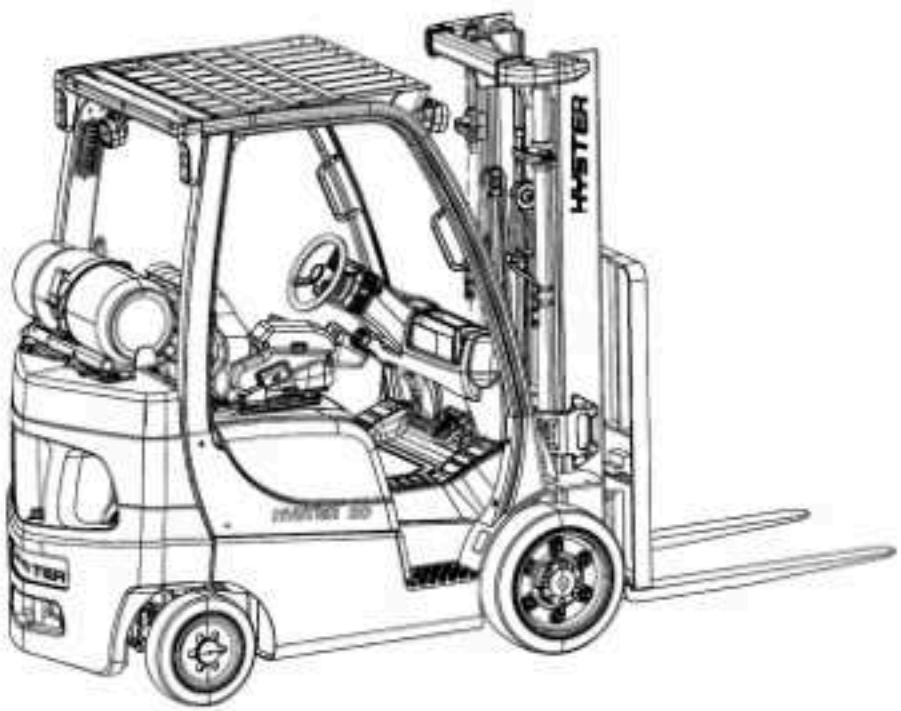
SERVICE MANUAL

G187 (S40-50-60-70FT S55FTS)



Rev. 08/14

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SECTION 9010

OPERATIONAL DIAGNOSTIC PROCEDURES

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CAUSE D - FAULTY CYLINDER HEAD GASKET, CYLINDER HEAD, OR ENGINE BLOCK.

PROCEDURE OR ACTION:

1. Check for oil in combustion chamber (blue smoke in exhaust). See Observed Symptoms, Engine Exhaust is Discolored, Page 9020-30-73.
2. Check for oil in coolant. See Observed Symptoms, Engine Coolant is Discolored, Page 9020-30-72.

CAUSE E - ENGINE OIL PROBLEMS

PROCEDURE OR ACTION:

1. Verify the following:
   - Verify correct engine oil is being used.

   Is the correct engine oil being used?
   YES: Go to Step 2.
   NO: Drain and refill with correct oil. See **Operating Manual**.
2. Verify engine oil system is not leaking.
   Is engine oil system leaking?
   YES: See Observed Symptom Observed Symptoms, Engine Oil Leaks, Page 9020-30-63.
   NO: For Diesel engines, go to Cause F. For Mazda and GM engines, resume operation.

CAUSE F - FUEL SYSTEM PROBLEMS (DIESEL ENGINES).

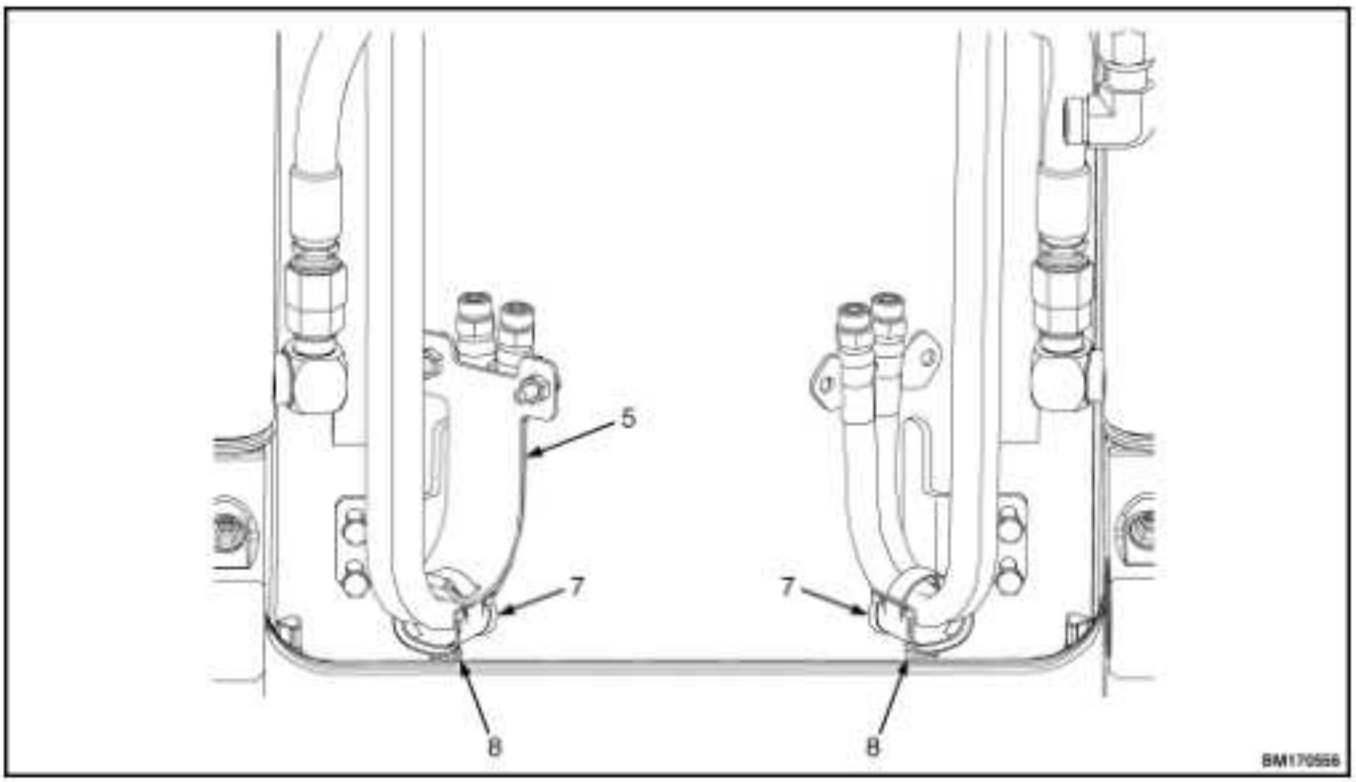
PROCEDURE OR ACTION:

1. Check the following:
   - Check for excessive injection volume from fuel injection pump.

   Is fuel system working properly?
   YES: Resume operation.
   NO: Repair fuel system. Refer to appropriate **Kubota Diesel Engines** or **Yanmar Diesel Engines** manual, depending on lift truck model. For Cummins 4.5L and QSB 3.3L engines, contact your local **HYSTER** dealer or see **Hyster Hypass Online** .

END SYMPTOM

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A. DIMENSION = 100 ±10 mm (4.0 ±0.40 in.)

B. DIMENSION = 500 ±2.0 mm (20.0 ±0.08 in.)

1. SPACER
2. HOSE SHEAVE
3. MID-OUTER CROSSMEMBER
4. BRACKET
5. TURNAROUND BRACKET (THREE-FUNCTION)
6. TURNAROUND BRACKET (FOUR-FUNCTION)
7. HOSE CLAMP
8. WORM SCREW CLAMP

Distance Installed	Hose Tension
505 mm (19.8 in.)	1%
510 mm (20.1 in.)	2%
515 mm (20.3 in.)	3%

Figure 52. Header Hose Dimensions and Installation, Two-Stage LFL Mast (Sheet 2 of 2)

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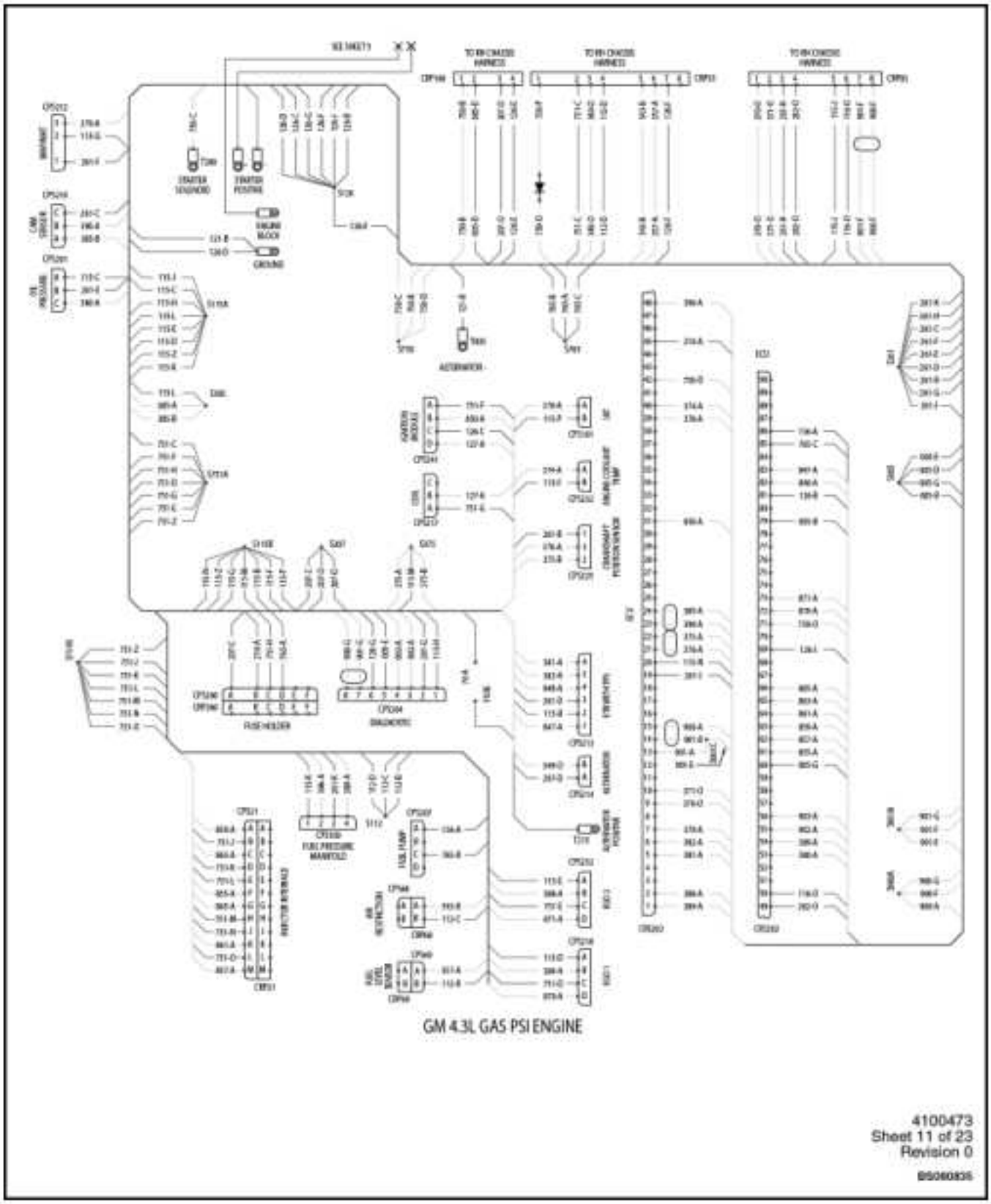
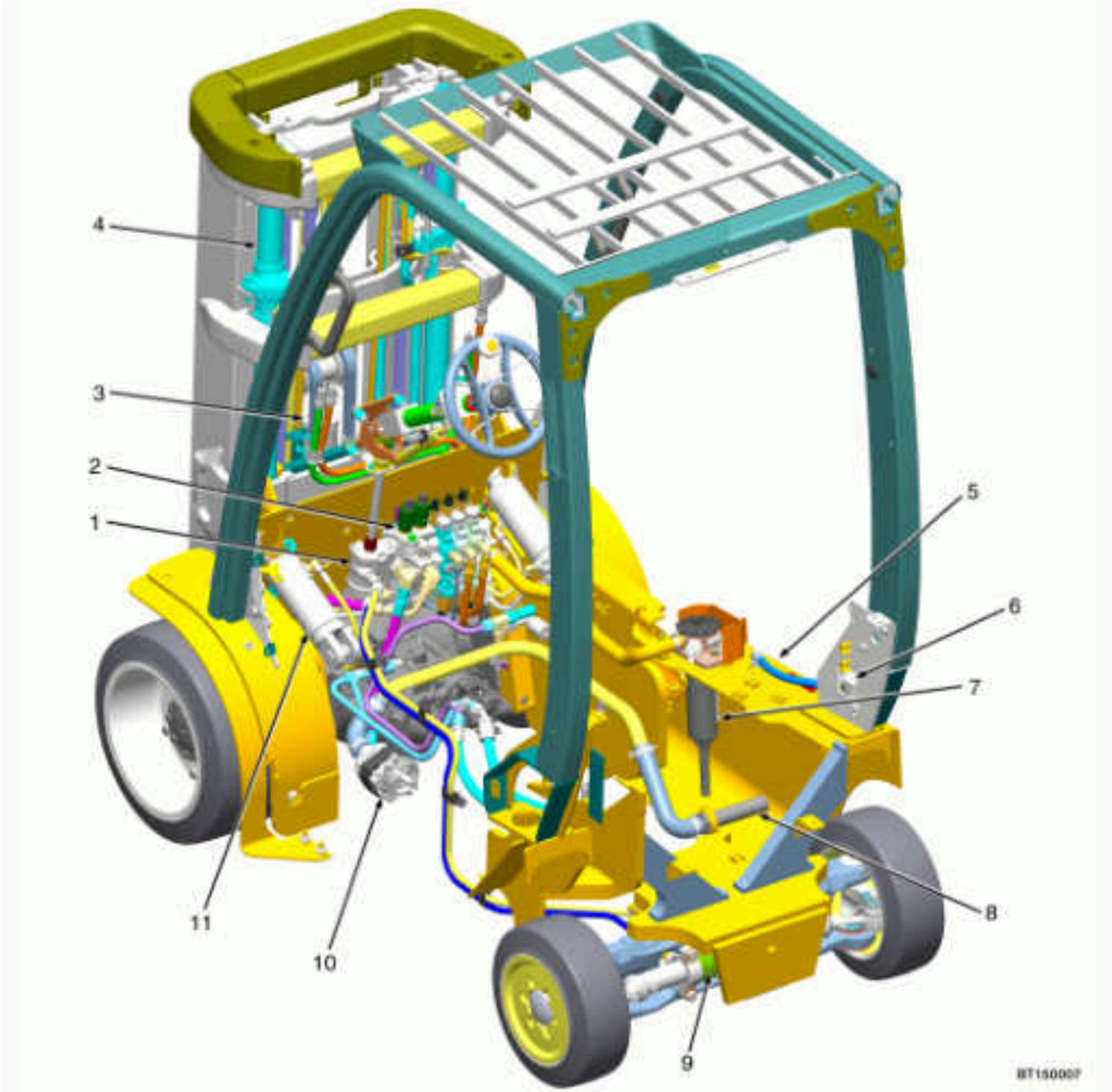


Figure 35. GM 4.3L Gas PSI Engine Wiring Diagram

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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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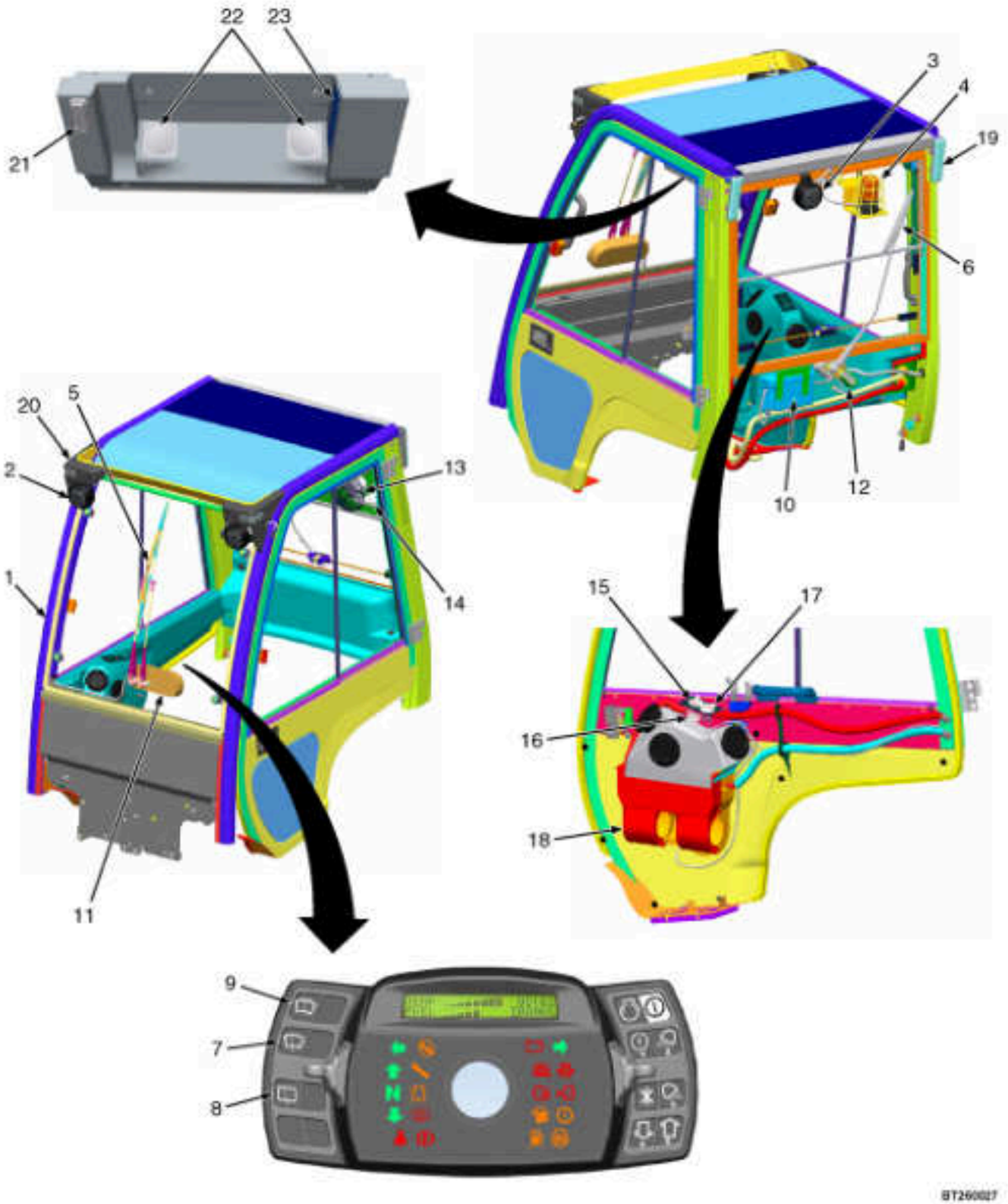


Figure 9060-10-25. Cab Component Locations

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