SERVICE MANUAL

TS6.110 / TS6.110 HC / TS6.120 / TS6.120 HC / TS6.125 / TS6.140

Tractor

Part number 47377790
1st edition
October 2012

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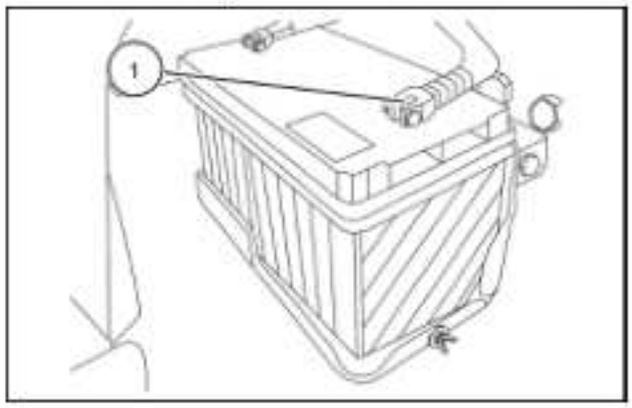
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Powered front axle - Remove CNH Heavy Duty (HD) front axle

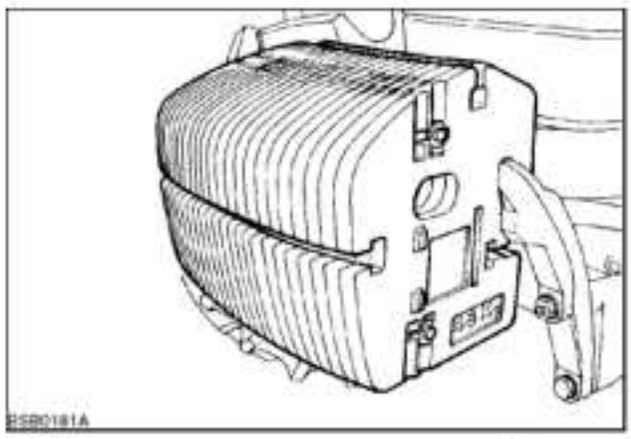
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NOTE: *The front axle assembly can be removed from the tractor without removing the driveshaft from the tractor.*

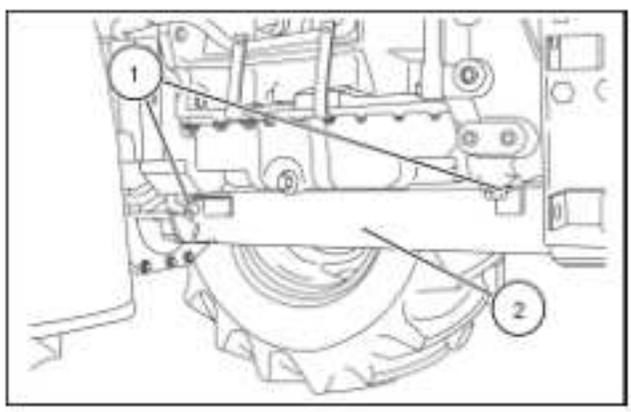
1. Disconnect the negative battery cable **(1)**.



2. If front weights are fitted to the front of the tractor, remove using a suitable hoist with adequate safe working load.



3. Remove the bolts **(1)** and remove the driveshaft guard **(2)**.



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Powered rear axle - General specification

Model	TS6.110, TS6.120	TS6.125, TS6.140
Rear axle	CNH	CNH
Type	Standard duty	Heavy duty
Planetary gears	3	4
Gear ratio	5.286	5.286
Planetary	6.0	6.0
Overall ratio	31.714	31.714
Ring gear diameter	**333.5 mm (13.1 in)**	**342.0 mm (13.5 in)**
Shaft diameter	**68.58 mm (2.7 in)**	**76.5 mm (3.0 in)**
Differential lock	Electrohydraulic	Electrohydraulic
Drawbar	**4309.0 kg (9499.7 lb)**	**5300.0 kg (11684.5 lb)**
Maximum load	**5440.0 kg (11993.1 lb)**	**6260.0 kg (13800.9 lb)**
Oil specification	**NEW HOLLAND AMBRA MULTI G™ HYDRAULIC TRANSMISSION OIL**	**NEW HOLLAND AMBRA MULTI G™ HYDRAULIC TRANSMISSION OIL**
Oil capacity	**60.0 l (15.9 US gal)**	**60.0 l (15.9 US gal)**

Powered rear axle - Torque

Hardware	Torque value
Rear disc to hub nuts (manual adjust wheels)	**244 - 298 N·m (180 - 220 lb ft)**
Rear disc to rim nuts (manual adjust wheels)	**280 - 340 N·m (207 - 251 lb ft)**
Differential case retaining bolts	**92 - 125 N·m (68 - 92 lb ft)**
Drive pinion bearing retainer bolts	**136 - 170 N·m (100 - 125 lb ft)**
Axle shaft housing retaining bolts	**176 - 258 N·m (130 - 190 lb ft)**
Axle shaft retaining bolts	**339 - 542 N·m (250 - 400 lb ft)**
Differential ring gear retaining bolts	**115 N·m (85 lb ft)**
Inner brake housing retaining bolts	**88 - 121 N·m (65 - 89 lb ft)**
Ring gear thrust block	**37 - 50 N·m (27 - 37 lb ft)**

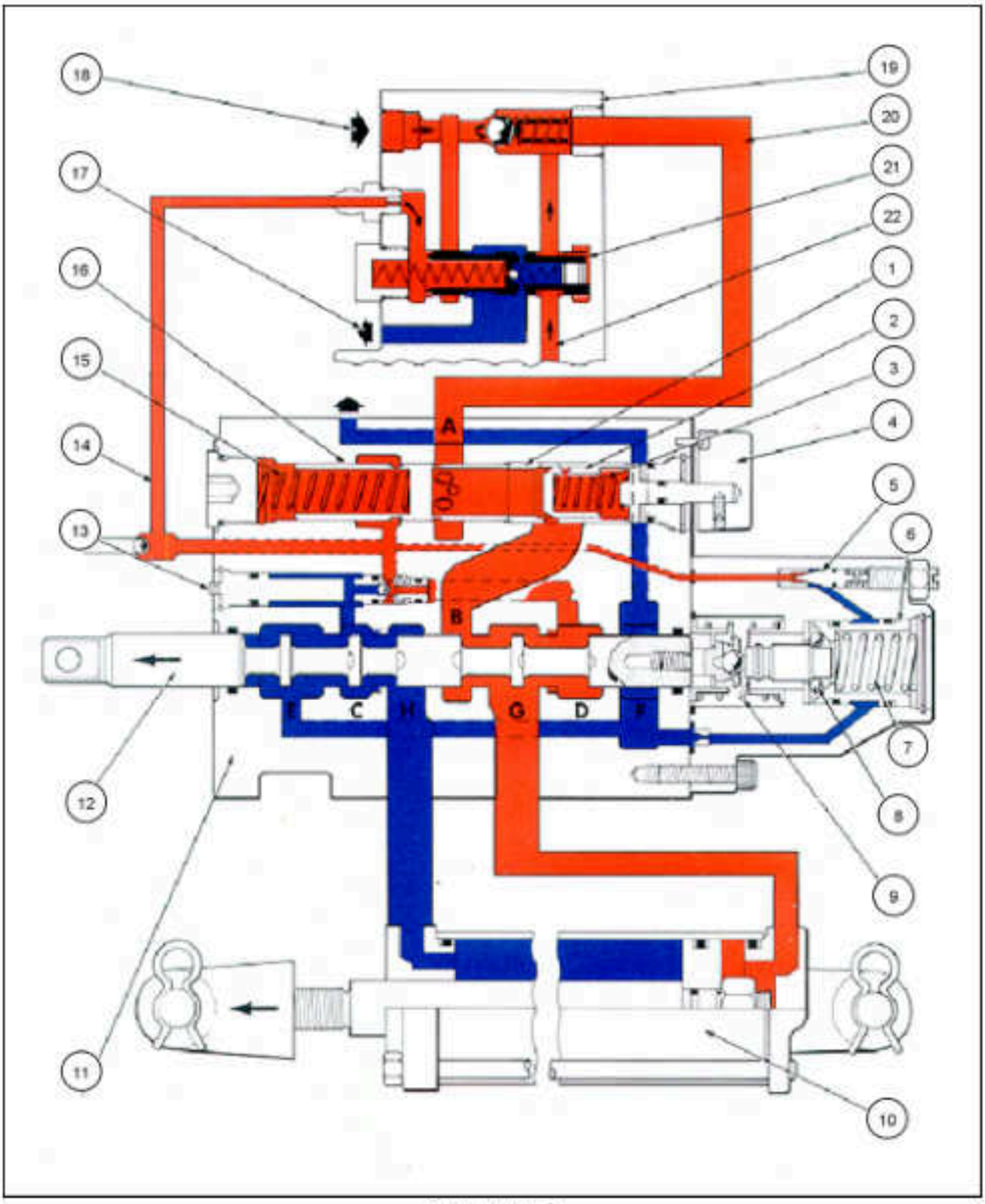
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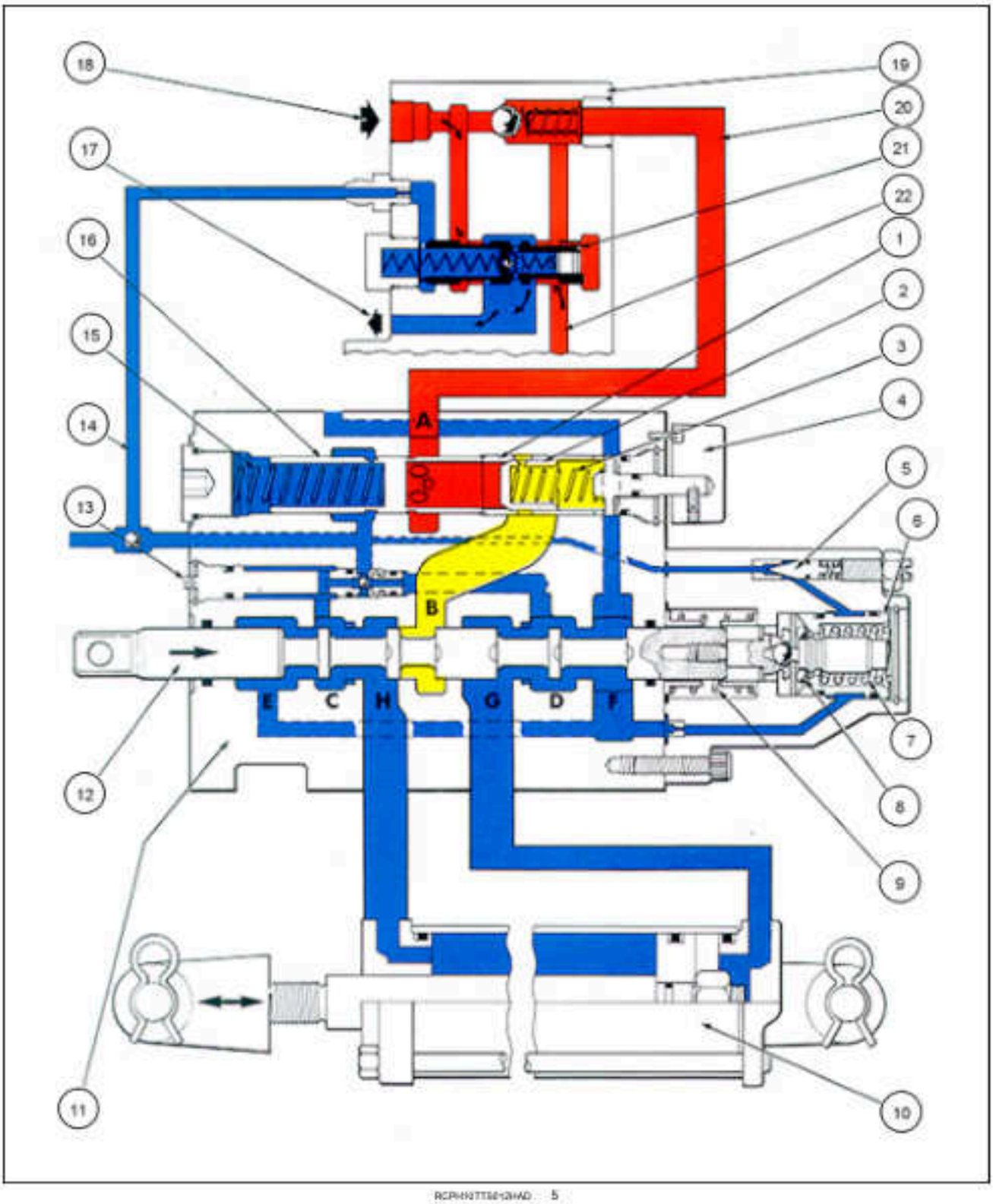
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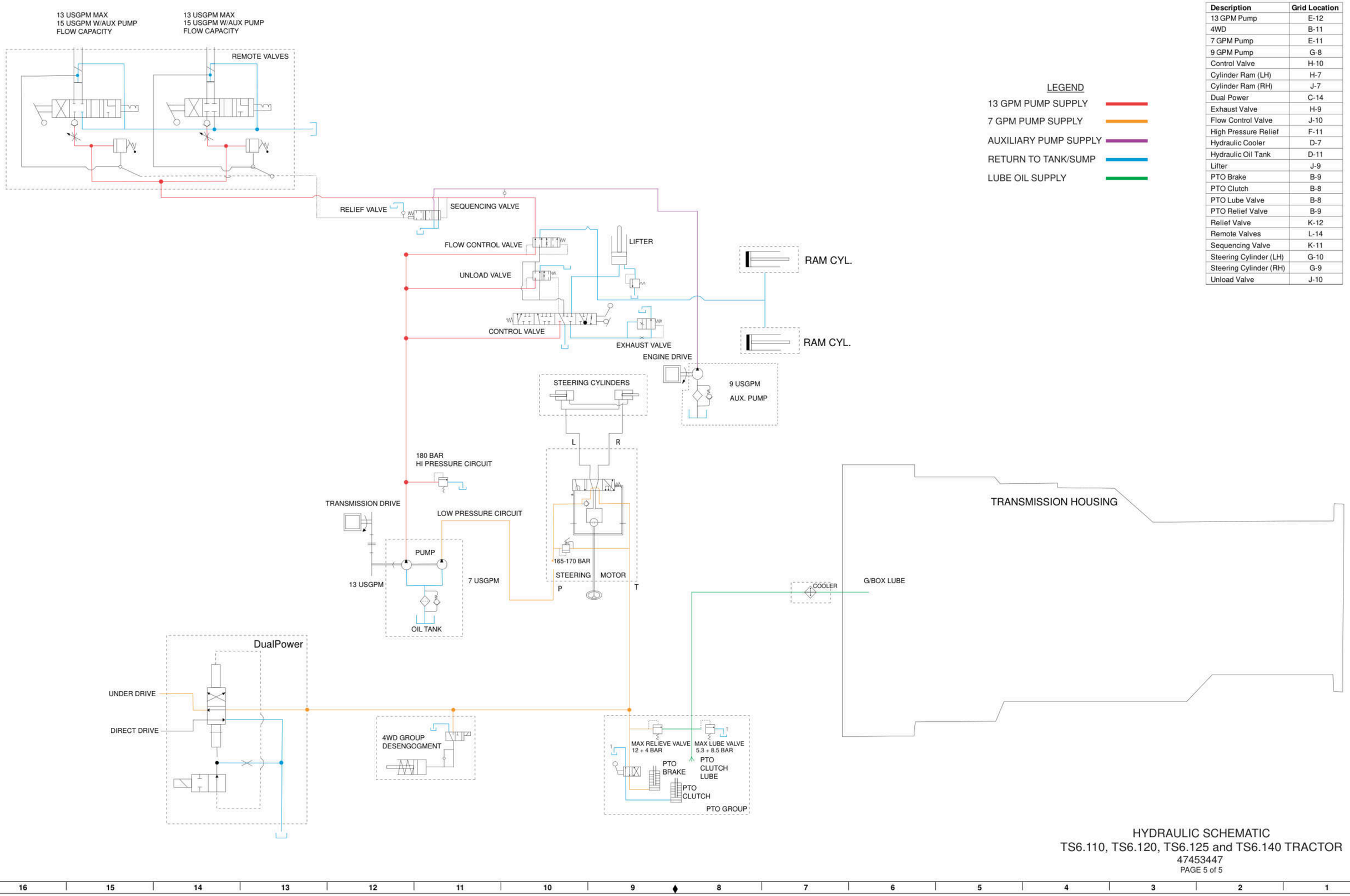


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7 GPM Pump	E-11
9 GPM Pump	G-8
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Cylinder Ram (RH)	J-7
Dual Power	C-14
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Flow Control Valve	J-10
High Pressure Relief	F-11
Hydraulic Cooler	D-7
Hydraulic Oil Tank	D-11
Lifter	J-9
PTO Brake	B-9
PTO Clutch	B-8
PTO Lube Valve	B-8
PTO Relief Valve	B-9
Relief Valve	K-12
Remote Valves	L-14
Sequencing Valve	K-11
Steering Cylinder (LH)	G-10
Steering Cylinder (RH)	G-9
Unload Valve	J-10

HYDRAULIC SCHEMATIC
TS6.110, TS6.120, TS6.125 and TS6.140 TRACTOR
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