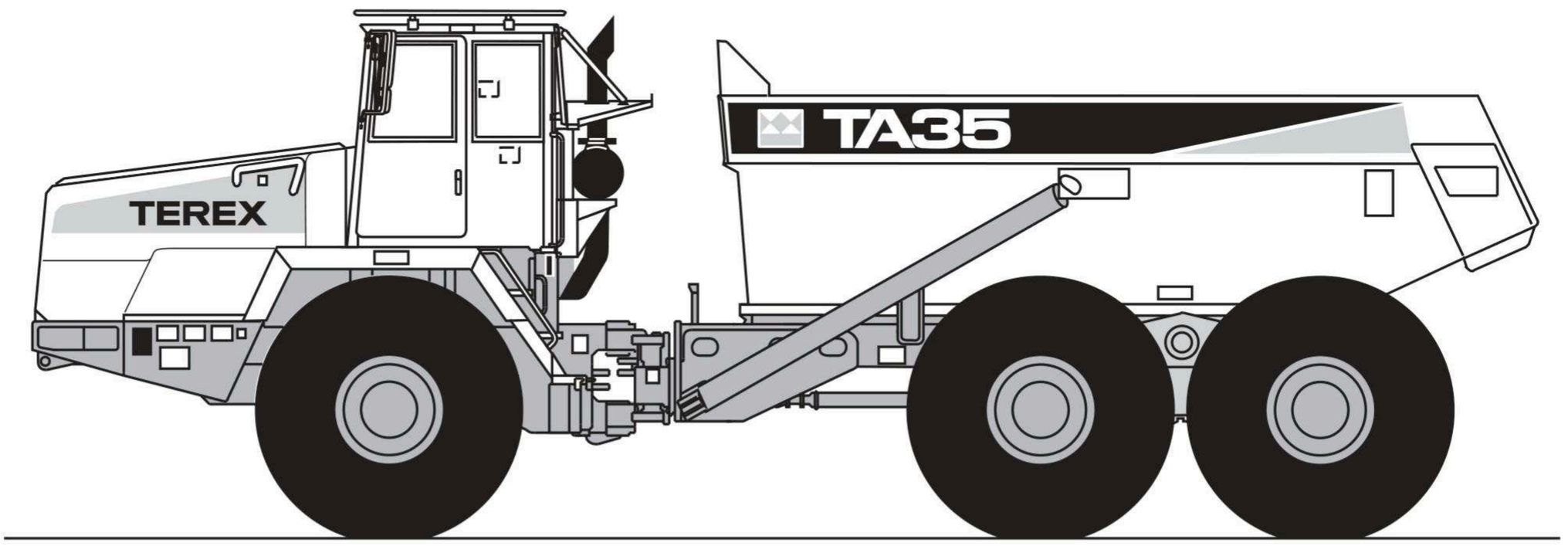
TEREX

TA35
Articulated Dumptruck
Maintenance Manual



TECHNICAL PUBLICATIONS DEPARTMENT
TEREX EQUIPMENT LIMITED
MOTHERWELL, SCOTLAND ML1 5RY
REF. NO. SM836

SM 2123 2-02

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DISASSEMBLY

Numbers in parentheses refer to Fig. 1.

> **WARNING**
> **To prevent personal injury and property damage, be sure lifting equipment is properly secured and of adequate capacity to do the job safely.**

1. Remove locknuts (21), hardened washers (25) and bolts (17) securing front axle assembly on suspension frame (1). Using suitable lifting equipment, remove front axle assembly from suspension frame (1).

2. Remove bolts (18) and washers (25) securing pin assemblies (10) and suspension mounts (6) to suspension frame (1).

3. Remove suspension mounts (5) and locator plate (32) assemblies from suspension frame (1).

4. If required, press spherilastic bearing (12) from suspension frame (1).

ASSEMBLY

Numbers in parentheses refer to Fig. 1.

Note: Tighten all fasteners without special torques specified to standard torques listed in Section 300-0080, STANDARD BOLT AND NUT TORQUE SPECIFICATIONS.

> **WARNING**
> **To prevent personal injury and property damage, be sure lifting equipment is properly secured and of adequate capacity to do the job safely.**

1. Using suitable lifting equipment, position front axle assembly on suspension frame (1) and secure with bolts (17), hardened washers (25) and locknuts (21). Tighten locknuts (21) to a torque of 869 Nm (627 lbf ft).

2. If bearing (12) was removed during disassembly, install a new spherilastic bearing as follows:

a. Enter spherilastic bearing (12) into bore in suspension frame (1), ensure flats on shaft are perpendicular to the main suspension plate.

b. Mark a slot on bearing (12) and face of suspension frame (1) adjacent to slot on bearing and remove bearing (12). Apply Loctite to bearing surface.

c. Using press tool and power press (See Special Tools), install bearing (12) in suspension frame (1), ensuring that bearing (12) does not twist during pressing operation.

d. Re-check angle of shaft with level gauge.

3. Install suspension mounts (5) and plate (32) assemblies on locating bosses on suspension frame (1).

4. Install suspension mounts (6) and pin assemblies (10) to axle mounts and secure using bolts (18) and washers (25).

INSTALLATION

Numbers in parentheses refer to Fig. 1.

> **WARNING**
> **To prevent personal injury and property damage, be sure lifting equipment is properly secured and of adequate capacity to do the job safely.**

1. Position suspension frame (1) assembly and trolley under the front frame with bearing (12) to the rear.

2. Using suitable lifting equipment, lift suspension frame (1) assembly and locate bearing (12) to its mounting bracket. Install bushes (13) through bearing (12) and secure with bolts (15), hardened washers (25) and locknuts (21). Tighten locknuts (21) to a torque of 869 Nm (627 lbf ft).

3. Apply a small bead of Hylosil Sealant around the top edge of rubber mounts (5 & 6). Mount two hydraulic jacks (See Special Tools) between outside shock absorber mountings.

4. Align holes in rubber mounts (5) and locator plate (32) assemblies with mounting pins on suspension frame (1). Install rubber mounts (6) and pin assemblies (10) and secure with bolts (18) and hardened washers (25). Using a hydraulic pump to operate hydraulic jacks, compress rubber mounts.

5. Connect chain and shackle assemblies (28) between suspension frame (1) and tractor frame and secure with bolts (29), lockwashers (30) and locknuts (31).

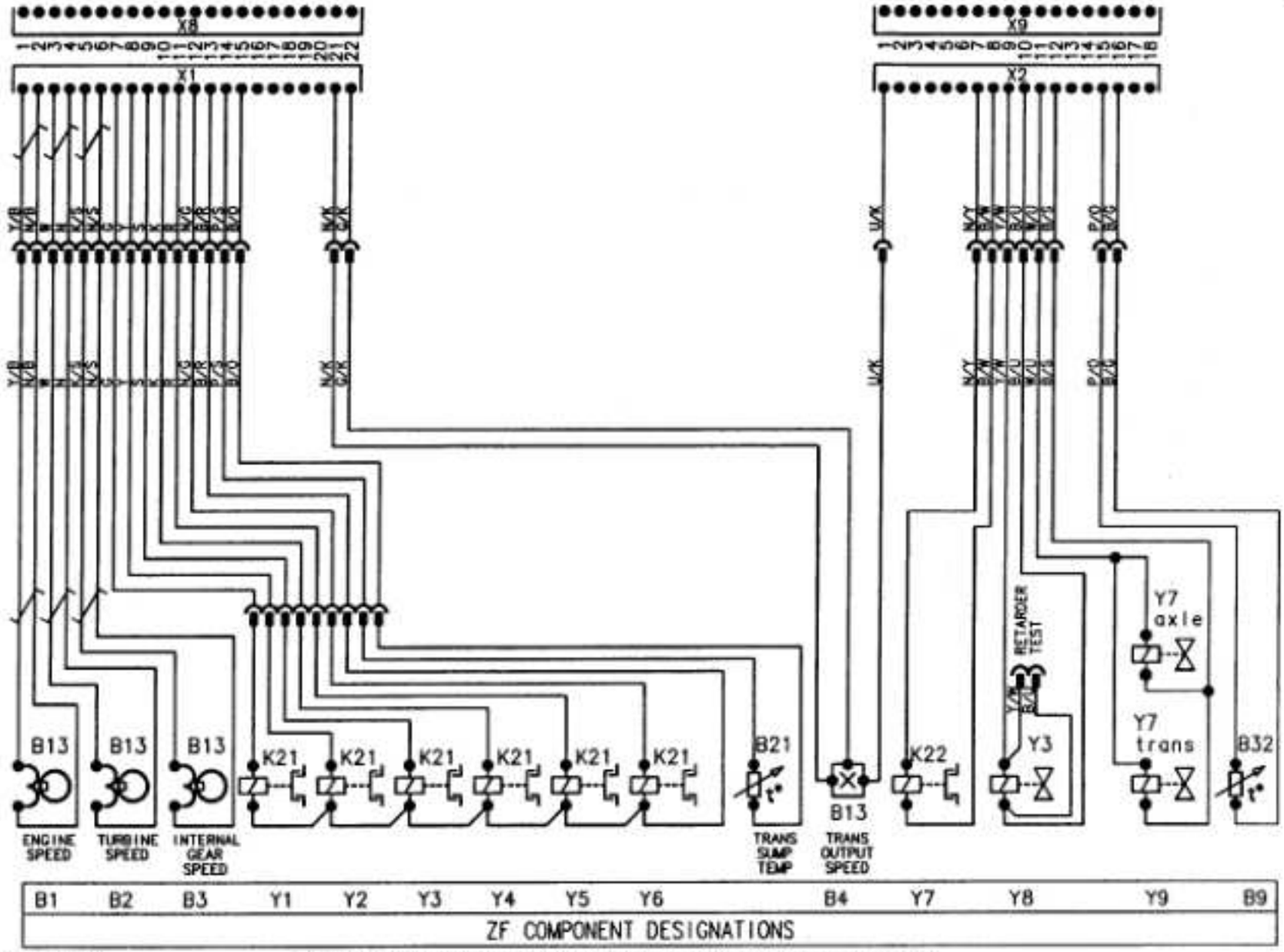
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AIR CONDITIONING DIAGNOSIS		TABLE158
CONDITION	PROBLEM	REMEDY
1. Belt Trouble		
Slipping	Loose	Adjust belt to 12 mm (0.5 in) depression
	Overcharge	Correct the charge
	Air in system	Evacuate and re-charge
Excessive wear	Pulley not aligned	Align Pulley
	Belt too tight	Adjust or replace
	Bad idler bearing	Replace idler bearing
	Belt wrong width	Replace with correct belt
2. Vibration/Noise in Compressor area		
Vibration/noise	Stuck compressor or clutch	Replace
Vibration	Overcharge	Correct the charge
	Air in system	Evacuate system and re-charge
	Compressor mounting or belts loose	Tighten
	Drive pulley loose	Tighten
	Belt tension incorrect	Correct tension
	Faulty compressor	Replace compressor
Noise with clutch engaged	Faulty clutch bearing	Replace bearing
Noise with clutch engaged or disengaged		
	Clutch loose	Tighten
Noise	Clutch rubbing field coil	Align clutch
	Faulty belt	Replace belt
	Compressor oil level low	Add oil
Chatter/Knock	Valve plate broken	Repair or replace

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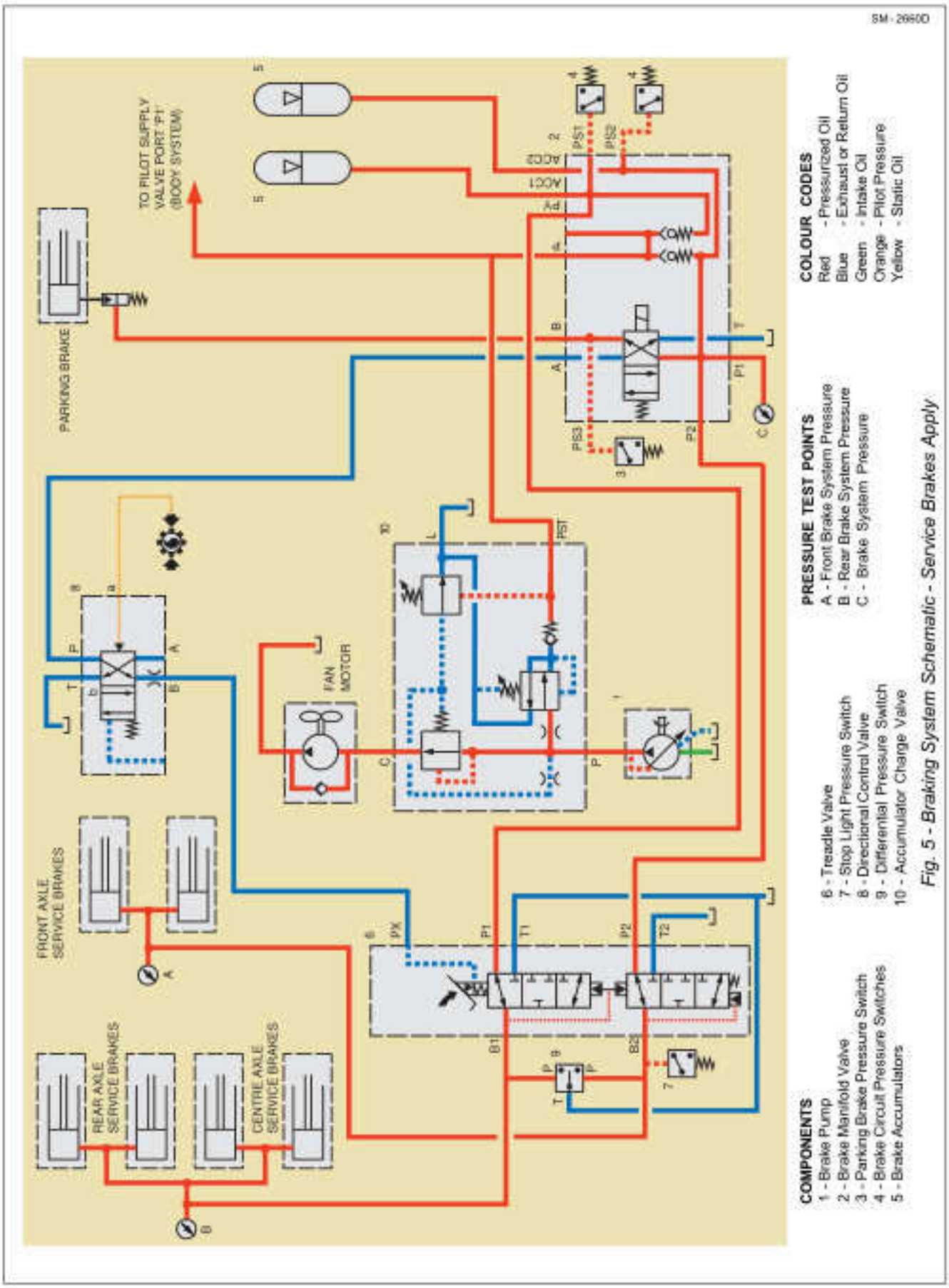
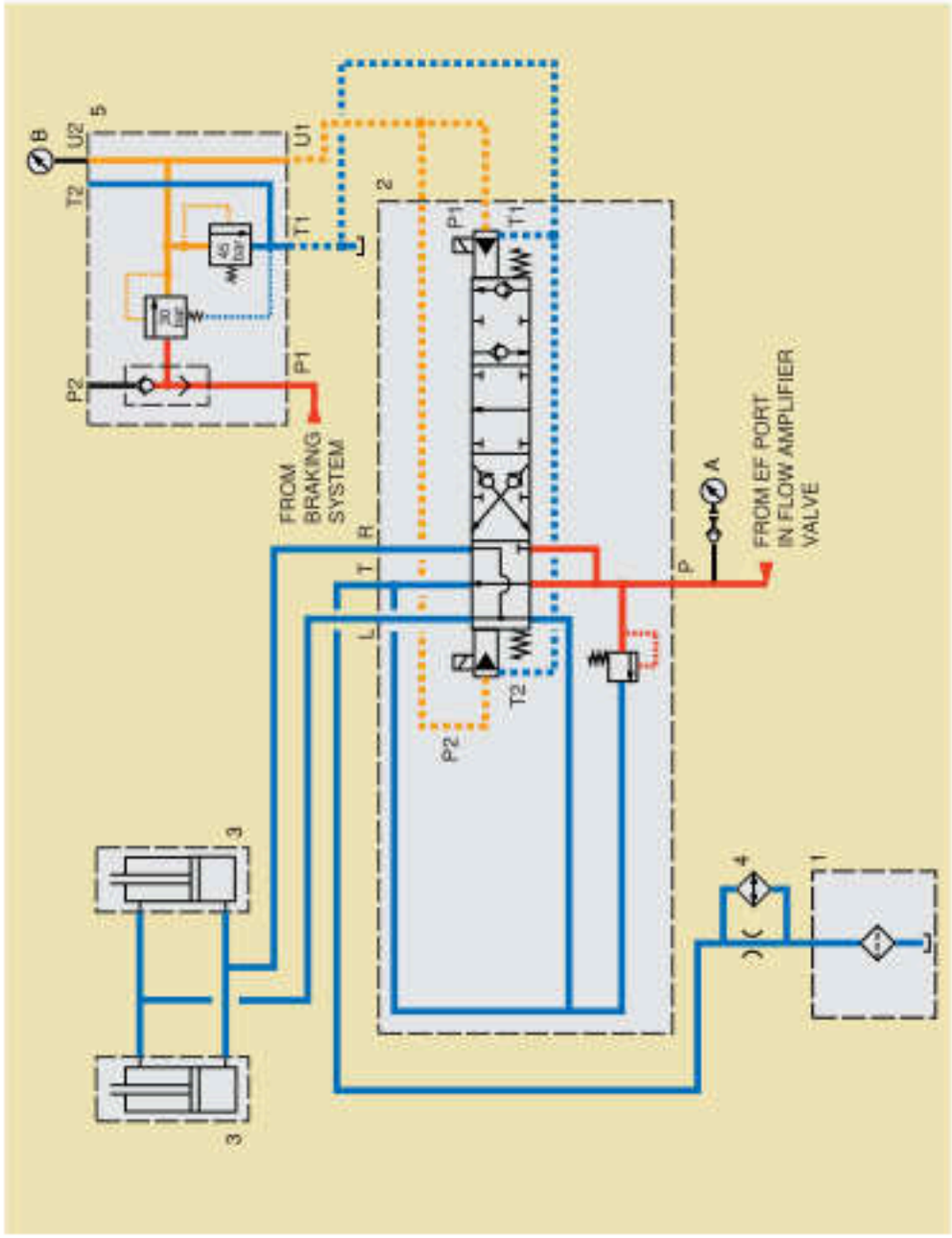


Fig. 5 - Braking System Schematic - Service Brakes Apply

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SM - 1648A



COMPONENTS
1 - Hydraulic Tank
2 - Body Control Valve
3 - Body Cylinders
4 - Hydraulic Oil Cooler
5 - Pilot Supply Valve

COLOUR CODES
Red - Pressurized Oil
Blue - Exhaust or Return Oil
Green - Intake Oil
Orange - Pilot Pressure
Yellow - Static Oil

Fig. 2 - Body Hoist System Schematic - Body Control Valve in the 'Float' Position

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