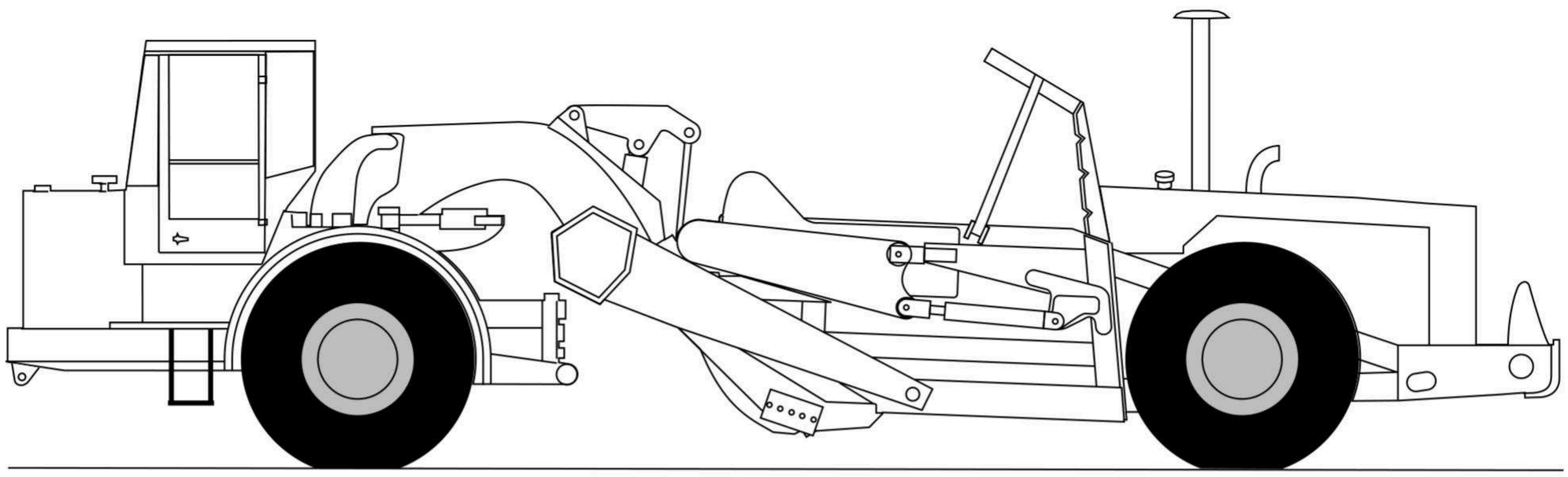
TEREX

TS14G
Overhung Scraper
Maintenance Manual



TECHNICAL PUBLICATIONS DEPARTMENT
TEREX EQUIPMENT LIMITED,
MOTHERWELL, SCOTLAND, ML1 5RY
REF. NO. 790

SM 1882 Rev 1 3-01

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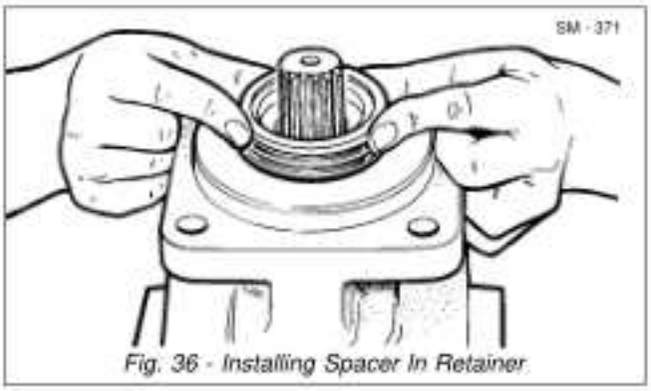


Fig. 36 - Installing Spacer In Retainer

shaft end cover (6) against seal retainer (3). See Fig. 36.

21. Install snap ring (1) in shaft end cover (6) snap ring groove.

INSTALLATION AND RUN-IN

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

Note: Tighten all hydraulic lines fitted with ORFS connections, as described in Section 235-0000, HYDRAULIC SYSTEM SCHEMATIC.

⚠ WARNING
To prevent personal injury and property damage, be sure blocking materials and lifting equipment are properly secured and of adequate capacity to do the job safely.

1. Coat the pump driveshaft spline with high grade plating-type molybdenum disulphide grease 15% minimum (typical).

2. With suitable lifting equipment position pump on mounting studs. Secure with lockwashers and nuts.

3. Fill all pump ports with clean hydraulic oil and connect lines to pump, as tagged during removal. Be sure pump support bracket is installed on pump at same location from which it was removed. Use the two longer flange bolts at this location.

4. Fill hydraulic tank to the proper level. Refer to Section 235-0040, HYDRAULIC TANK for correct oil level and, Section 300-0020, LUBRICATION SYSTEM for oil specification.

5. Operate the pump at least two minutes at zero pressure at engine idle speed. During this break-in period, it should run free and not develop excessive heat. If the pump becomes hot to touch, it is binding and might seize. The pump will then have to be rebuilt with extra care to avoid binding. If the pump runs properly, speed and pressure can be increased to normal operating values.

6. Check pump mounting and line connections for leaks. Remove wheel blocks.

LUBRICATION

All pump parts are lubricated by the hydraulic oil. The oil, therefore, must be kept clean to minimize pump wear. Whenever there is a hydraulic system failure, the oil should be drained, the entire system flushed, oil filters replaced, oil screens thoroughly cleaned and fresh hydraulic oil installed to eliminate all metal particles or foreign matter.

Refer to Section 300-0020, LUBRICATION SYSTEM, for recommended periodic oil drain periods and oil specifications.

SPECIAL TOOLS

The special tools shown in use in Figs. 17 & 18 can be fabricated as shown in Fig. 37. Refer to Section 300-0070, SERVICE TOOLS, for part numbers of general service tools and adhesives required. These tools and adhesives are available from your dealer.

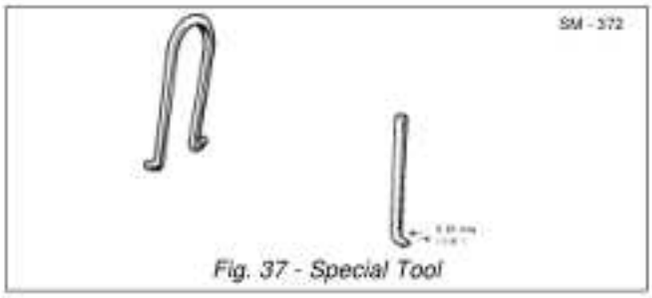


Fig. 37 - Special Tool

SPECIAL TORQUE SPECIFICATIONS

FIG. NO.	ITEM NO.	ITEM NAME	TORQUE	
			Nm	lbf ft
1 & 6	31	Nut	271	200

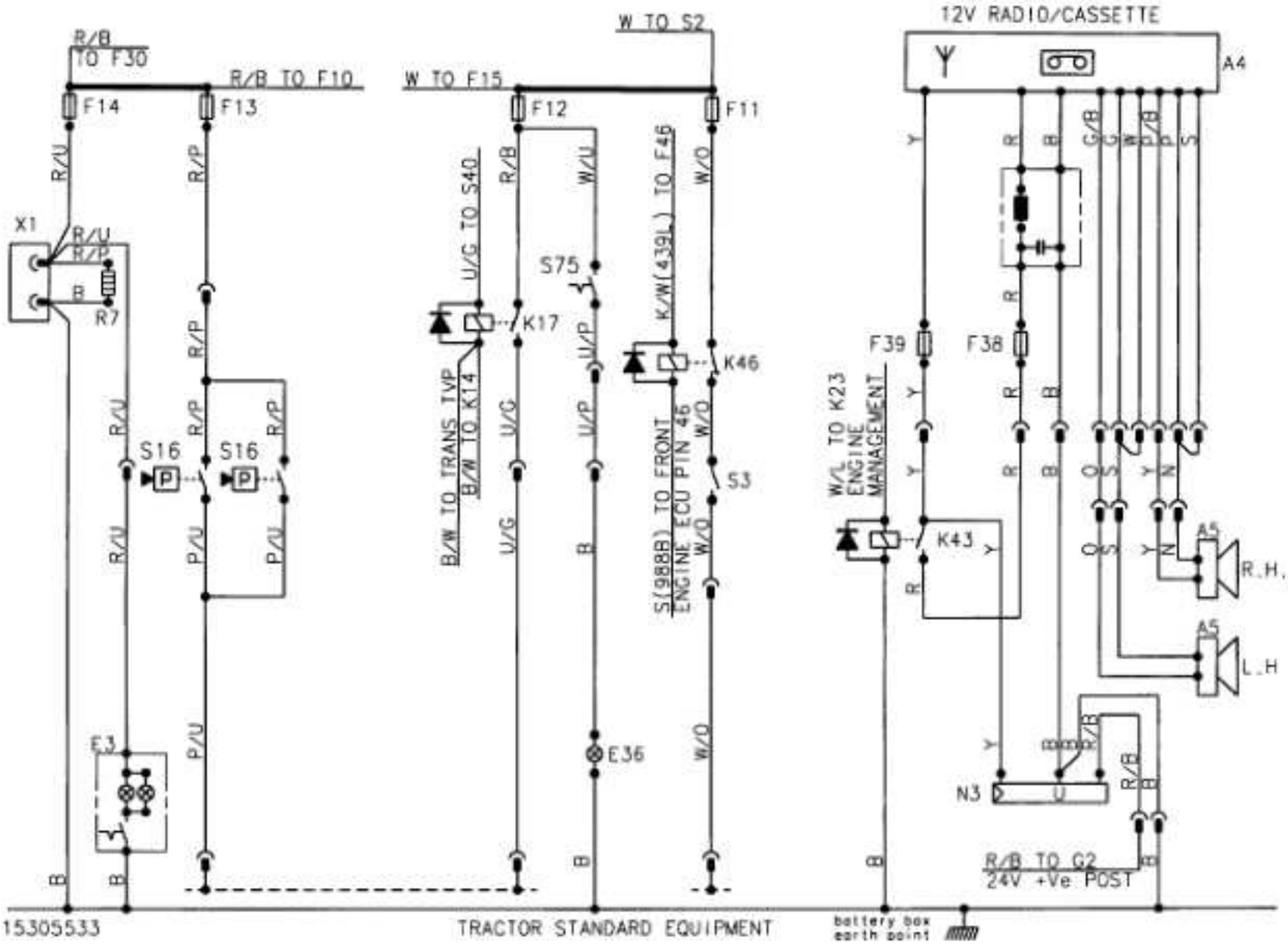
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BRAKING SYSTEM DIAGNOSIS (Continued)		
CONDITION	REASON	REMEDY
Air pressure too low	Pressure gauge registering incorrectly	Replace gauge and/or gauge sender unit.
	Defective compressor	Repair or replace air compressor. Refer to ENGINE MAINTENANCE MANUAL.
	Excessive leakage.	Trace brake lines by referring to Fig. 1. Install test gauge at various points in the system to determine location of trouble. Test operation of faulty component as outlined in air brake control component sections. Repair or replace, as recommended. Check brake air lines for leaks.
	Air tank drain cock open or leaking	Tighten or install new drain cock.
	Faulty air drier unloader valve	Repair or replace air drier unloader valve. Refer to Section 250-0200, AIR DRIER.
Compressor knocks continuously or intermittently	Excessive backlash in drive gears or drive coupling	Correct backlash. Refer to ENGINE MAINTENANCE MANUAL.
	Worn or burnt out bearings	Replace faulty components or compressor. refer to ENGINE MAINTENANCE MANUAL.
	Excessive carbon deposits in compressor cylinder head	Remove the compressor head and clean. Refer to ENGINE MAINTENANCE MANUAL.
Brakes release too slowly	Defective brake chamber	Repair or replace faulty component as recommended in Section 250-0260, BRAKE CHAMBER.
	Treadle valve not returning to fully released position	Repair or replace faulty component as recommended in Section 250-0070, TREADLE VALVE.
	Exhaust port of treadle valve or relay valve restricted or plugged	Repair or replace faulty component as recommended in Section 250-0070, TREADLE VALVE and 250-0280, RELAY EMERGENCY VALVE.
Air pressure drops quickly with engine stopped and brakes released	One or more faulty air control components in brake air line, or leak in lines	Trace brake lines by referring to Fig. 1. Install a test gauge at various points in the system to determine location of trouble. Test operation of faulty component as outlined in air brake control component sections. Repair or replace, as recommended. Check brake air lines for leaks.
Air pressure rises to normal reading too slowly	Excessive leakage	Trace brake lines by referring to Fig. 1. Install a test gauge at various points in the system to determine location of trouble. Test operation of faulty component as outlined in air brake control component sections. Repair or replace, as recommended. Check brake air lines for leaks.
	Engine speed too slow	Correct condition. Refer to ENGINE MAINTENANCE MANUAL.

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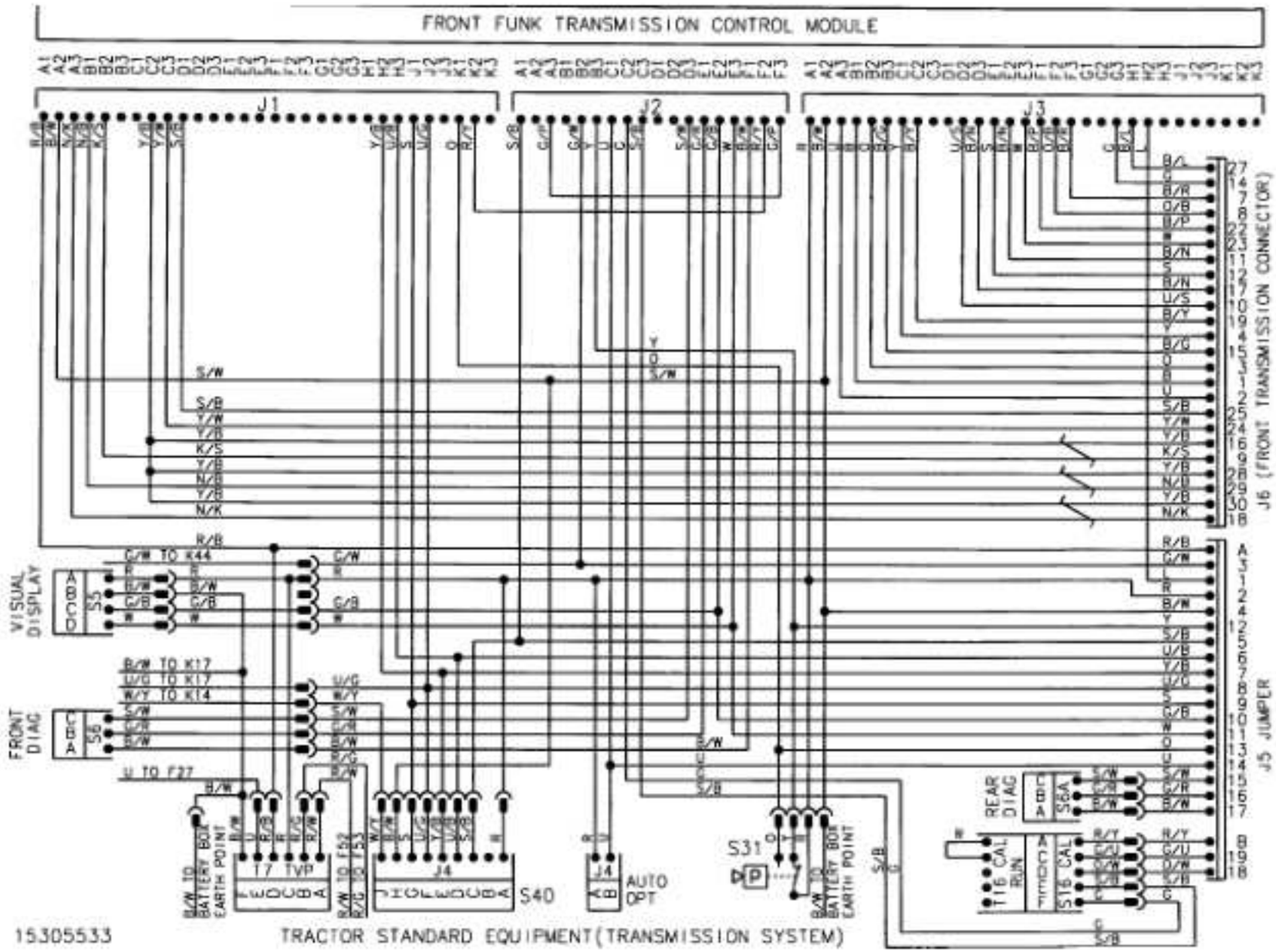
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