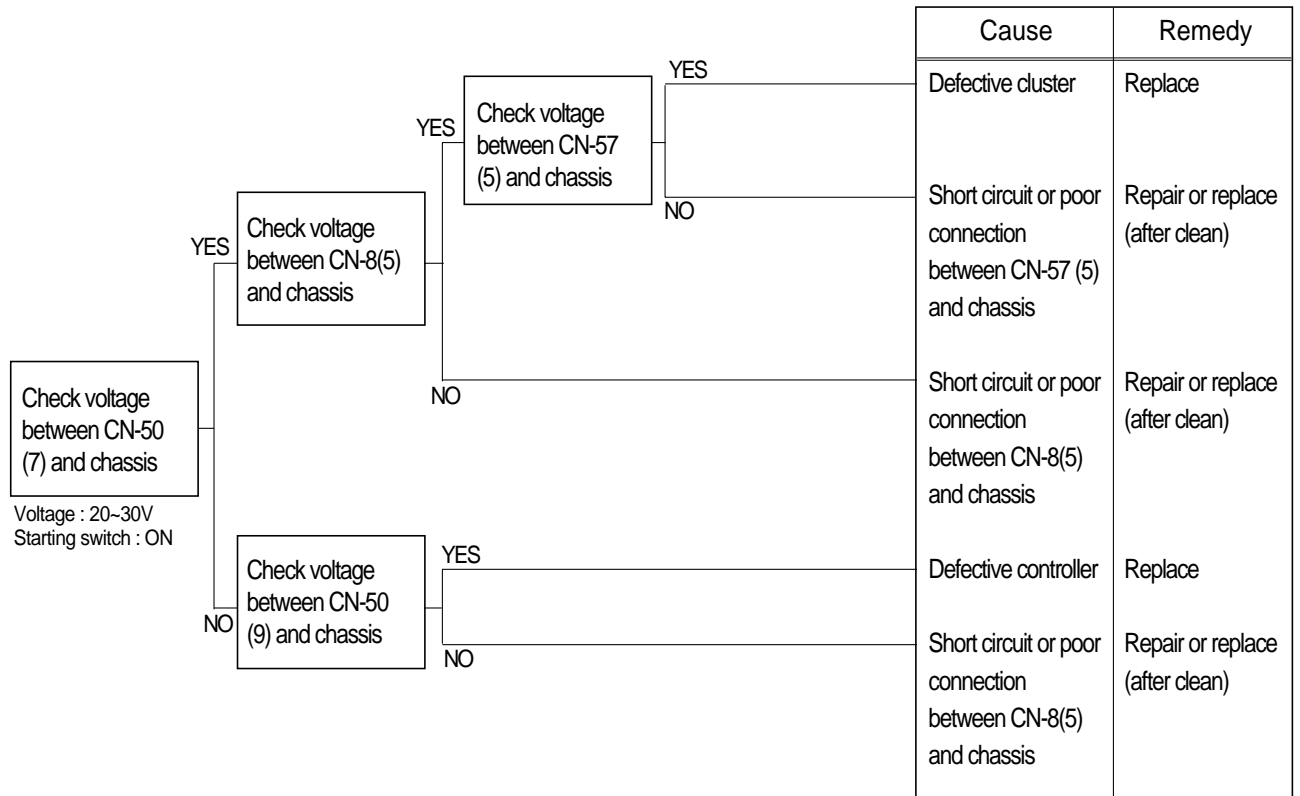


GROUP 2 ELECTRICAL SYSTEM

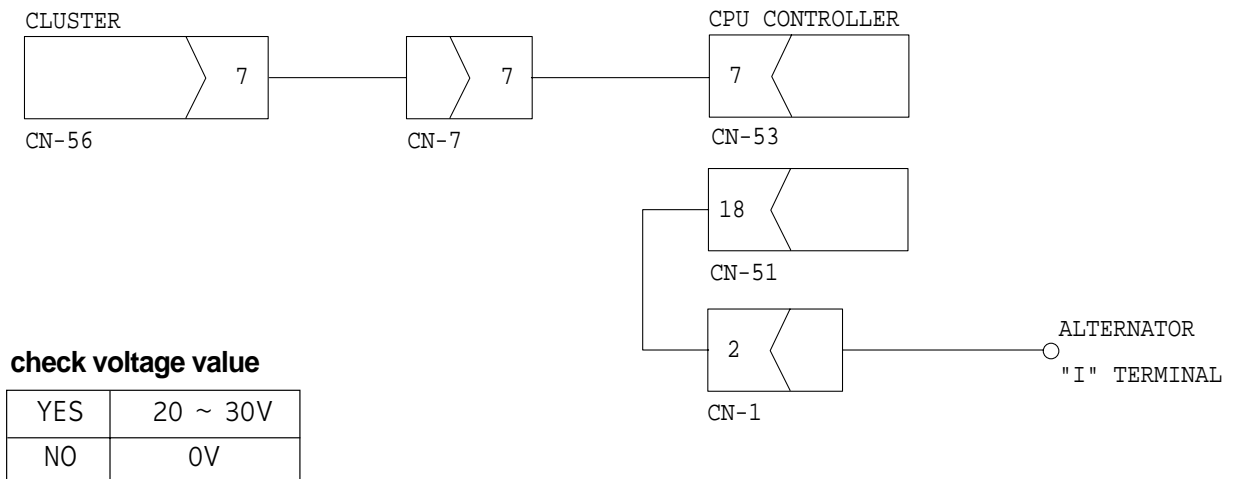
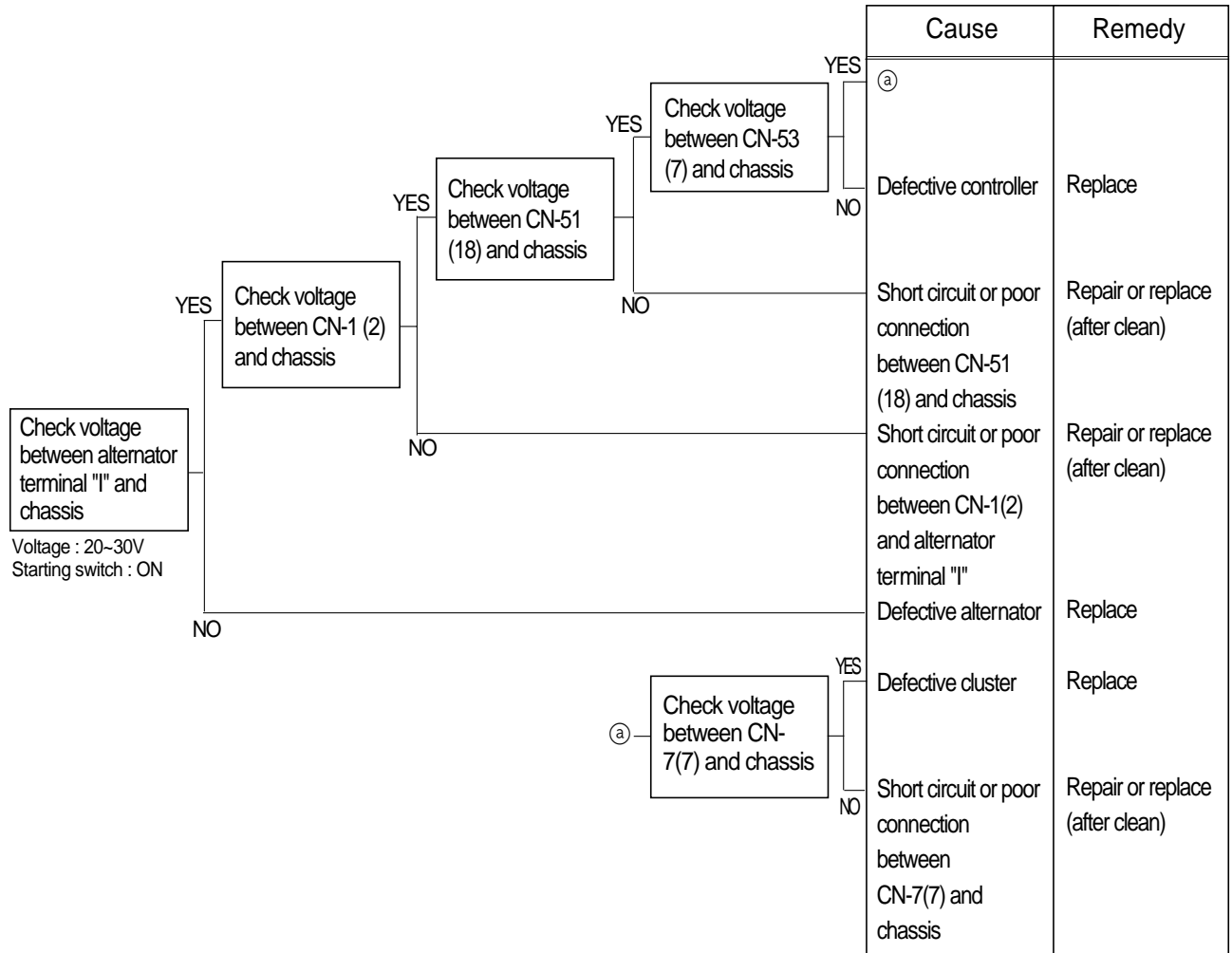
1. WHEN STARTING SWITCH IS TURNED ON, MONITOR PANEL DISPLAY DOES NOT APPEAR

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and short of fuse No. 14.
- After checking, connect the disconnected connectors again immediately unless otherwise specified.



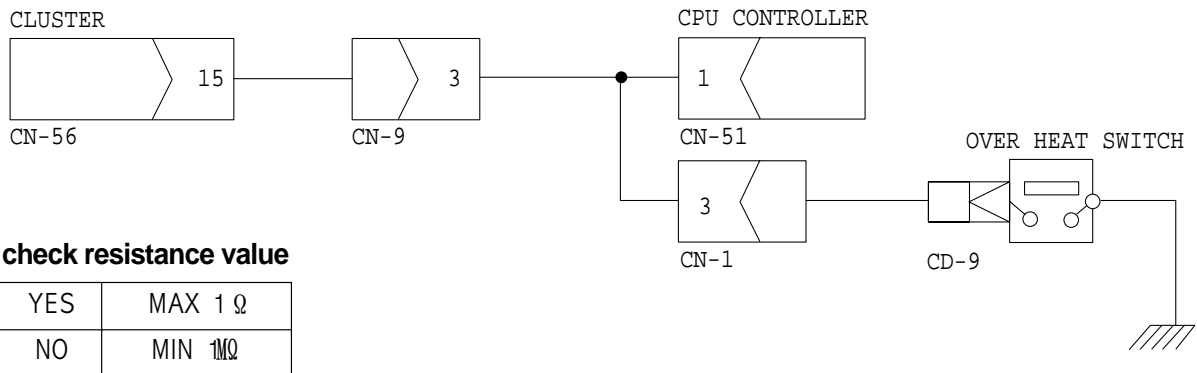
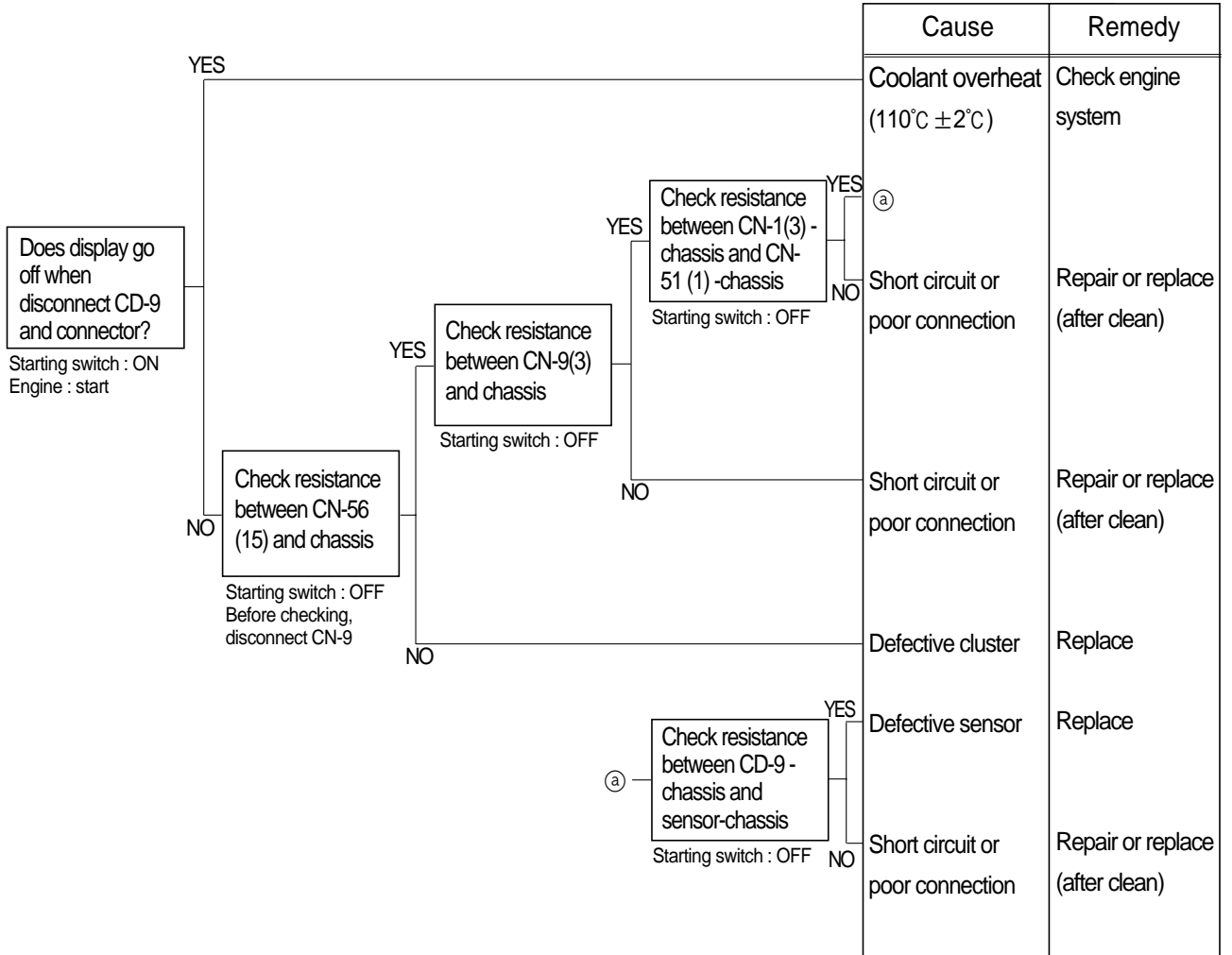
2. BATTERY CHARGING LAMP LIGHTS UP(Starting switch : ON)

- 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, connect the disconnected connectors again immediately unless otherwise specified.



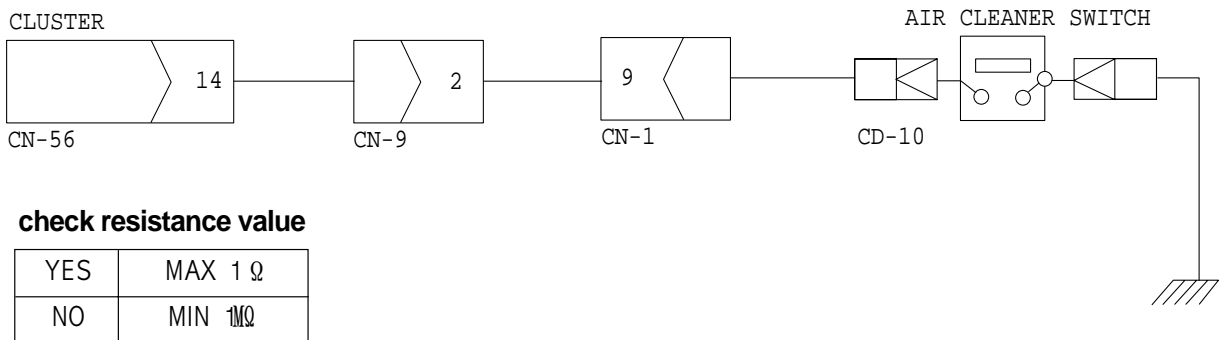
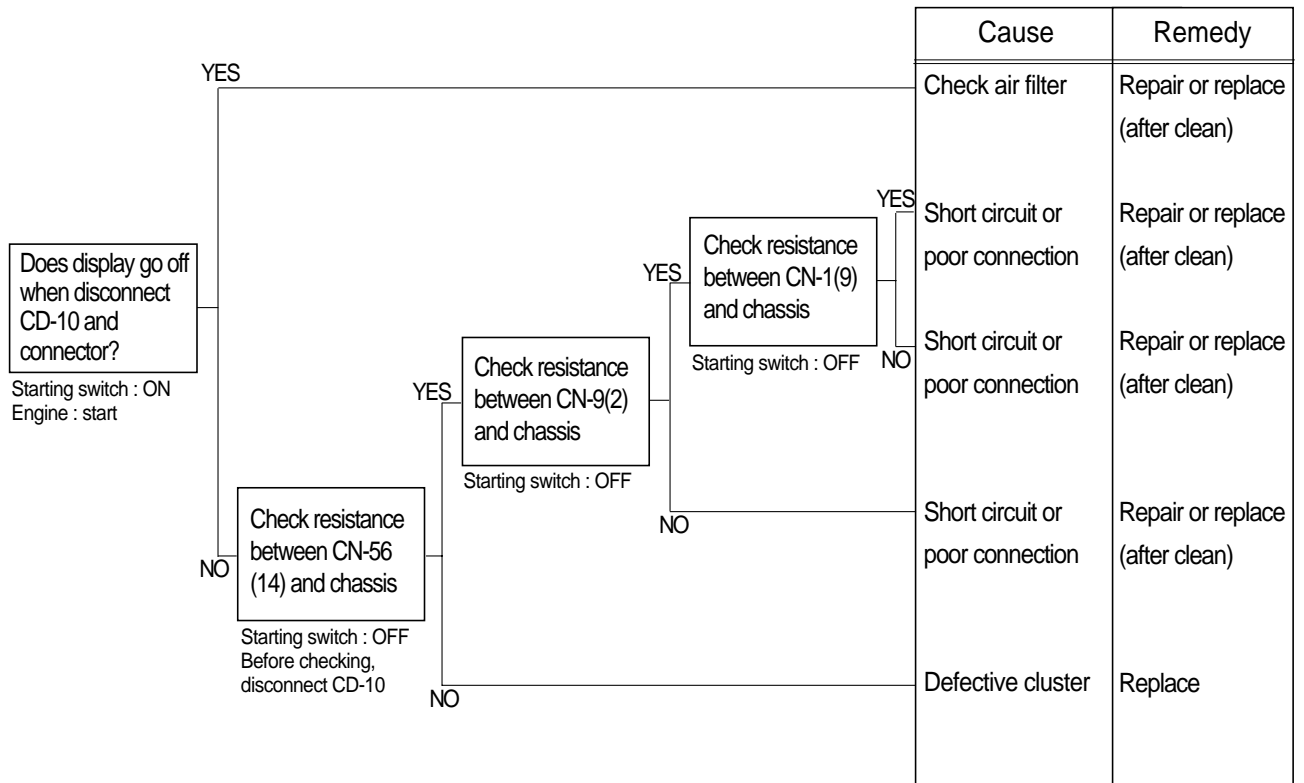
3. WHEN COOLANT OVERHEAT LAMP LIGHTS UP(Engine is started)

- 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, connect the disconnected connectors again immediately unless otherwise specified.



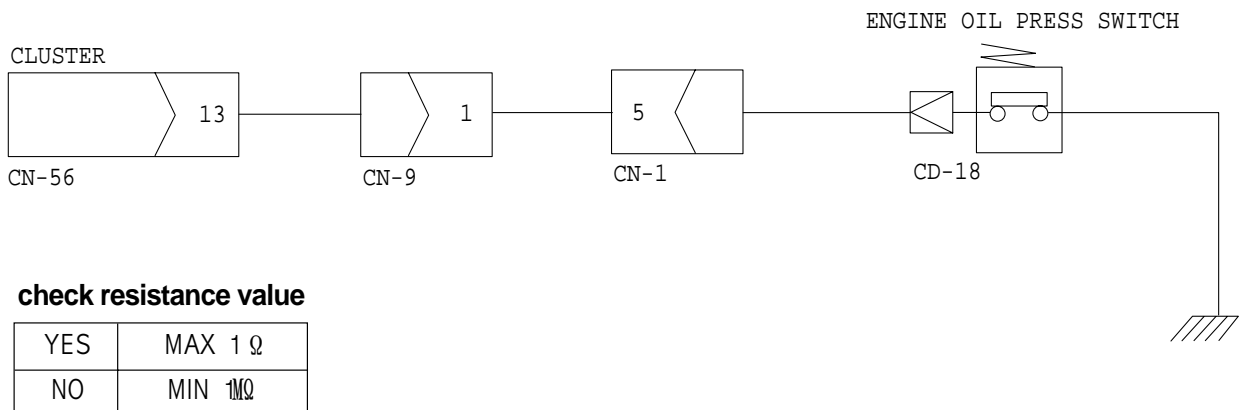
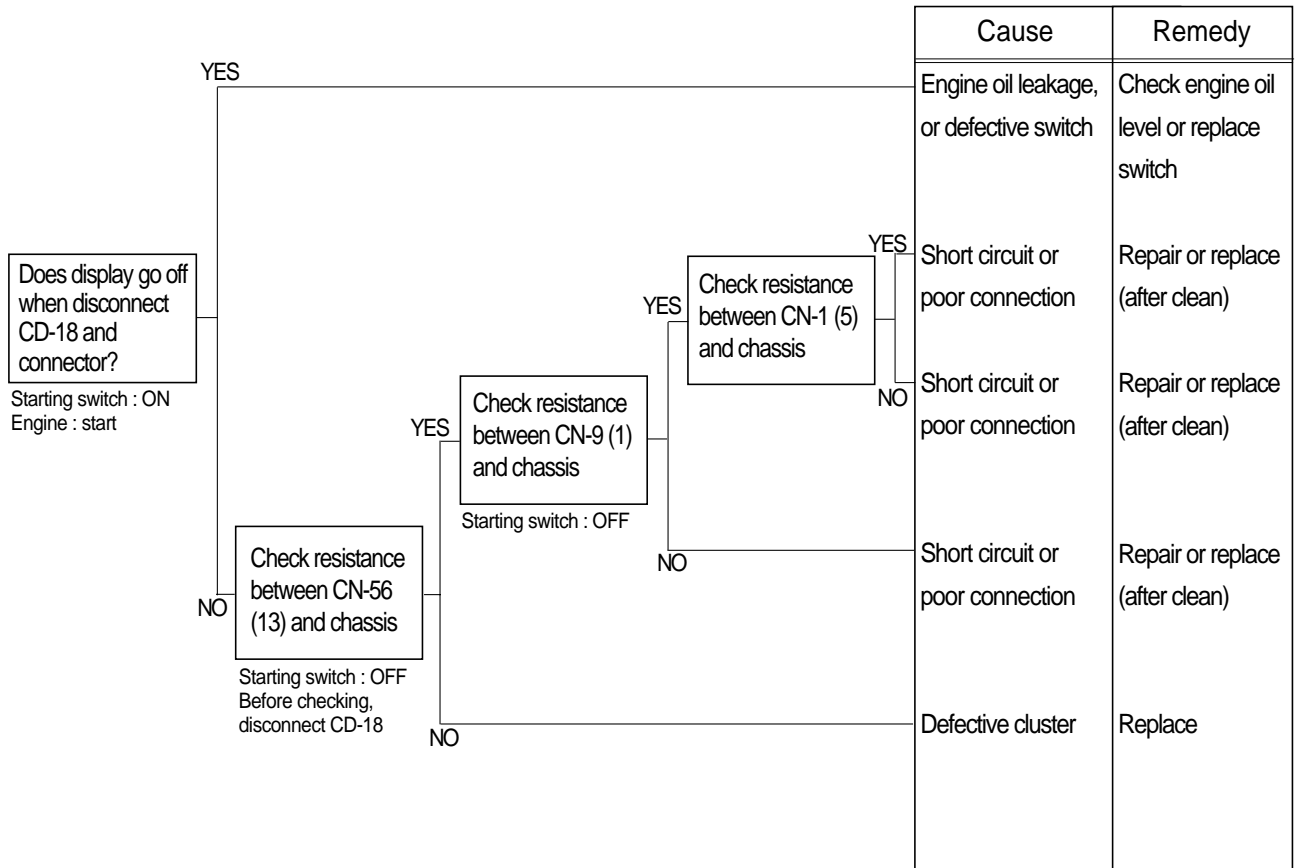
4. WHEN AIR CLEANER LAMP LIGHTS UP(Engine is started)

- 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, connect the disconnected connectors again immediately unless otherwise specified.



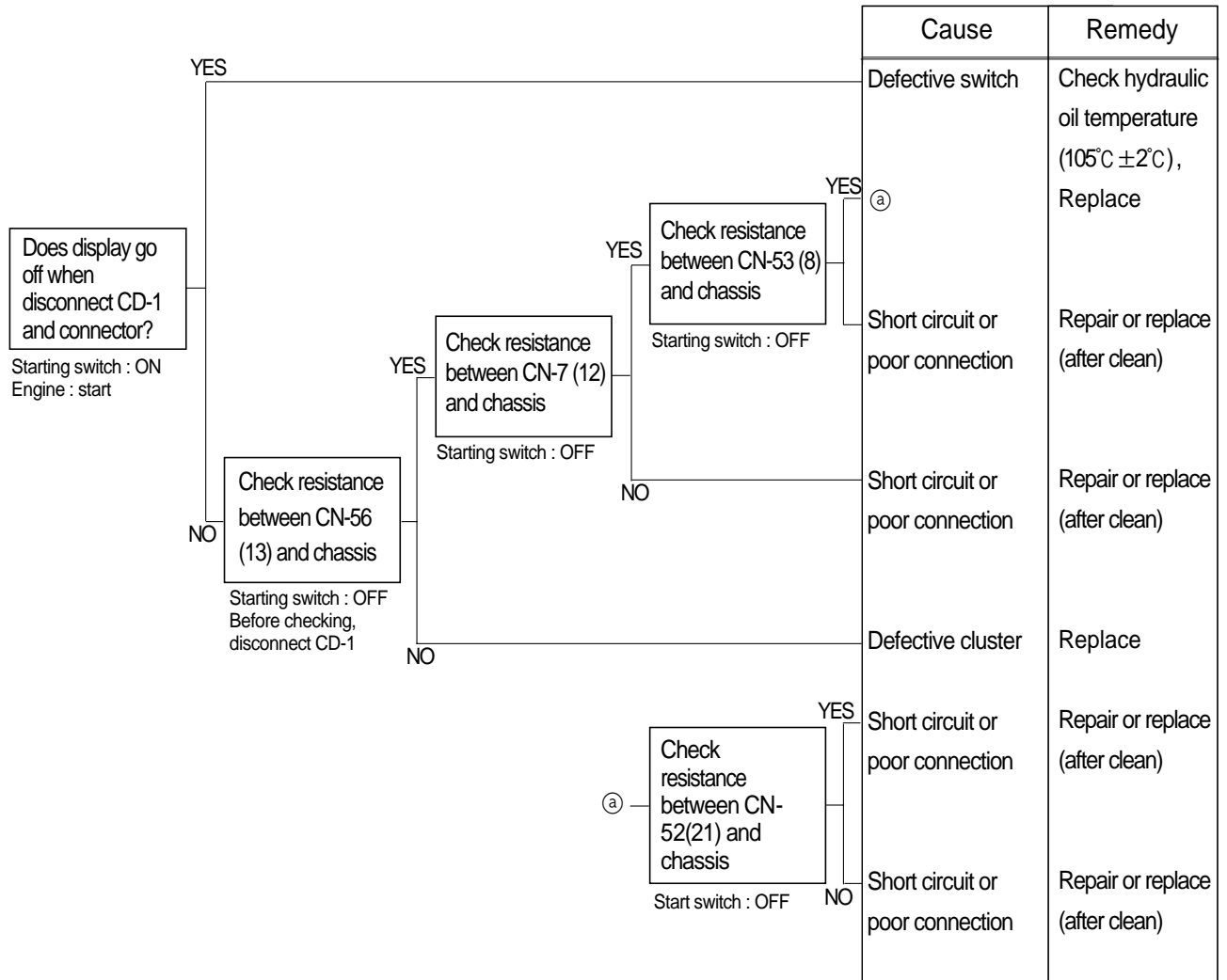
5. WHEN ENGINE OIL PRESSURE LAMP LIGHTS UP(Engine is started)

- 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, connect the disconnected connectors again immediately unless otherwise specified.



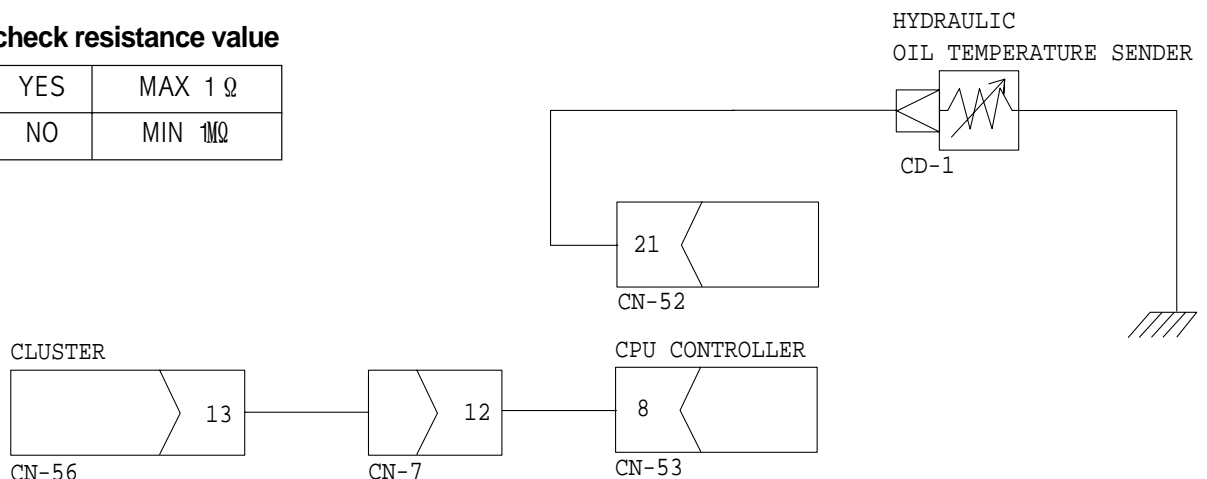
6. WHEN HYDRAULIC OIL TEMPERATURE LAMP LIGHTS UP(Engine is started)

- 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, connect the disconnected connectors again immediately unless otherwise specified.



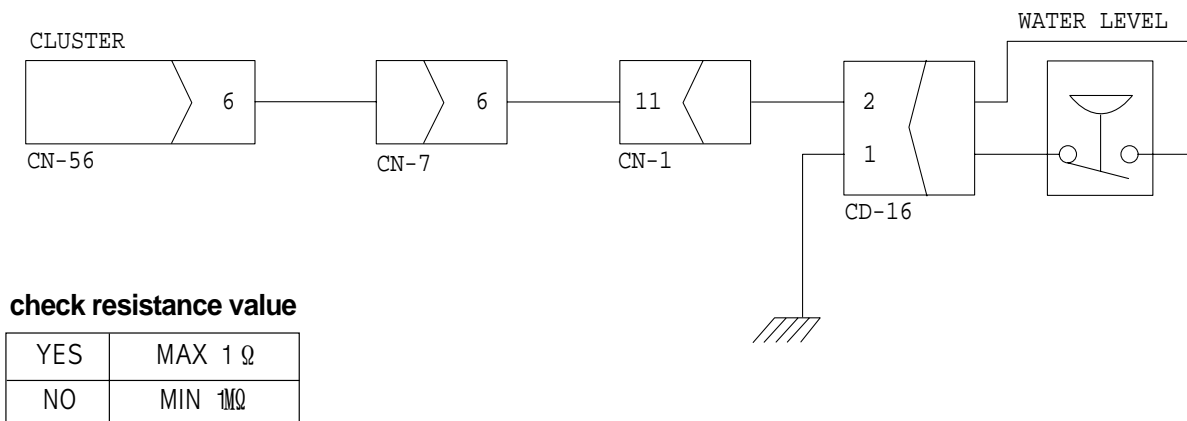
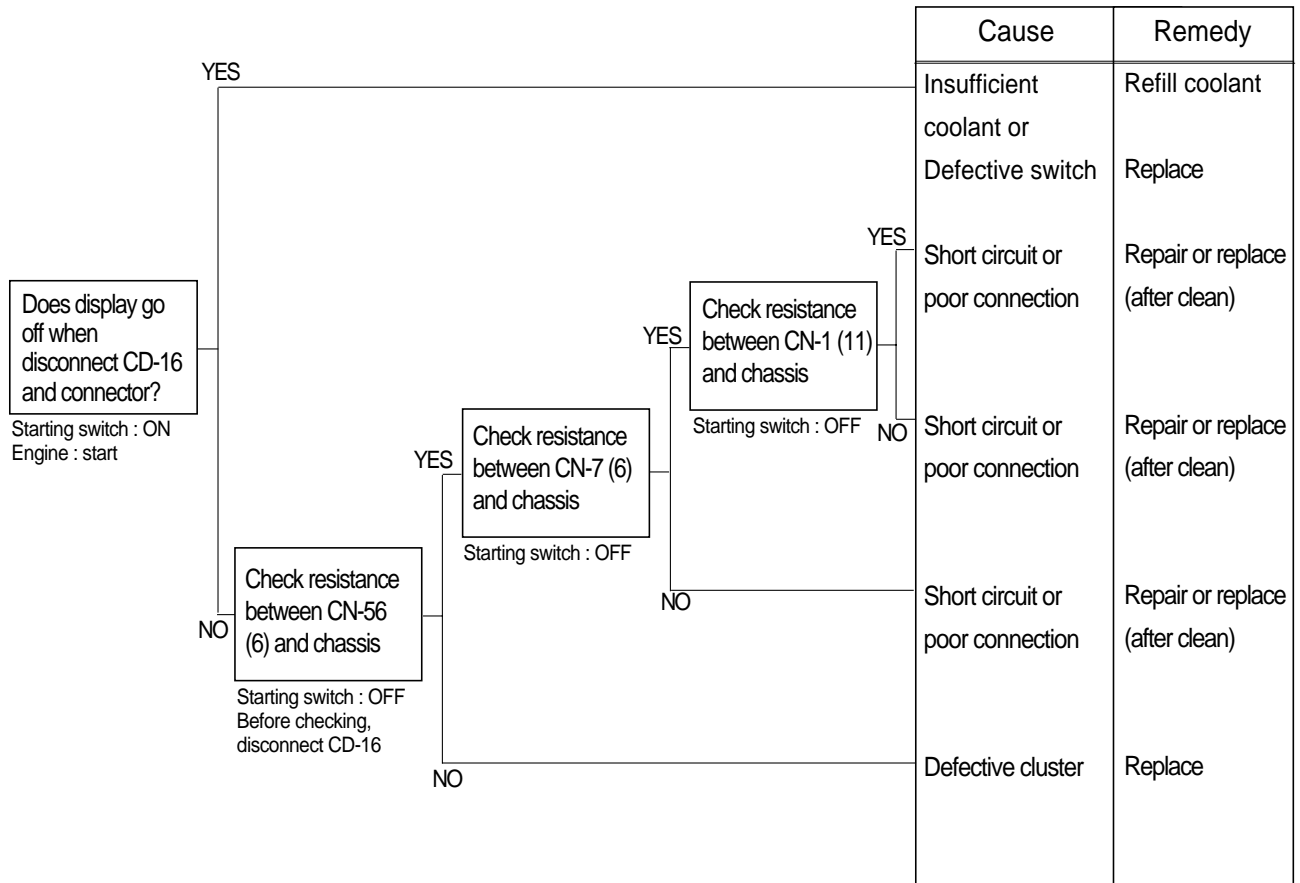
check resistance value

YES	MAX 1 Ω
NO	MIN 1MΩ



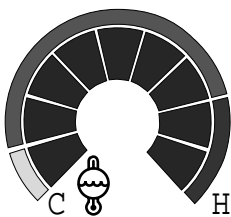
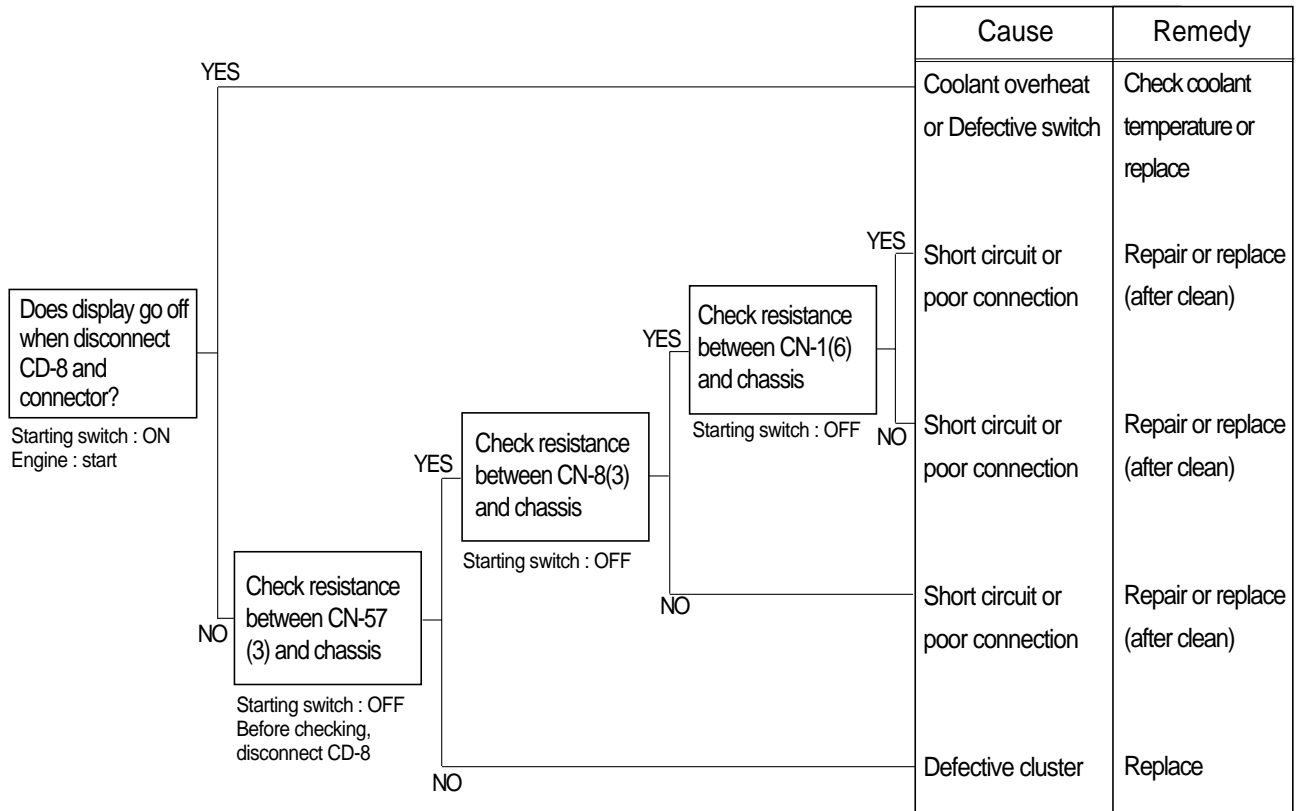
7. WHEN COOLANT LEVEL LAMP LIGHTS UP(Engine is started)

- 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, connect the disconnected connectors again immediately unless otherwise specified.



8. WHEN COOLANT TEMPERATURE GAUGE DOES NOT OPERATE (Check coolant temperature lamp ON/OFF)

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted, and short of fuse NO. 14.
- After checking, connect the disconnected connectors again immediately unless otherwise specified.

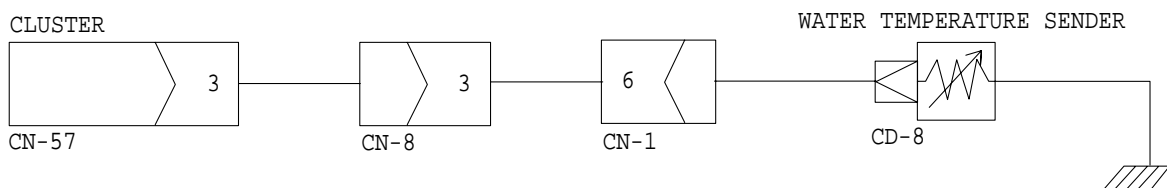


Check Resistance Value

YES	MAX 1 Ω
NO	MIN 1MΩ

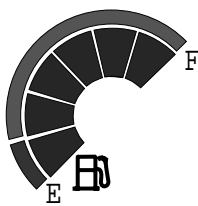
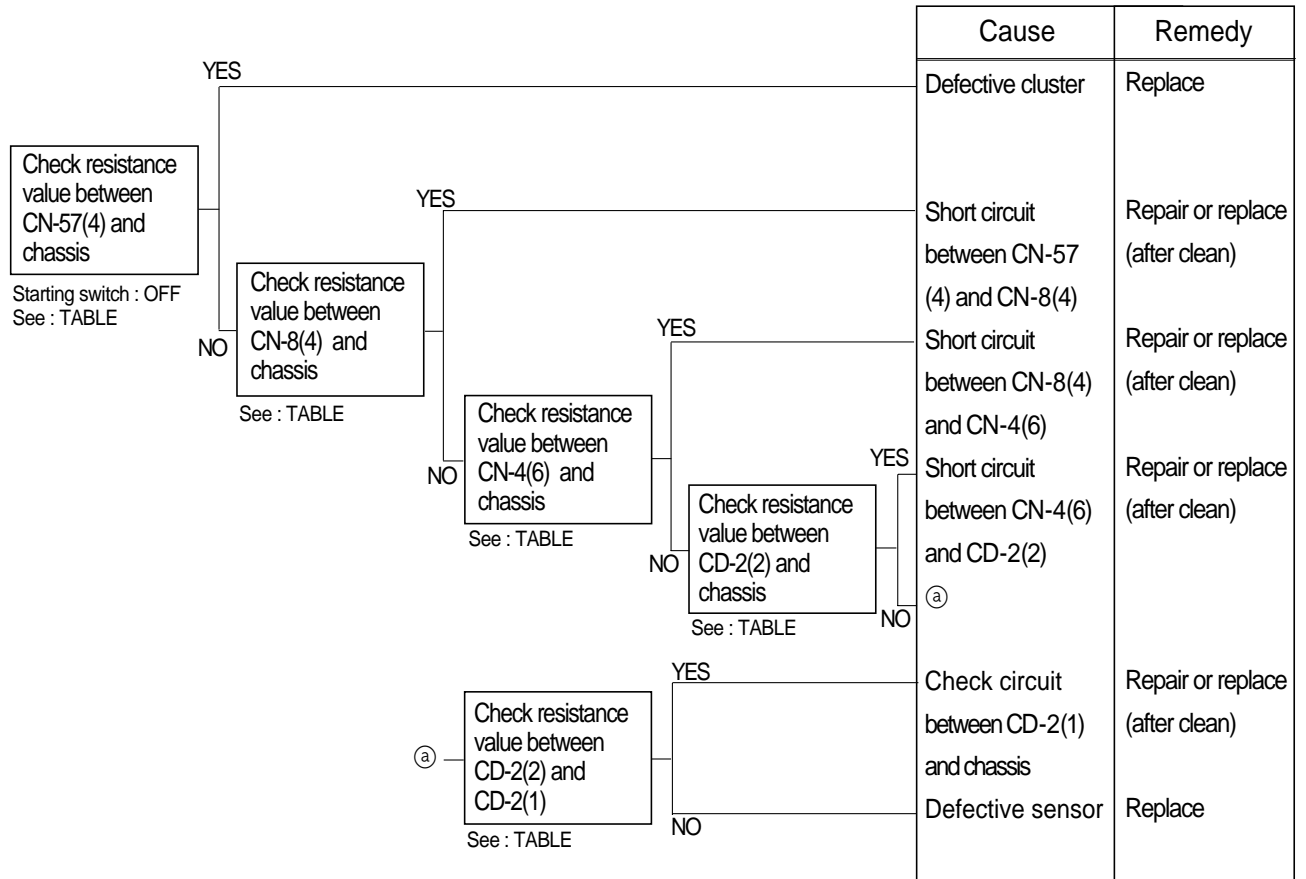
Check Table

Temperature	(50°C)	80°C	100°C	(120°C)
Item	(153.9)	51.9	27.4	(16.1)
Unit Resistance(Ω)	(153.9)	51.9	27.4	(16.1)
Tolerance	+25, -20	+4.9, -1.2	+1.9, -1.2	±1.2



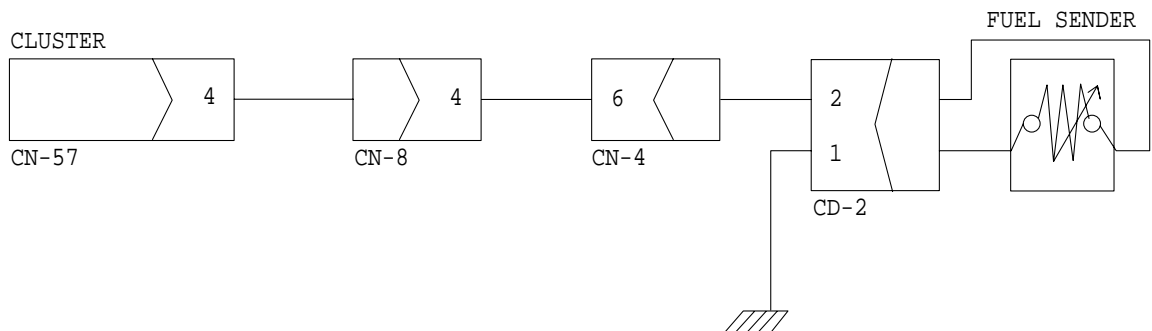
9. WHEN FUEL GAUGE DOES NOT OPERATE(Check warning lamp ON/OFF)

- 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, connect the disconnected connectors again immediately unless otherwise specified.



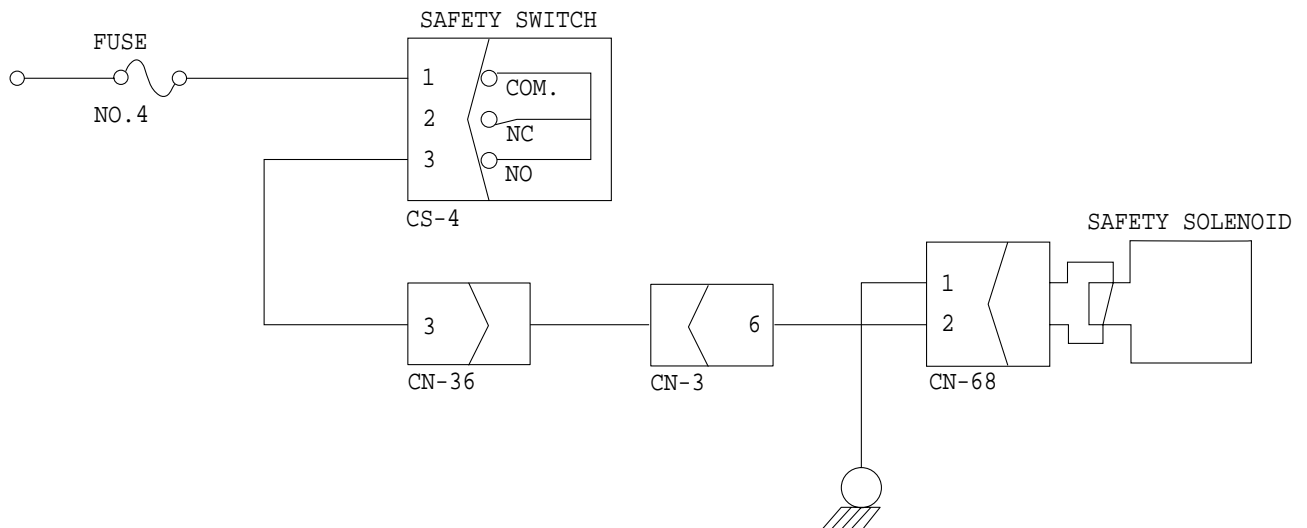
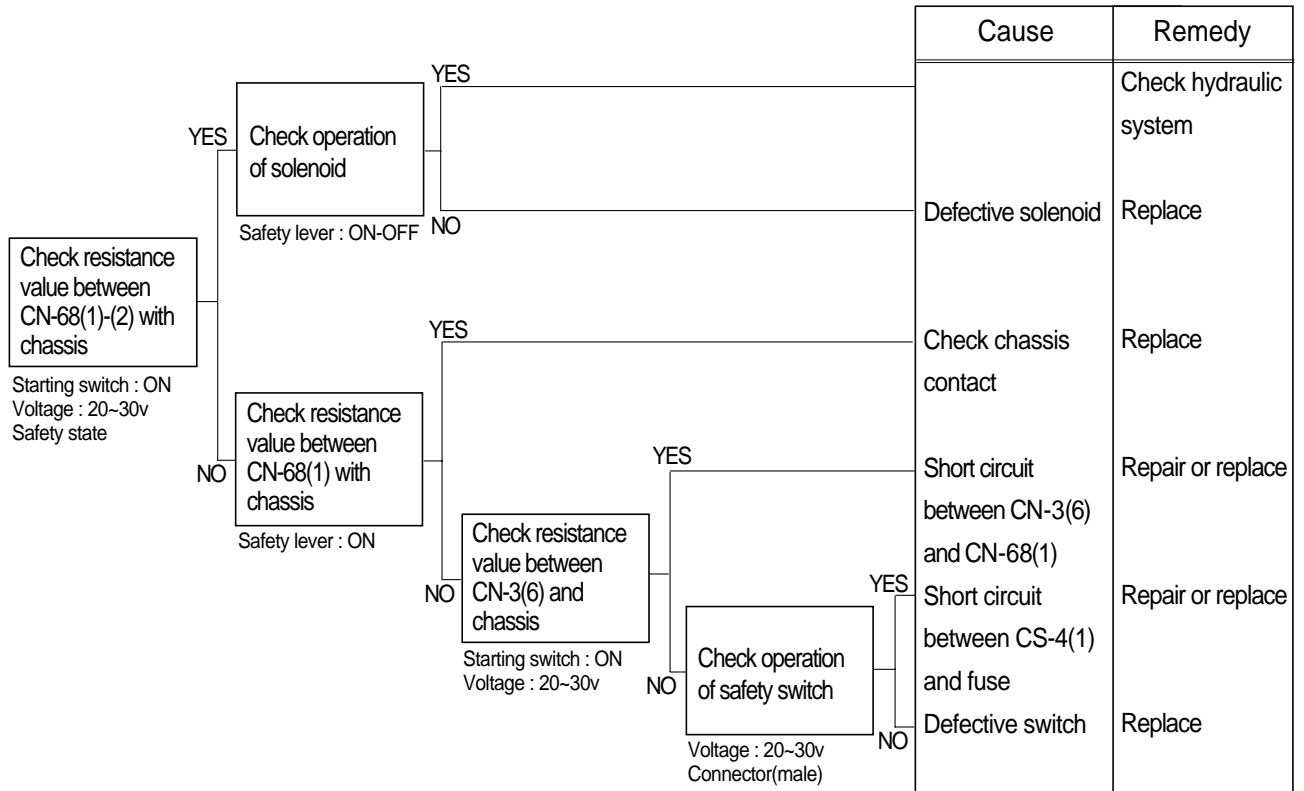
Check Table

Item \ Level	Empty	(1/2)	Full
Unit Resistance(Ω)	110	(32.5)	3
Tolerance	±3		±2



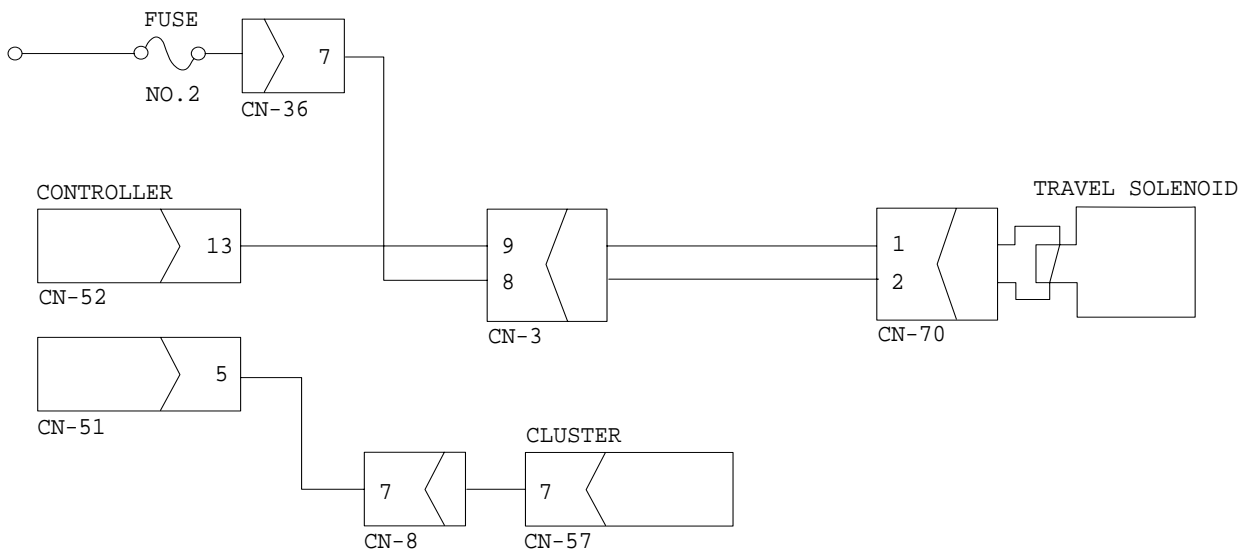
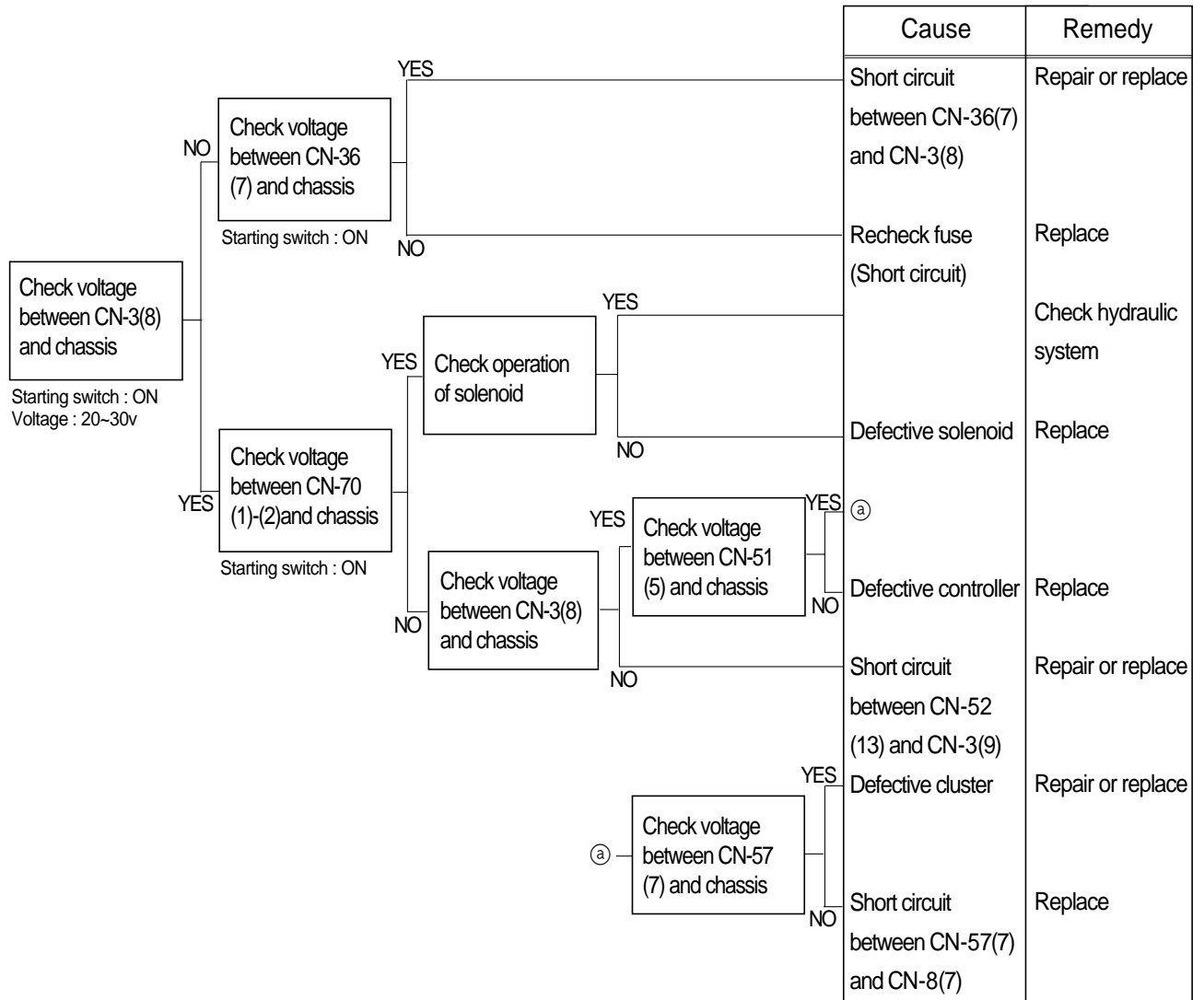
10. WHEN SAFETY SOLENOID DOES NOT OPERATE

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and short of fuse No. 4.
- After checking, connect the disconnected connectors again immediately unless otherwise specified.



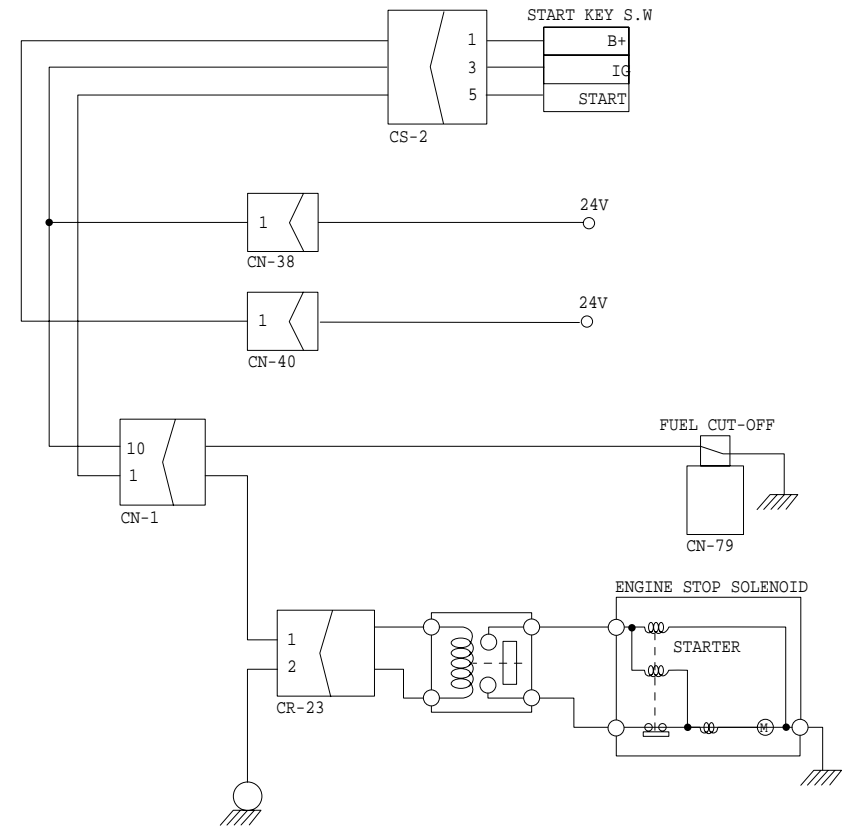
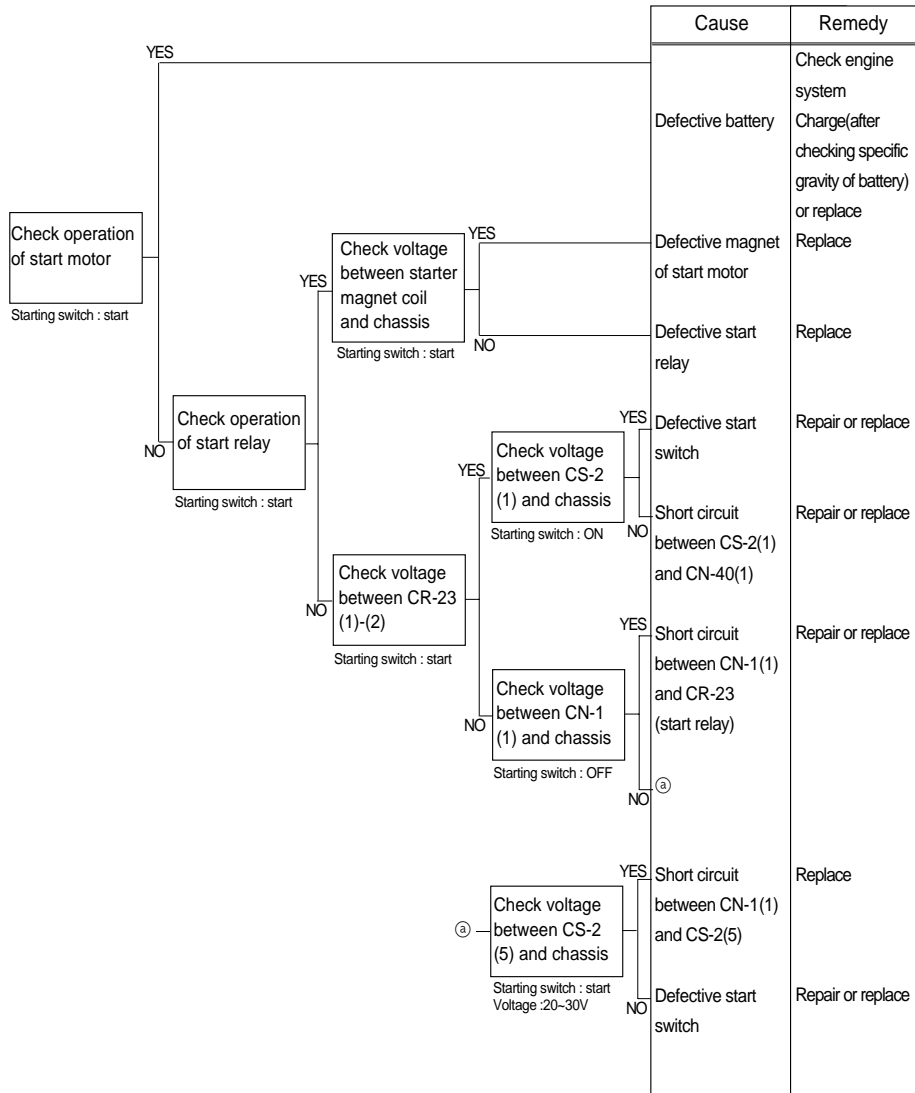
11. WHEN TRAVEL SPEED 1,2 DOES NOT OPERATE

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and short of fuse No. 2.
- After checking, connect the disconnected connectors again immediately unless otherwise specified.



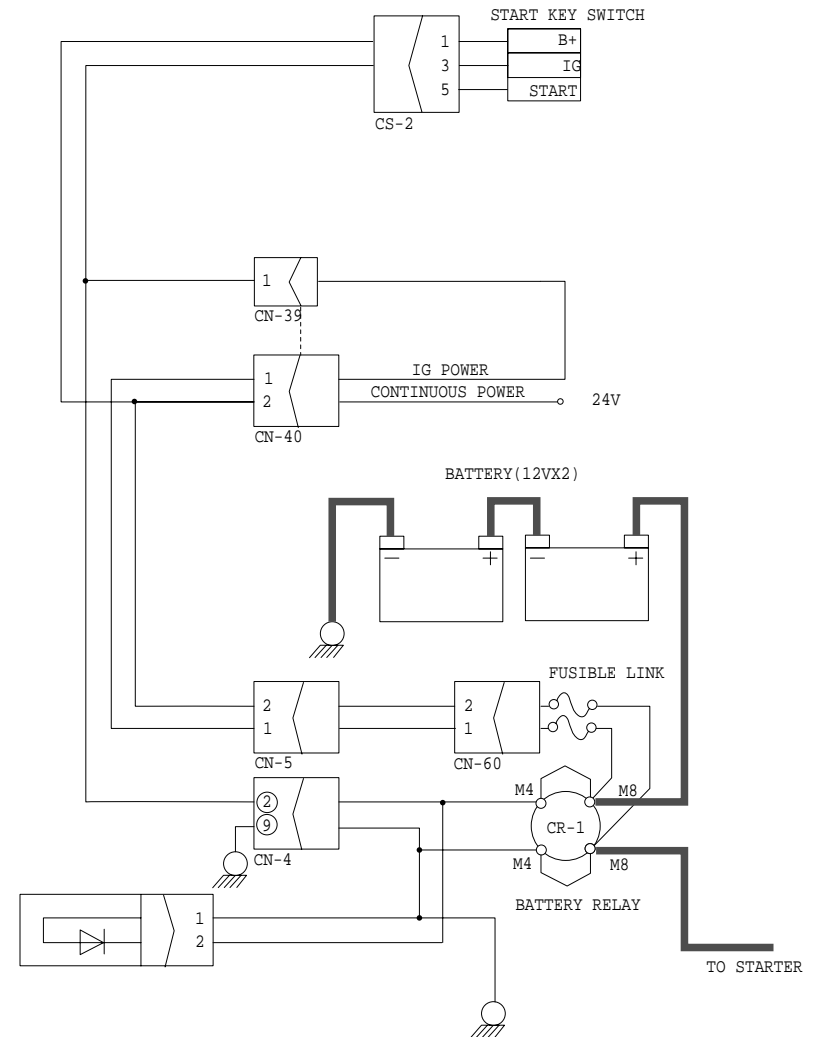
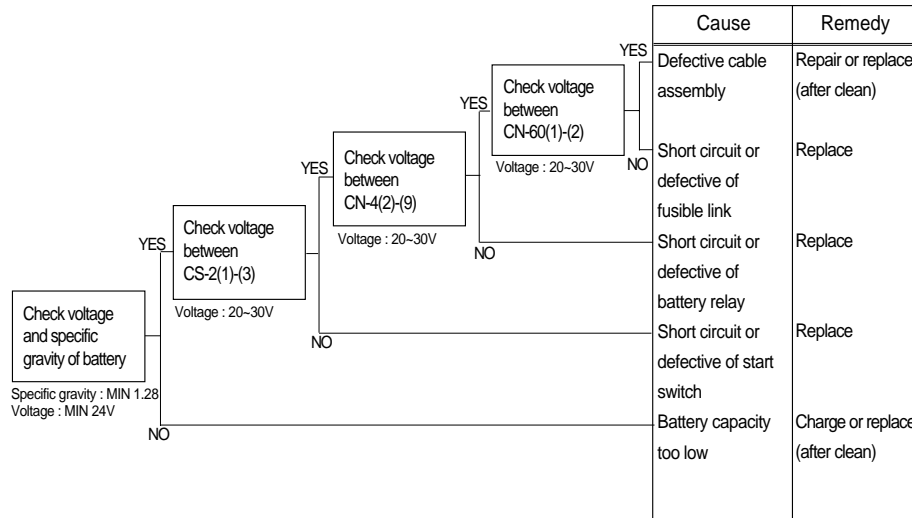
12. WHEN ENGINE DOES NOT START

- 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.
- After checking, connect the disconnected connectors again immediately unless otherwise specified.



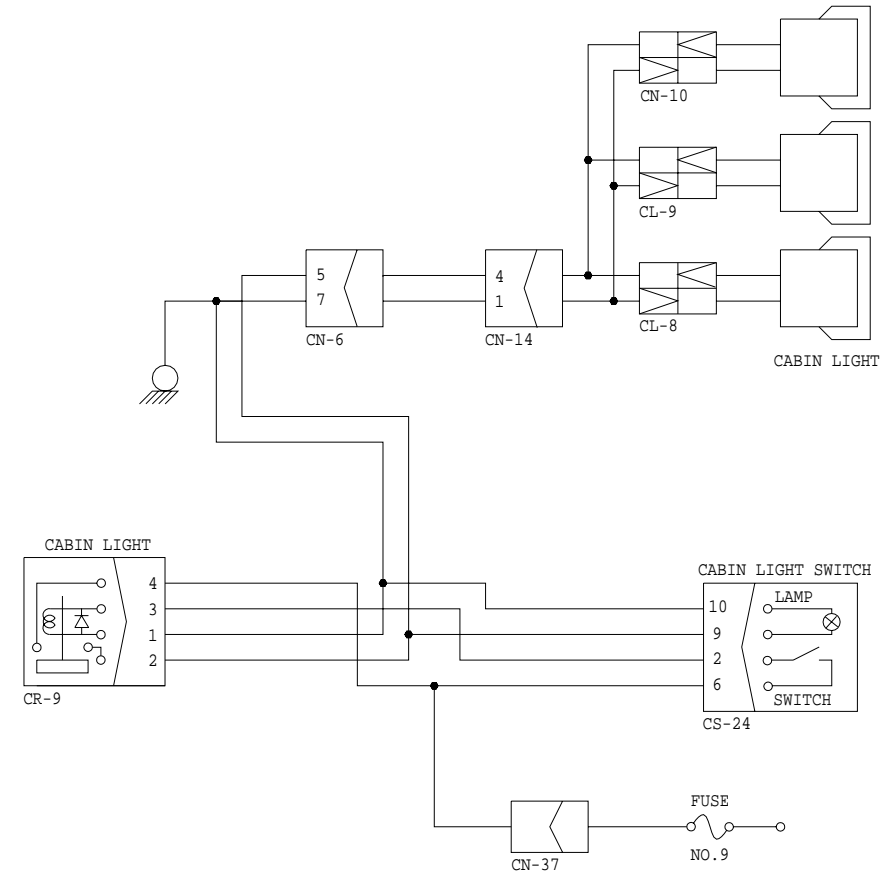
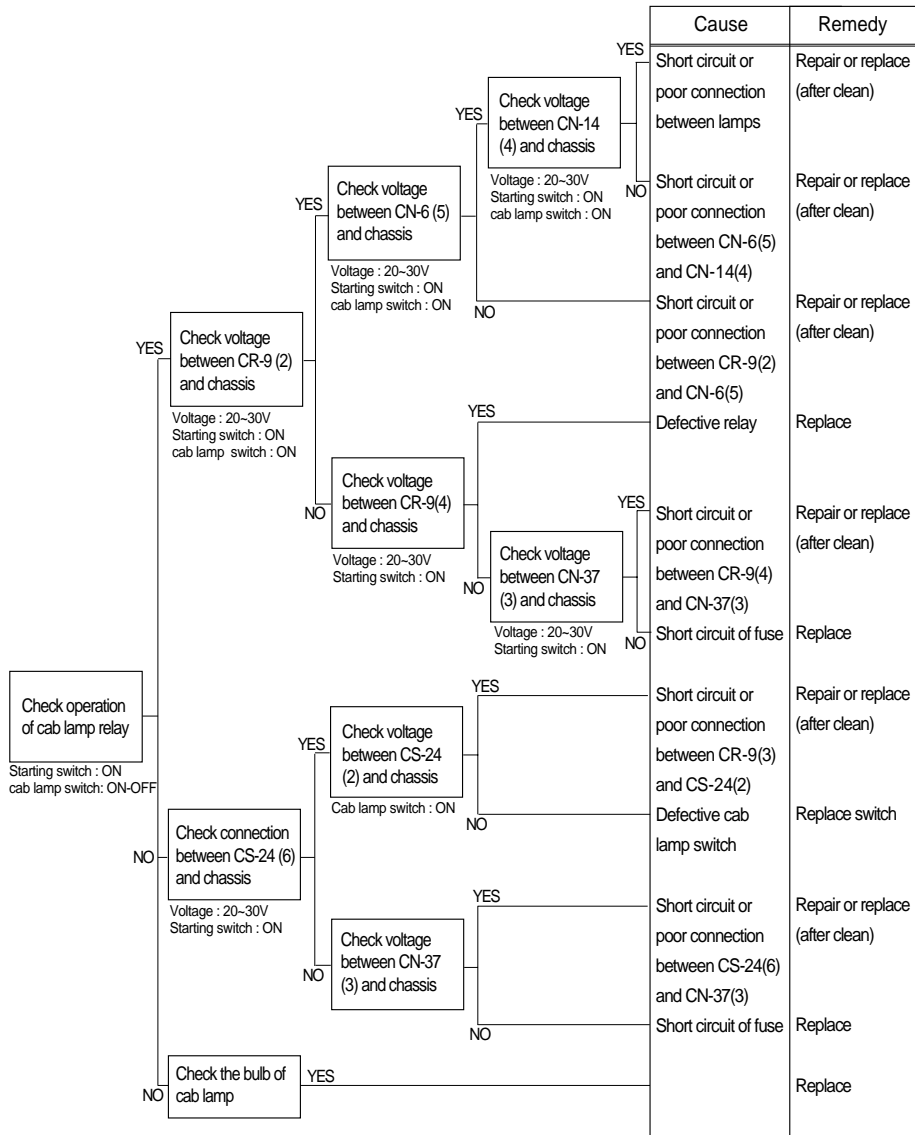
13. WHEN STARTING SWITCH "ON" DOES NOT OPERATE

- 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, connect the disconnected connectors again immediately unless otherwise specified.



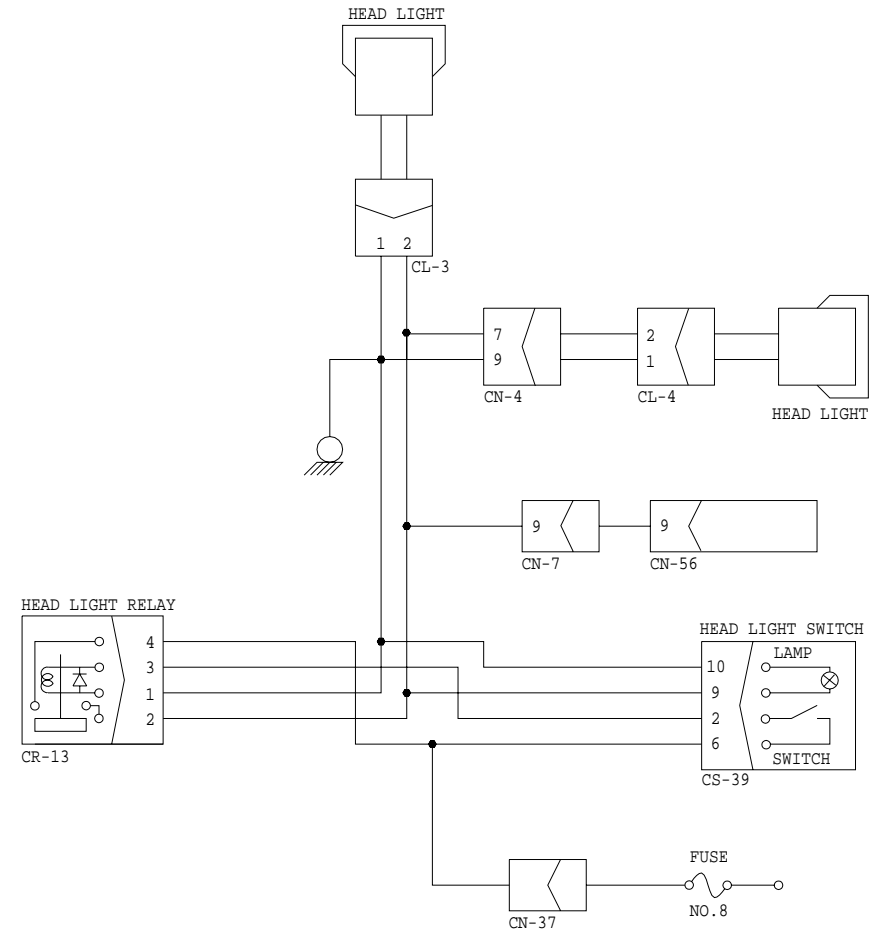
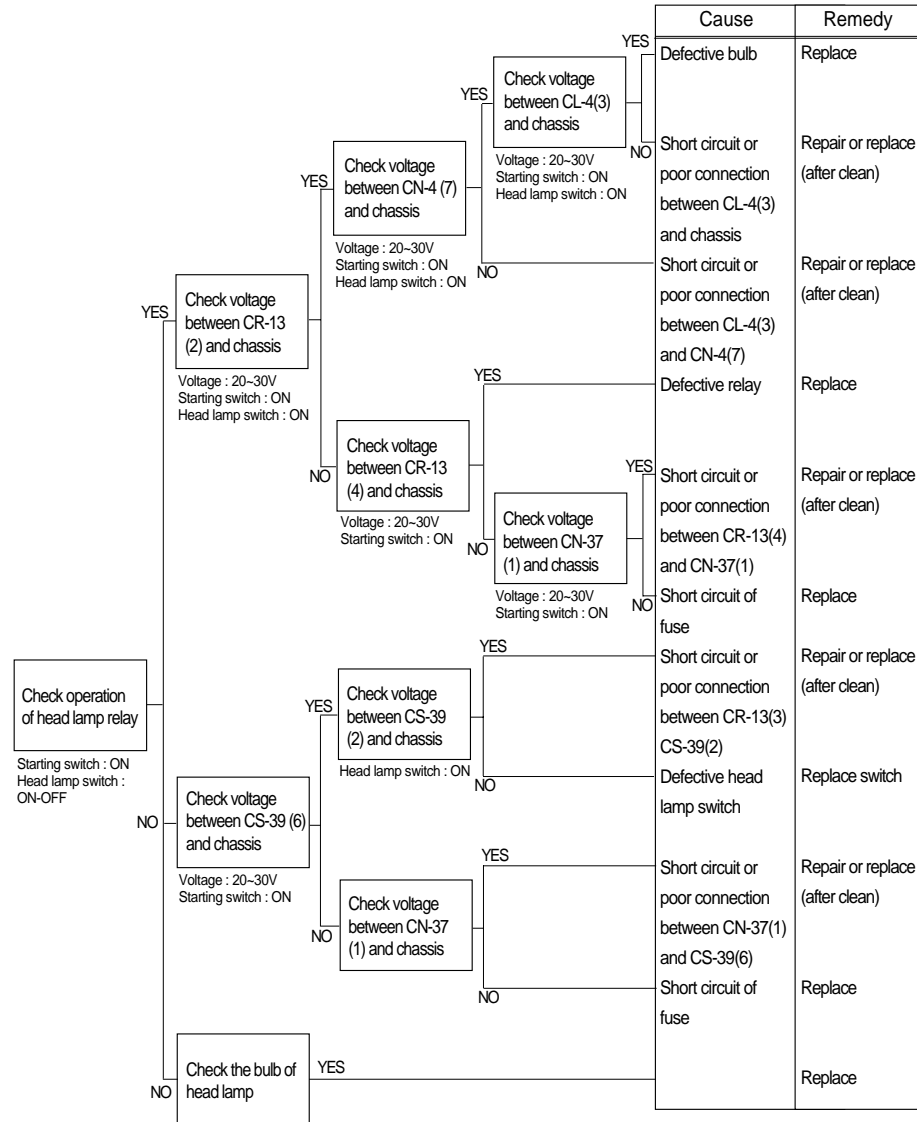
15. WHEN STARTING SWITCH IS TURNED ON, CAB LAMP DOES NOT LIGHT UP

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and short of fuse No.10
- After checking, connect the disconnected connectors again immediately unless otherwise specified.



16. WHEN STARTING SWITCH IS TURNED ON, HEAD LAMP DOES NOT LIGHTS 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 short of fuse No.8
- After checking, connect the disconnected connectors again immediately unless otherwise specified.



17. WHEN STARTING SWITCH IS TURNED ON, WORK LAMP DOES NOT LIGHTS 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 short of fuse No.9.
- After checking, connect the disconnected connectors again immediately unless otherwise specified.

	Cause	Remedy
YES Check voltage between CR-3(2) and chassis Voltage : 20-30V Starting switch : ON Work lamp switch : ON	YES Short circuit or poor connection between CL-5(3) and CL-6(3)	Repair or replace (after clean)
YES Check voltage between CN-4(4) and chassis Voltage : 20-30V Starting switch : ON Work lamp switch : ON	YES Short circuit or poor connection between CN-4(4) and CN-10(2)	Repair or replace (after clean)
YES Check voltage between CR-3(2) and chassis Voltage : 20-30V Starting switch : ON Work lamp switch : ON	YES Short circuit or poor connection between CR-3(2) and CN-4(4)	Repair or replace (after clean)
YES Check voltage between CR-3(4) and chassis Voltage : 20-30V Starting switch : ON	YES Defective relay	Replace
YES Check voltage between CN-37(2) and chassis Voltage : 20-30V Starting switch : ON	YES Short circuit or poor connection between CR-3(4) and CN-37(2)	Repair or replace (after clean)
YES Check voltage between CN-37(2) and chassis Voltage : 20-30V Starting switch : ON	YES Short circuit of fuse	Replace
YES Check operation of work lamp relay Starting switch : ON Work lamp switch : ON-OFF	YES Short circuit or poor connection between CR-3(3) and CS-36(2)	Repair or replace (after clean)
YES Check voltage between CS-36(2) and chassis Work lamp switch : ON-OFF	YES Defective work lamp switch	Replace switch
YES Check voltage between CN-37(2) and chassis Voltage : 20-30V Starting switch : ON	YES Short circuit or poor connection between CS-36(6) and CN-37(2)	Repair or replace (after clean)
YES Check voltage between CN-37(2) and chassis Voltage : 20-30V Starting switch : ON	YES Short circuit of fuse	Replace
NO Check the bulb of work lamp	NO Short circuit of fuse	Replace

