Service Manual

JZ 70

From machine no.834000

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System Diagnosis (cont'd)

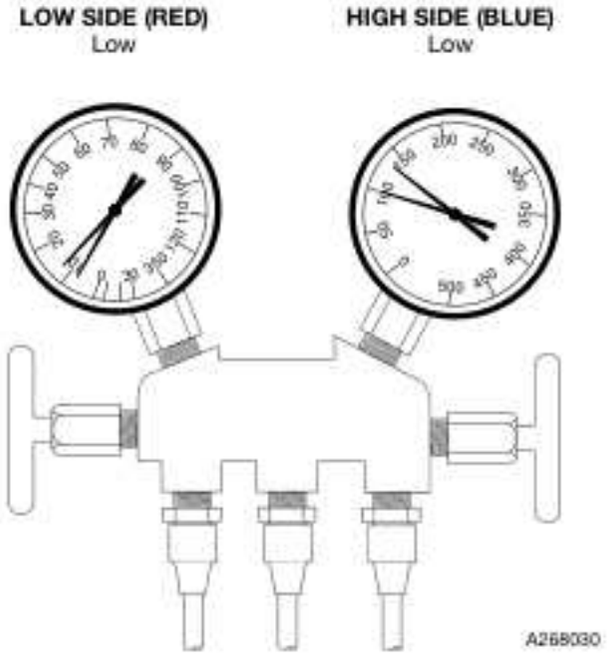
Low R-134a Charge

Gauge Readings:
Low Side Gauge - Low.
High Side Gauge - Low.

Other symptoms:
Sight Glass - Bubbles continuously visible.

Diagnosis:
System slightly low on R-134a, due to leak or incorrect charge.

Correction:
1. Leak test system.
2. Evacuate A/C system.
3. Repair system leaks.
4. Charge system with R-134a.
5. Operate system and check performance.



LOW SIDE - 0.76 bar (0.77 kgf/cm²)(11 lbf/in²)
HIGH SIDE - 8.3 bar (8.5 kgf/cm²)(121 lbf/in²)

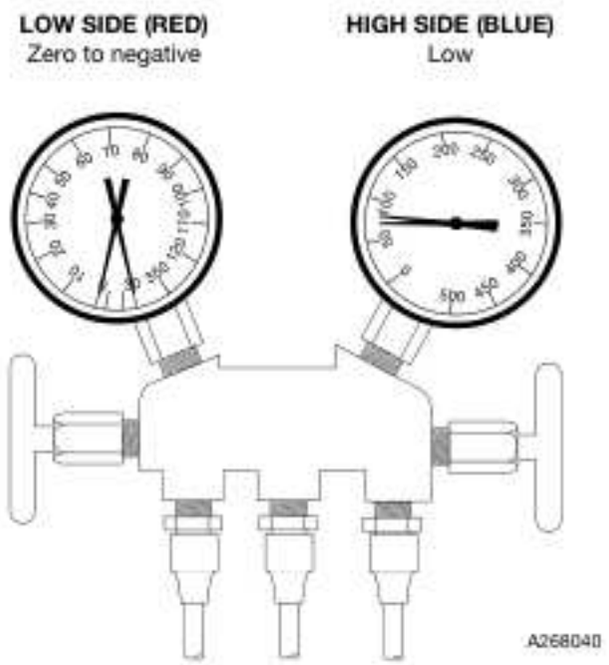
Poor Refrigerant Circulation

Gauge Readings:
Low Side Gauge - Zero to negative.
High Side Gauge - Low.

Other symptoms:
Receiver-Drier - Frost on tubes from receiver-drier to evaporator unit.

Diagnosis:
Refrigerant flow obstructed by dirt, receiver-drier clogged.

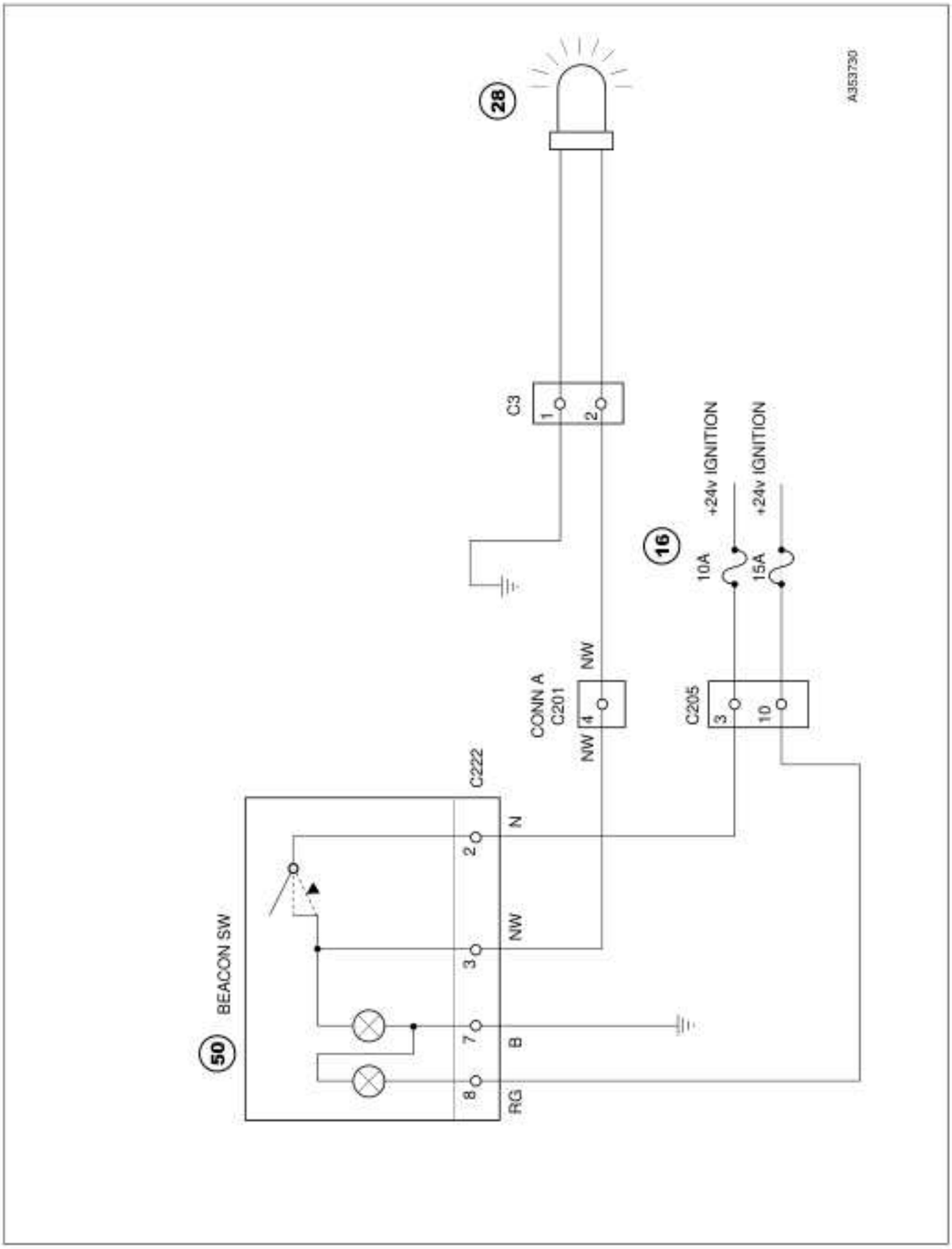
Correction:
1. Evacuate A/C system.
2. Replace receiver-drier.
3. Charge system with R-134a.
4. Operate system and check performance.



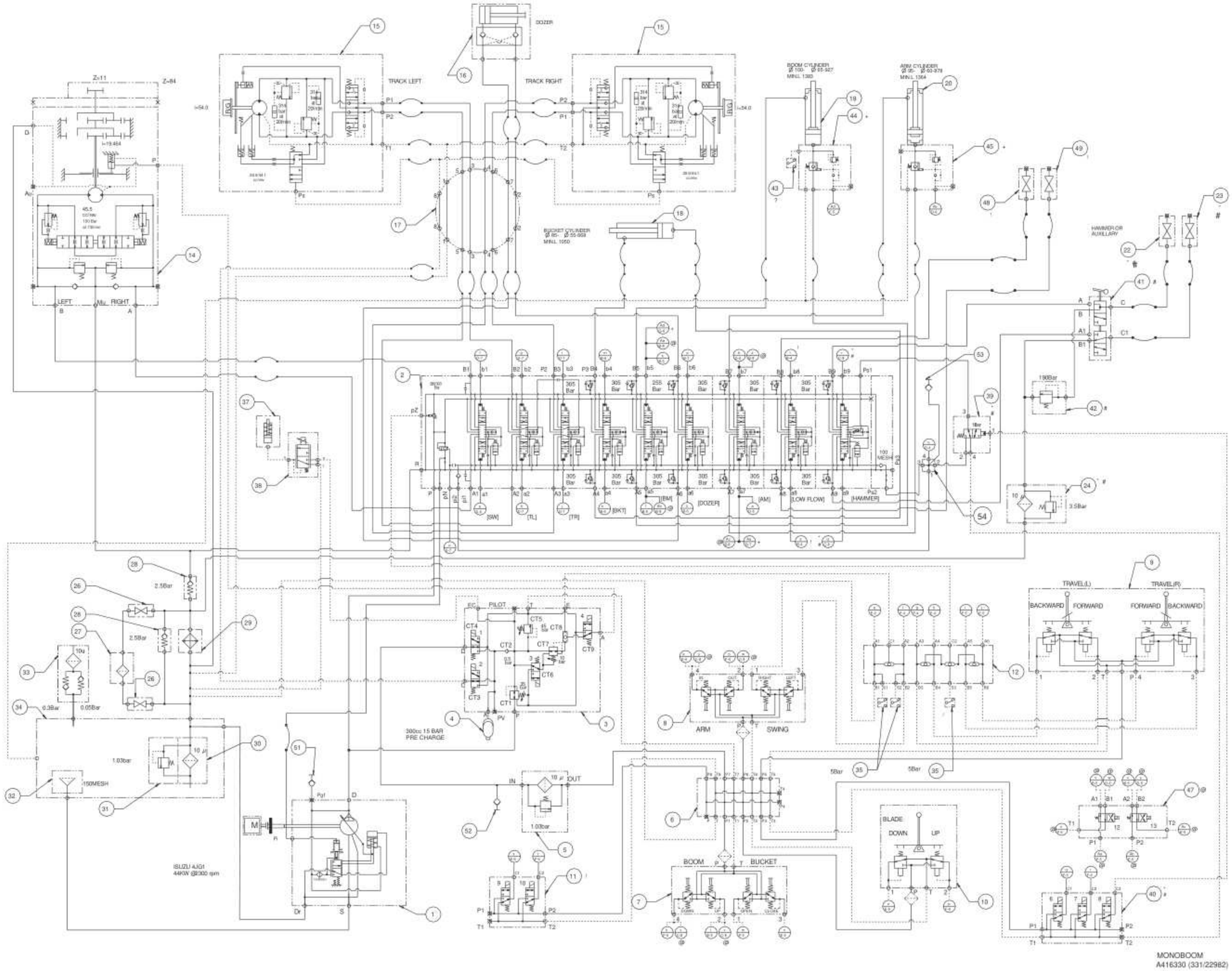
LOW SIDE - -1.0 bar (-1.1 kgf/cm²)(-15 lbf/in²)
HIGH SIDE - 5.4 bar (5.5 kgf/cm²)(78 lbf/in²)

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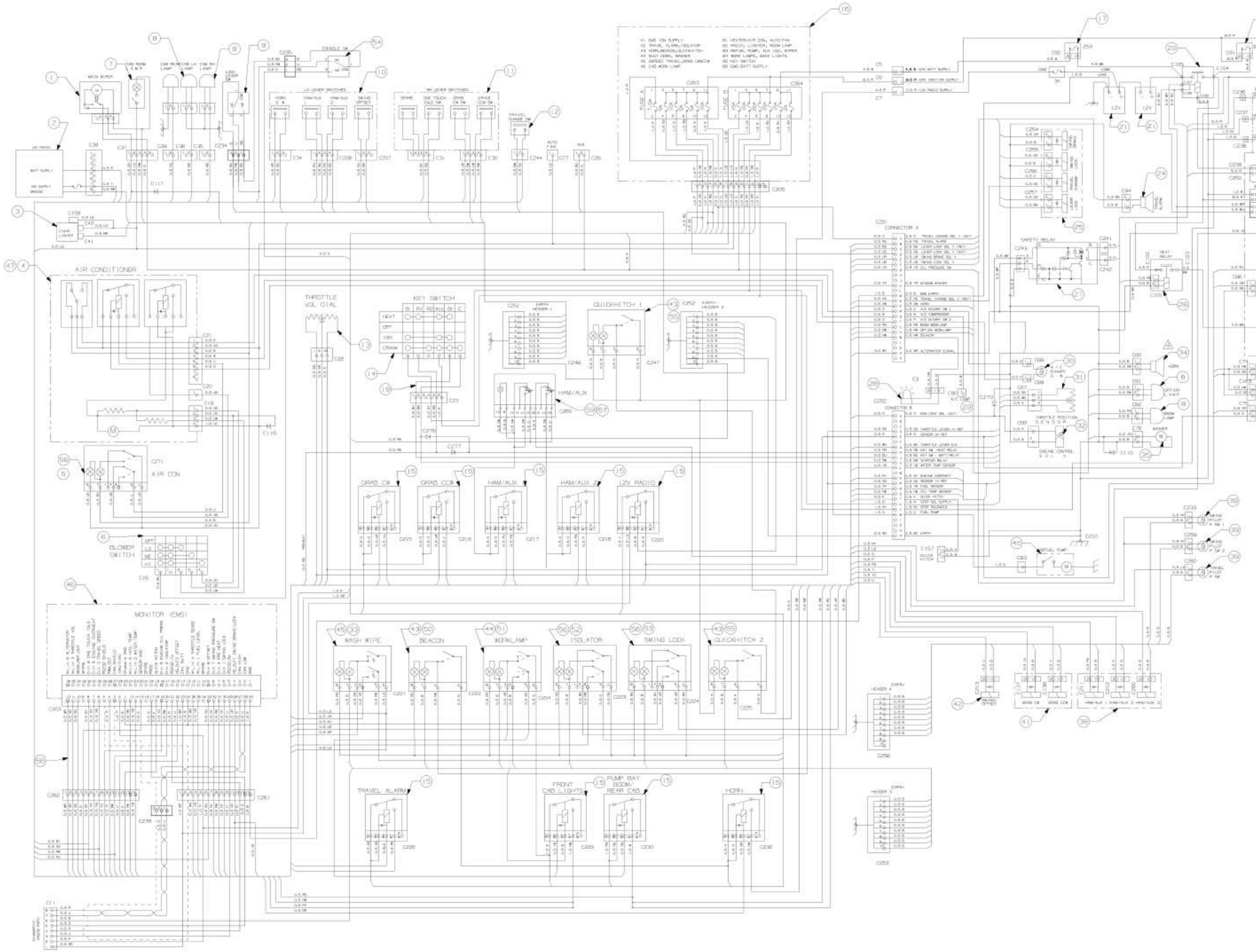
19. Beacon



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