SERVICE MANUAL

H006 (H135FT, H155FT)



FORM 1653211 Rev. 06/14

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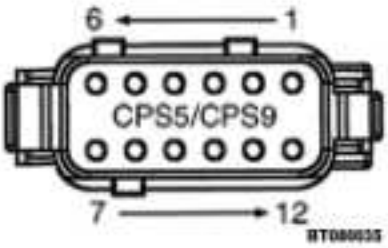
This section is for the following models:

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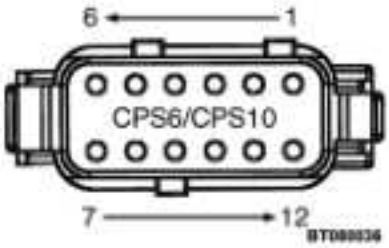
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+5 Volt Supply OORL (Cont)

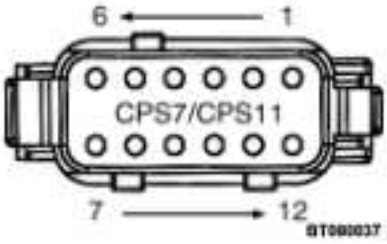
CONNECTOR(S)



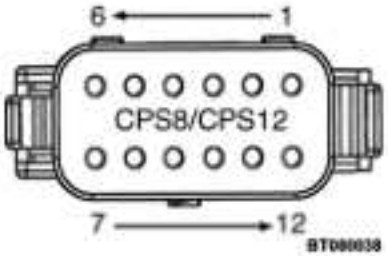
VSM Connectors CPS 5 and 9



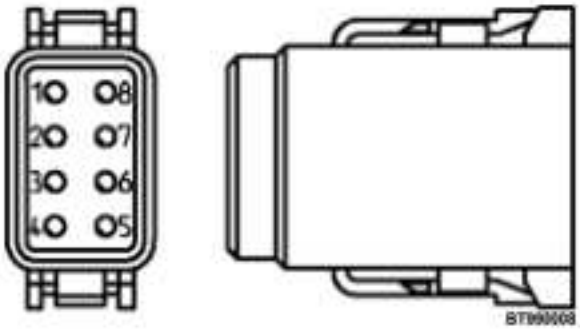
VSM Connectors CPS 6 and 10



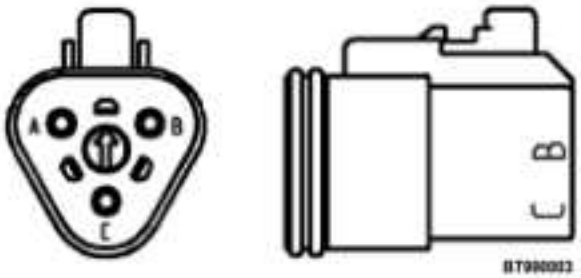
VSM Connectors CPS 7 and 11



VSM Connectors CPS 8 and 12



Seat Harness Disconnect CPS 52



Mast Harness Disconnect CPS 53



Engine Harness Connector CPS 55



Engine Harness Connector CPS 55 (2007 Mazda EPA)

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Poor Metering On Lift Function

POSSIBLE CAUSE

A. AIR TRAPPED IN CIRCUIT.
B. RAMP SETTING TOO LOW FOR FUNCTION.
C. CALIBRATION OF OUTPUT THRESHOLD IS TOO LOW.

CAUSE A - AIR TRAPPED IN CIRCUIT.

PROCEDURE OR ACTION:

1. Remove air from circuit by cycling lift and lower functions full stroke of hydraulic hoist cylinders for 5 - 10 times. If symptom is still present, go to Cause B.

CAUSE B - RAMP SETTING TOO LOW FOR FUNCTION.

PROCEDURE OR ACTION:

1. Adjust function ramp setting on DSC. See **User Interface** 2200SRM1131. If symptom is still present, go to Cause C.

CAUSE C - CALIBRATION OF OUTPUT THRESHOLD IS TOO LOW.

PROCEDURE OR ACTION:

1. Check calibration threshold at DSC. See **Calibration Procedures** 8000SRM1134.
   Does setting meet specifications for your lift truck?
   YES: Resume operation.
   NO: Increase setting to specification or until operation is acceptable to operator.

END SYMPTOM

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Legend for Figure 23

A. LOWER HOSE (CUMMINS 4.5L/KUBOTA 3.8L DIESEL)
B. LOWER HOSE (GAS AND LPG)
C. UPPER HOSE (GAS AND LPG)
D. UPPER HOSE (CUMMINS 4.5L/KUBOTA 3.8L DIESEL)

1. RADIATOR (WITH EXTERNAL OIL COOLER)
2. SHROUD
3. WASHER
4. SCREW
5. CLIP NUT
6. CLIP SPRING
7. CLAMP
8. UPPER RADIATOR BRACKET
9. CAPSCREW
10. INSERT
11. ISOLATOR
12. RESERVOIR
13. BRACKET (COOLANT FILL)
14. OUTLET ASSEMBLY
15. OUTLET
16. CAP
17. BUSHING
18. HOSE
19. HOSE
20. REMOTE FILL HOSE
21. REMOTE FILL
22. RADIATOR CAP
23. SCREEN
24. COOLANT LEVEL SENSOR
25. DRAIN PLUG

RADIATOR, INSTALL FOR LIFT TRUCK MODELS H6.0FT, H7.0FT (H135FT, H155FT) (H006, J006, K006) AND H8.0FT, H8.0FT9, H9.0FT (H170FT, H175FT36, H190FT) (A299, B299)

1. If necessary, install coolant level sensor.

NOTE: Installing the radiator into lift truck frame requires two people.

2. Install radiator into lift truck frame.

3. For lift trucks equipped with GM 5.7L LPG engine, use capscrews and install baffles to radiator assembly. See Figure 14. Use capscrews and attach radiator assembly to cooling baffle.

4. Install upper radiator bracket and four capscrews.

   See Figure 25 for lift truck models
   - H6.0FT, H7.0FT (H135FT, H155FT) (H006, J006, K006)

   See Figure 13 for lift truck models below equipped with Cummins QSB 3.3L diesel engine
   - H8.0FT, H8.0FT9, H9.0FT (H170FT, H175FT36, H190FT) (A299, B299)

   See Figure 14 for lift truck models below equipped with GM 5.7L LPG engine
   - H8.0FT, H8.0FT9, H9.0FT (H170FT, H175FT36, H190FT) (A299, B299)

   See Figure 15 for lift truck models equipped with Kubota 3.8L Diesel engine
   - H8.0FT, H8.0FT9, H9.0FT (H170FT, H175FT36, H190FT) (B299)

5. Install coolant reservoir bracket and coolant reservoir assembly onto upper bracket and tighten capscrews.

   See Figure 25 for lift truck models
   - H6.0FT, H7.0FT (H135FT, H155FT) (H006, J006, K006)

   See Figure 13 for lift truck models below equipped with Cummins QSB 3.3L diesel engine
   - H8.0FT, H8.0FT9, H9.0FT (H170FT, H175FT36, H190FT) (A299, B299)

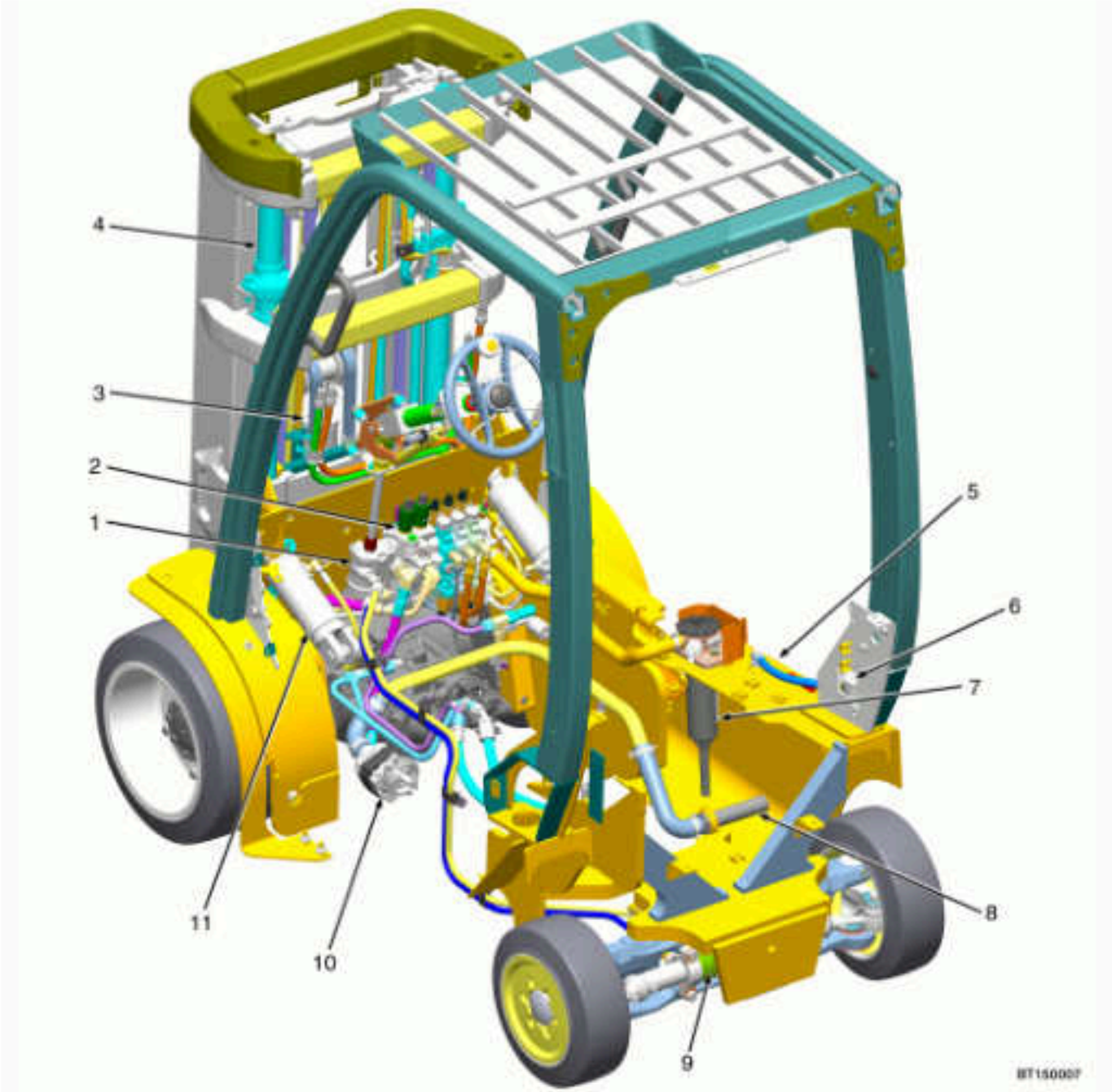
   See Figure 14 for lift truck models below equipped with GM 5.7L LPG engine
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   See Figure 15 for lift truck models equipped with Kubota 3.8L Diesel engine
   - H8.0FT, H8.0FT9, H9.0FT (H170FT, H175FT36, H190FT) (B299)

6. Uncap and connect auxiliary coolant reservoir hose and tighten clamp.

7. Remove caps from the oil cooler and transmission lines and connect lines into oil cooler.

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1. STEERING CONTROL UNIT (SCU)
2. MAIN HYDRAULIC CONTROL VALVE
3. FREE LIFT CYLINDER (CENTER)
4. LIFT CYLINDERS (2 USED)
5. HYDRAULIC TANK
6. BREATHER
7. RETURN FILTER
8. SUCTION SCREEN
9. STEERING CYLINDER
10. GEAR PUMP
11. TILT CYLINDERS (2 USED)

Figure 9050-10-1. Hydraulic Component Locator (1.0-5.5 Ton Shown)

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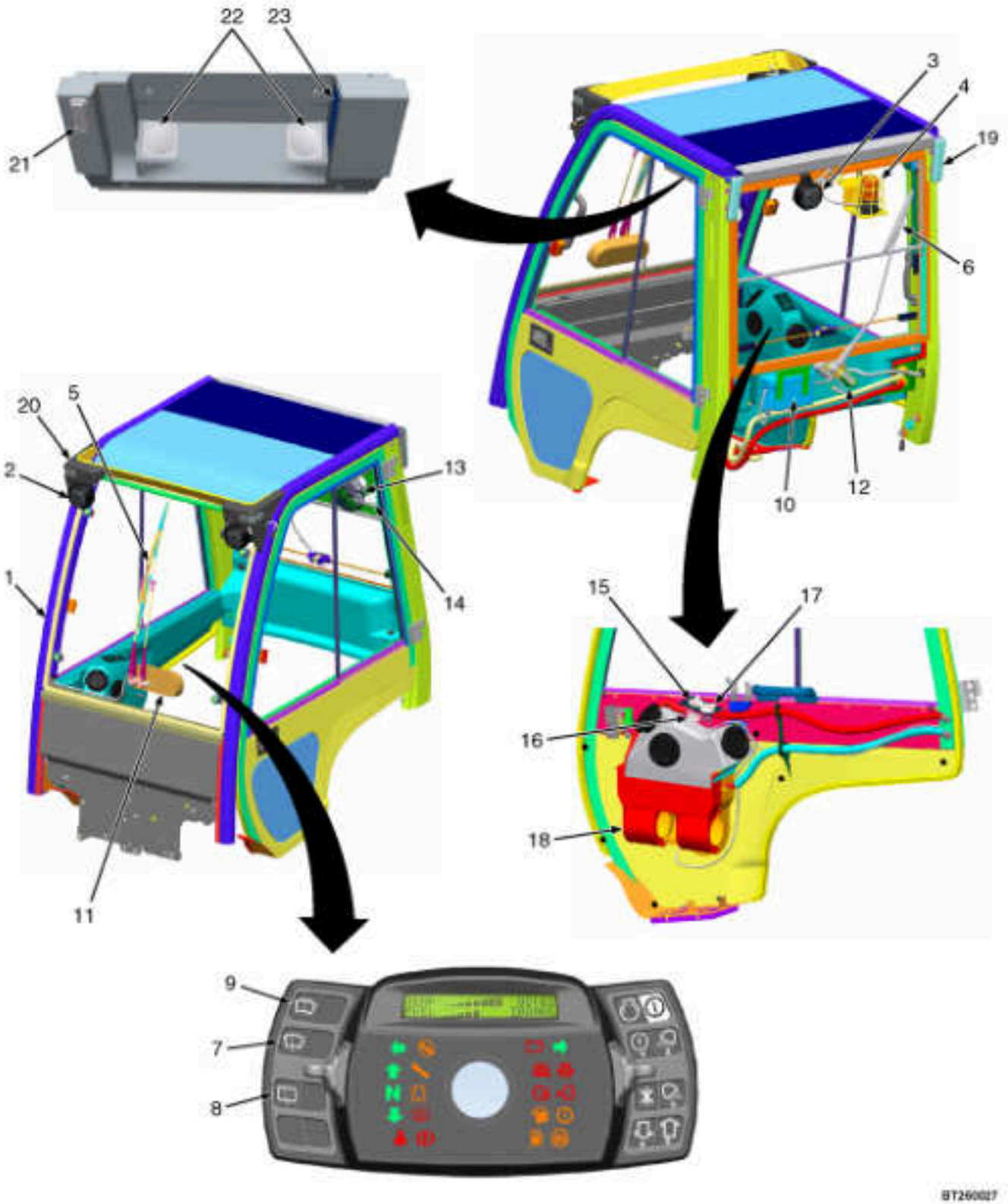


Figure 9060-10-25. Cab Component Locations

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