SERVICE MANUAL

TS6020 / TS6030 / TS6030HC

Tractor

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MidWestTech | New Holland TS6020, TS6030, TS6030HC Tractor Service Manual | Publication 84547569

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CONNECTOR X-003 — CAB POWER CONNECTOR

CONNECTOR X-003 — CAB POWER CONNECTOR			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
1	-	-	**Wiring harness - Electrical schematic frame 10 (A.30.A)** **Wiring harness - Electrical schematic frame 18 (A.30.A)**
2	MR–150D (N) CH–150 (N)	Power signal from fuse #12 **Z-001** Power signal to cab power relay **K-004**	
3	MR–150E (N) CH–150G (N)	Power signal from fuse #13 **Z-001** Power signal to Front and rear work lamp relay **K-005**	**Wiring harness - Electrical schematic frame 10 (A.30.A)** **Wiring harness - Electrical schematic frame 18 (A.30.A)**
4	MR–57 (B) CH–57	Ground signal from splice **W-003** Ground signal to splice **SP-034**	**Wiring harness - Electrical schematic frame 03 (A.30.A)** **Wiring harness - Electrical schematic frame 17 (A.30.A)**

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Differential - General specification

Free plays and adjustments: Shaft

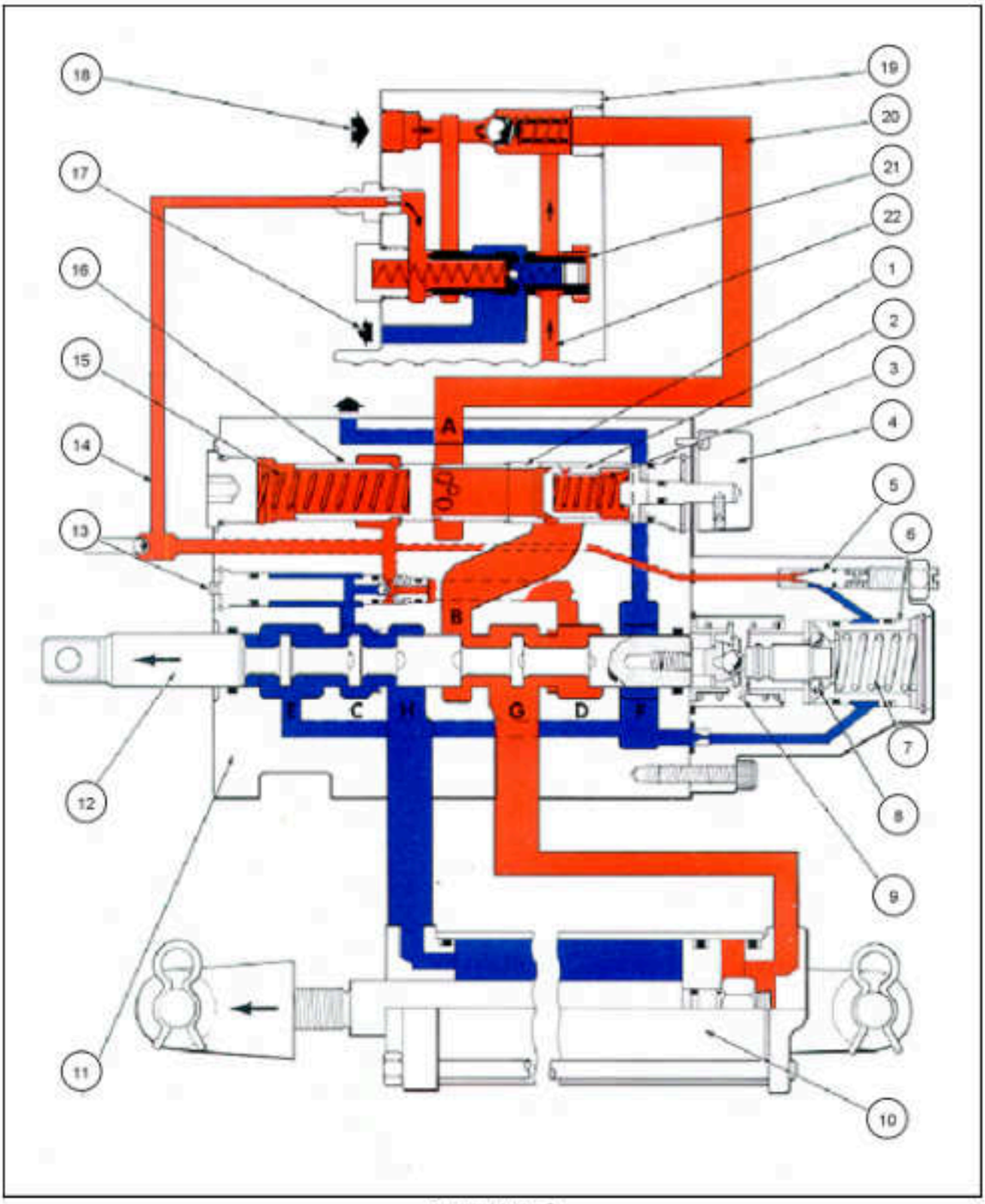
Front convergence	**0 - 6.0 mm** (**0.00 - 0.24 in**)
Resistance to turning of shaft hub bearing	Not adjustable, preadjusted
Shaft wheel free play	Not adjustable, preadjusted
Reciprocating bearing preload	**0.2 - 0.4 mm** (**0.008 - 0.016 in**), for calipers: **0.10 mm** (**0.004 in**), **0.19 mm** (**0.007 in**), **0.35 mm** (**0.014 in**)
Resistance to drive pinion bearing turning	**9.3 - 13.9 kgf** (**20.50 - 30.64 lbf**)
Free play between pinion and crown	**0.17 - 0.24 mm** (**0.007 - 0.009 in**)
Pinion and crown adjustment	Adjustable by calipers of : • **2.5 - 3.4 mm**, in units of **0.1 mm** • **0.100 - 0.136 in**, in unites of **0.004 in**
Resistance to turning of differential bearing	**3.8 - 4.8 kgf** (**8.38 - 10.58 lbf**)
Limits of clutch discs wear/Differential limited slip:	
Side disc (internal spline)	
New	**2.8 mm** (**0.110 in**)
Minimum shim	**2.7 mm** (**0.106 in**)
Side disc (internal spline)	
New	**1.6 mm** (**0.063 in**)
Minimum shim	**1.45 mm** (**0.057 in**)

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REAR AXLE - Troubleshooting

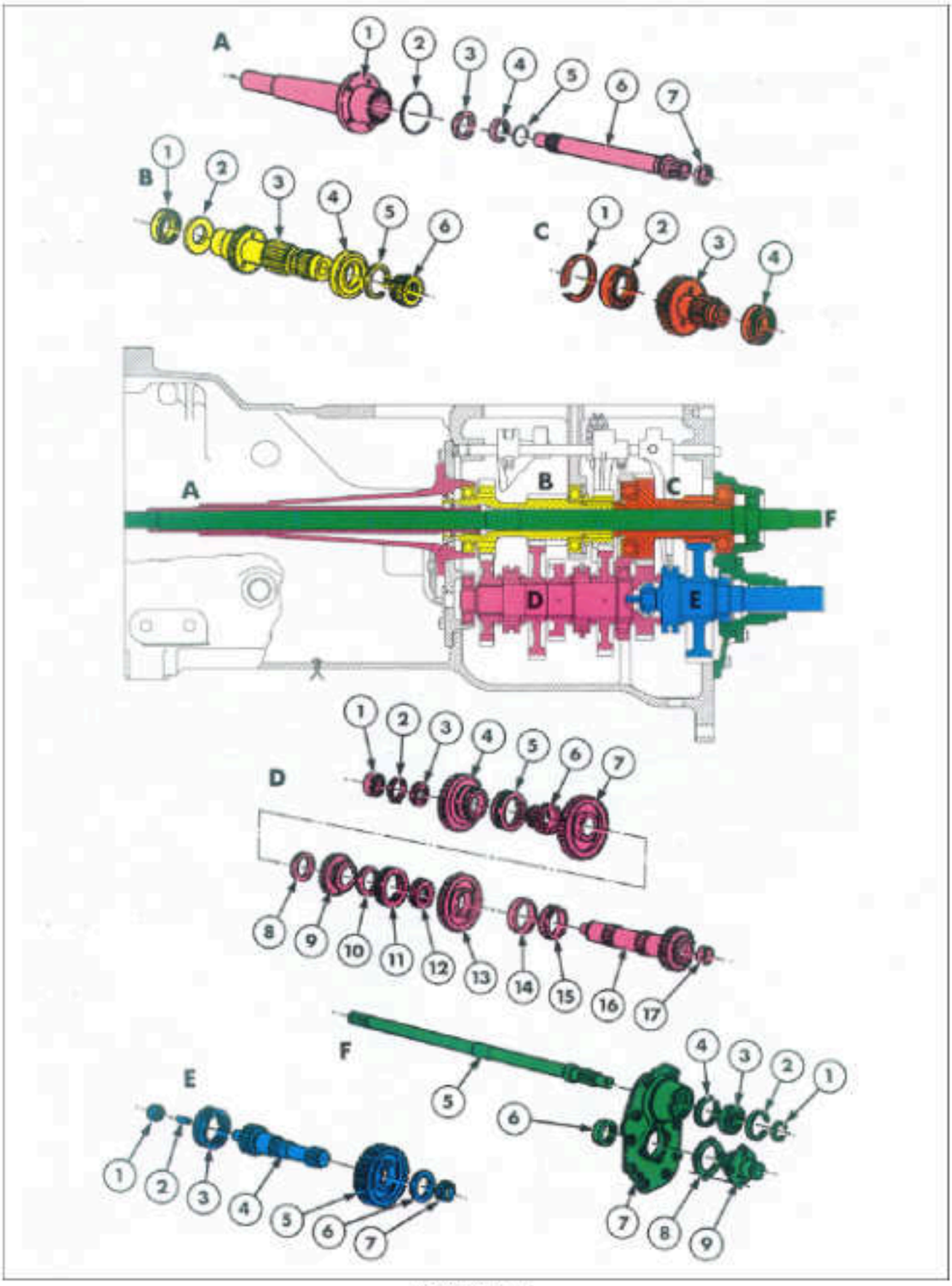
Problem	Possible Cause	Correction
Noisy rear axle	Lack of oil	Refill to oil specification
	Incorrect specification of oil	Empty and refill to correct oil specification
	Worn out axle bearings	Dismantle and inspect bearings
Does not move (Also refer to clutch system troubleshooting)	Axle shaft housing defective	Operate the tractor; if the tractor drives, inspect the axle shaft housing components and overhaul
	Differential unit components defective	Operate the tractor; if the tractor does not drive, inspect the differential unit components and overhaul

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