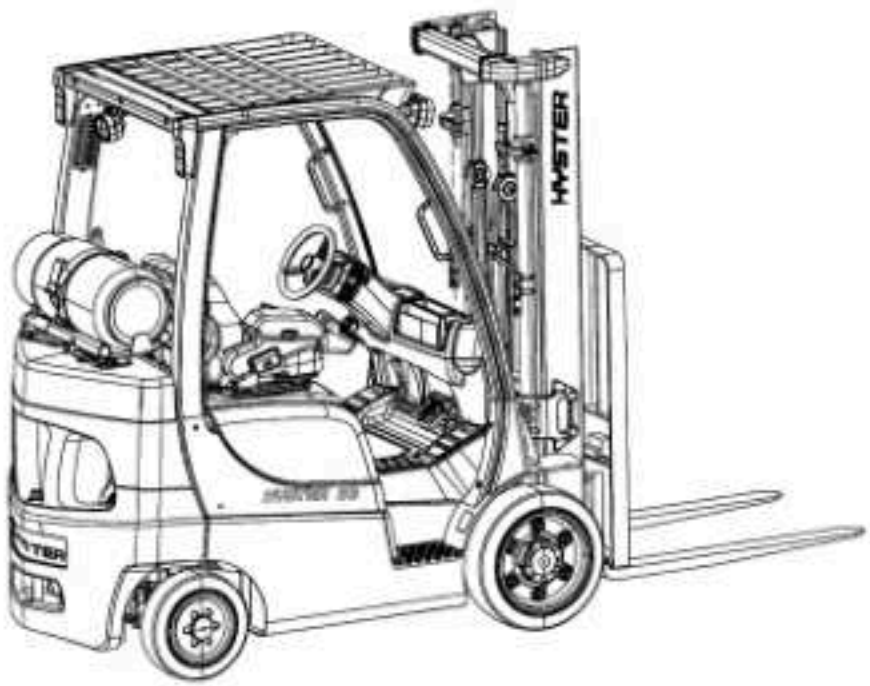
SERVICE MANUAL

S30FT, S35FT, S40FTS [E010];
H30FT, H35FT, H40FTS [F001]



Rev. 06/14

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Mast is Loose

POSSIBLE CAUSE

A. MAST DAMAGED
B. LOOSE OR MISSING MAST MOUNTING HARDWARE
C. MAST NOT SHIMMED CORRECTLY
D. DAMAGED LOAD ROLLERS OR WORN STRIP BEARINGS
E. CHANNELS WORN

CAUSE A - MAST DAMAGED

NOTE: See **Operating Manual**.

PROCEDURE OR ACTION:

1. Visually inspect mast for damage.
   Is the mast in good condition?
   YES: Go to Cause B.
   NO: Repair or replace damaged components. For 1.0-3.5 Ton Cushion and Pneumatic Trucks, see **Mast Repairs (S/N A551, A555, A559, A661, A662, A663, A664, B507, B508, B509, B551, B555, B559, B562, B563, B564, B661, B662, B663, C515, C551, C555, C559, D507, D508, D509, D515, D562, D563, D564, E509, and E564)** 4000SRM1148. For 4.0-7.0 Ton Cushion and Pneumatic Trucks, see **Mast Repairs (S/N A513, A514, A613, A614, A702, A703, A704, A705, A706, A707, A751, A752, B513, B514, B586, B587, B588, B589, B590, B591, B749, B750, B751, B752, B753, B754)** 4000SRM1250. For 8.0-9.0 Ton Cushion and Pneumatic Trucks, see **Mast Repair (S/N A513, A514, A613, A614, A643, A644, A683, A684)** 4000SRM1406.

CAUSE B - LOOSE OR MISSING MAST MOUNTING HARDWARE

PROCEDURE OR ACTION:

1. Inspect mast mounting hardware.
   Is mounting hardware in good condition and torqued correctly?
   YES: Go to Cause C.
   NO: Replace mast mounting hardware. For 1.0-3.5 Ton Cushion and Pneumatic Trucks, see **Mast Repairs (S/N A551, A555, A559, A661, A662, A663, A664, B507, B508, B509, B551, B555, B559, B562, B563, B564, B661, B662, B663, C515, C551, C555, C559, D507, D508, D509, D515, D562, D563, D564, E509, and E564)** 4000SRM1148. For 4.0-7.0 Ton Cushion and Pneumatic Trucks, see **Mast Repairs (S/N A513, A514, A613, A614, A702, A703, A704, A705, A706, A707, A751, A752, B513, B514, B586, B587, B588, B589, B590, B591, B749, B750, B751, B752, B753, B754)** 4000SRM1250. For 8.0-9.0 Ton Cushion and Pneumatic Trucks, see **Mast Repair (S/N A513, A514, A613, A614, A643, A644, A683, A684)** 4000SRM1406.

CAUSE C - MAST NOT SHIMMED CORRECTLY

PROCEDURE OR ACTION:

1. Inspect mast shimming. For 1.0-3.5 Ton Cushion and Pneumatic Trucks, see **Mast Repairs (S/N A551, A555, A559, A661, A662, A663, A664, B507, B508, B509, B551, B555, B559, B562, B563, B564, B661, B662, B663, C515, C551, C555, C559, D507, D508, D509, D515, D562, D563, D564, E509, and E564)** 4000SRM1148. For 4.0-7.0 Ton Cushion and Pneumatic Trucks, see **Mast Repairs (S/N A513, A514, A613, A614, A702, A703, A704, A705, A706, A707, A751, A752, B513, B514, B586, B587, B588, B589, B590, B591, B749, B750, B751, B752, B753, B754)** 4000SRM1250. For 8.0-9.0 Ton Cushion and Pneumatic Trucks, see **Mast Repair (S/N A513, A514, A613, A614, A643, A644, A683, A684)** 4000SRM1406.
   Is the mast shimmed correctly?
   YES: Go to Cause D.
   NO: Shim or adjust as required.

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Technical Data

Table 2 shows the technical data specifications for the Mazda 2.0L and 2.2L gasoline fuel systems.

Table 2. Gasoline Fuel Systems Technical Data

Item		Engine	
		2.0L	**2.2L**
Idle speed		775 to 825 (800 ±25) rpm	
Fuel pressure	Fuel line pressure	260 to 310 kPa (37 to 45 psi)	
	Fuel hold pressure	More than 140 kPa (20 psi)	
Fuel injector	Resistance (20°C (68°F))	14.2 to 14.8 Ohms	
	Fuel leakage	Less than 1 drop/2 minutes	
	Injection volume	56 to 61 ml (1.9 to 2.0 oz)/15 seconds (using a fuel injector tester).	
Pressure regulator	Fuel line pressure (At vacuum **ON**)	200 to 240 kPa (29 to 35 psi)	
	Fuel line pressure (At vacuum **OFF**)	260 to 310 kPa (37 to 45 psi)	

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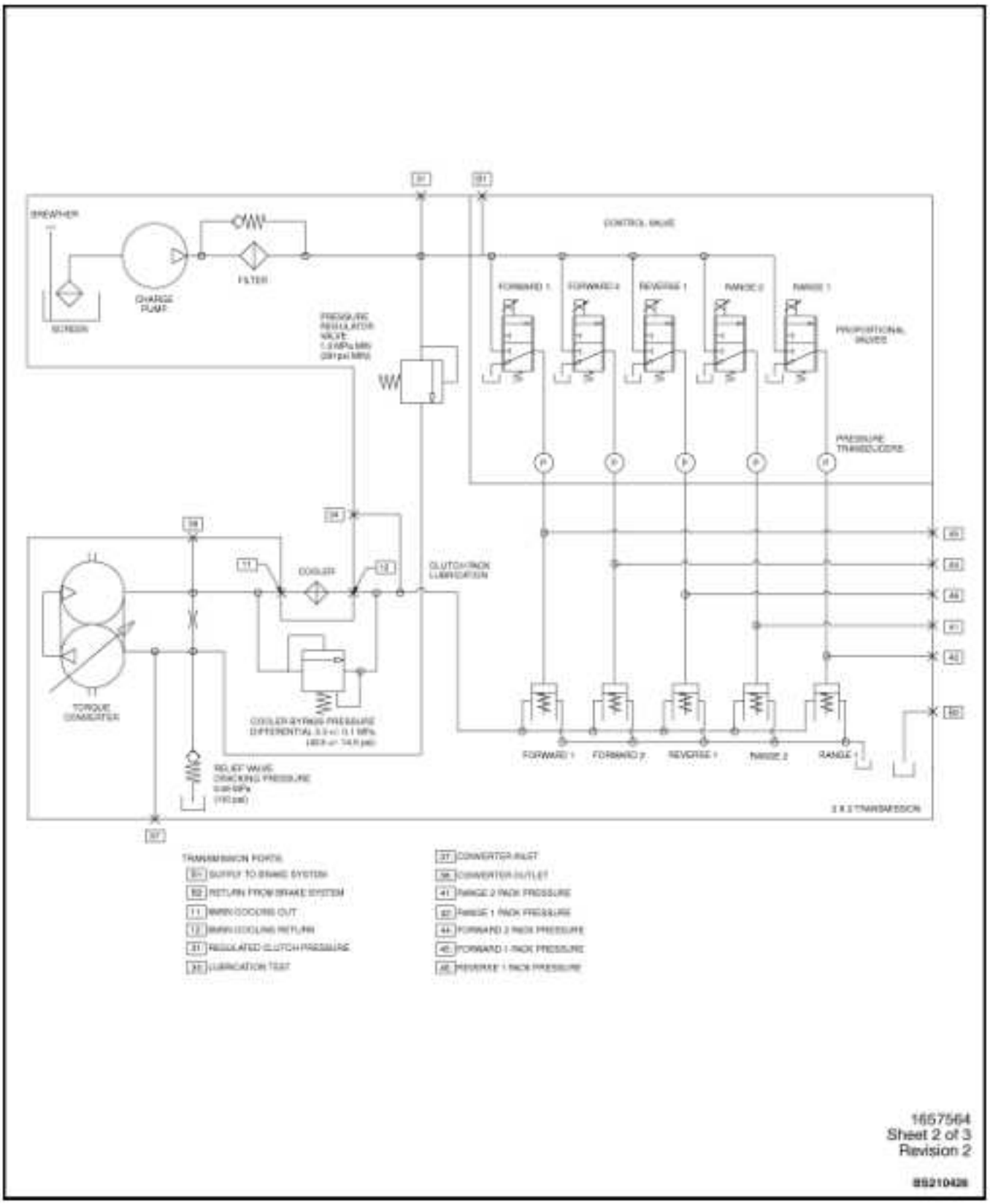
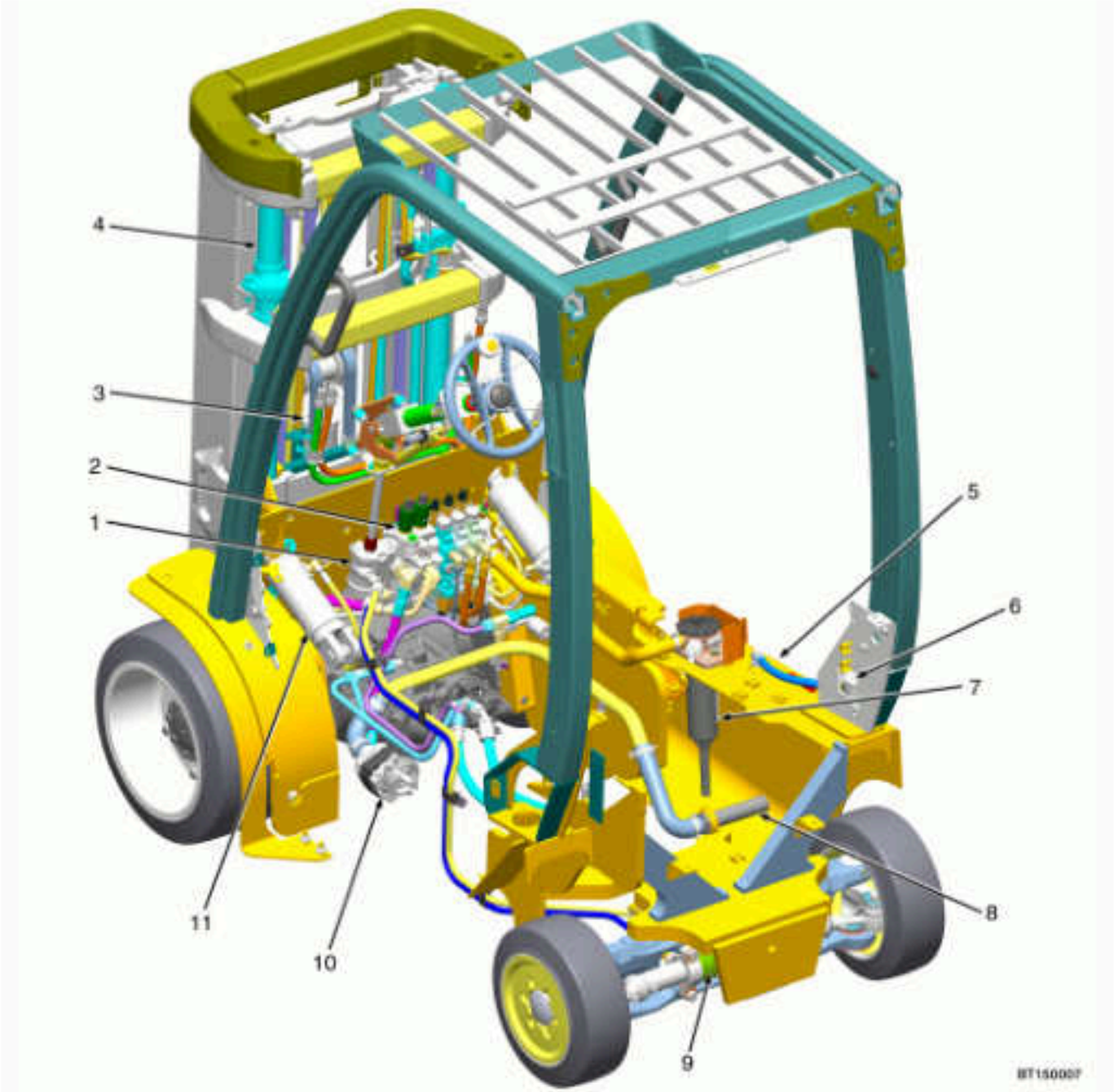


Figure 64. Transmission Hydraulic Schematic for Lift Truck Models S6.0FT, S7.0FT (S135FT, S155FT) (F024, G024) and H6.0FT, H7.0FT (H135FT, H155FT) (K006) (Sheet 2 of 3)

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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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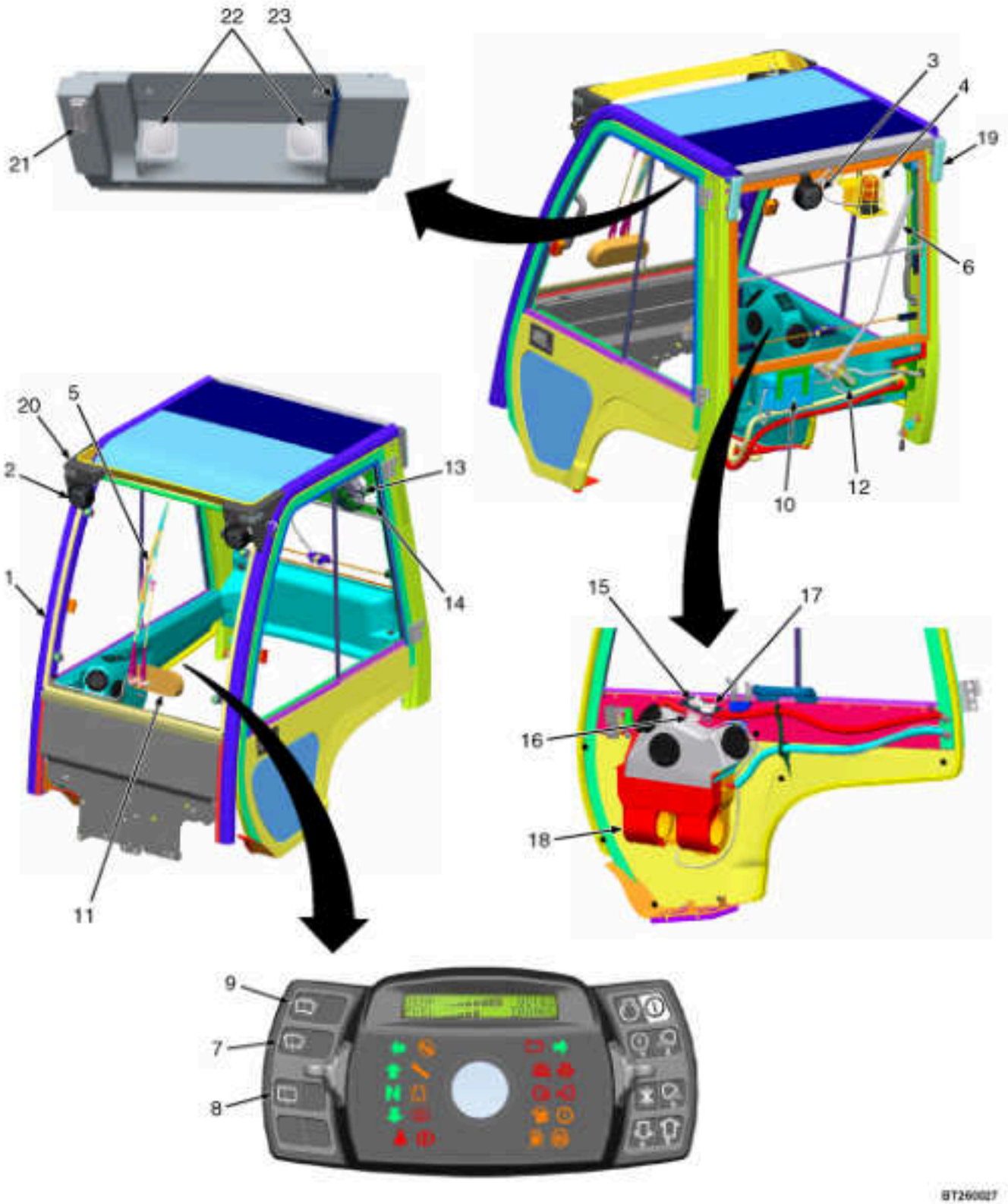


Figure 9060-10-25. Cab Component Locations

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