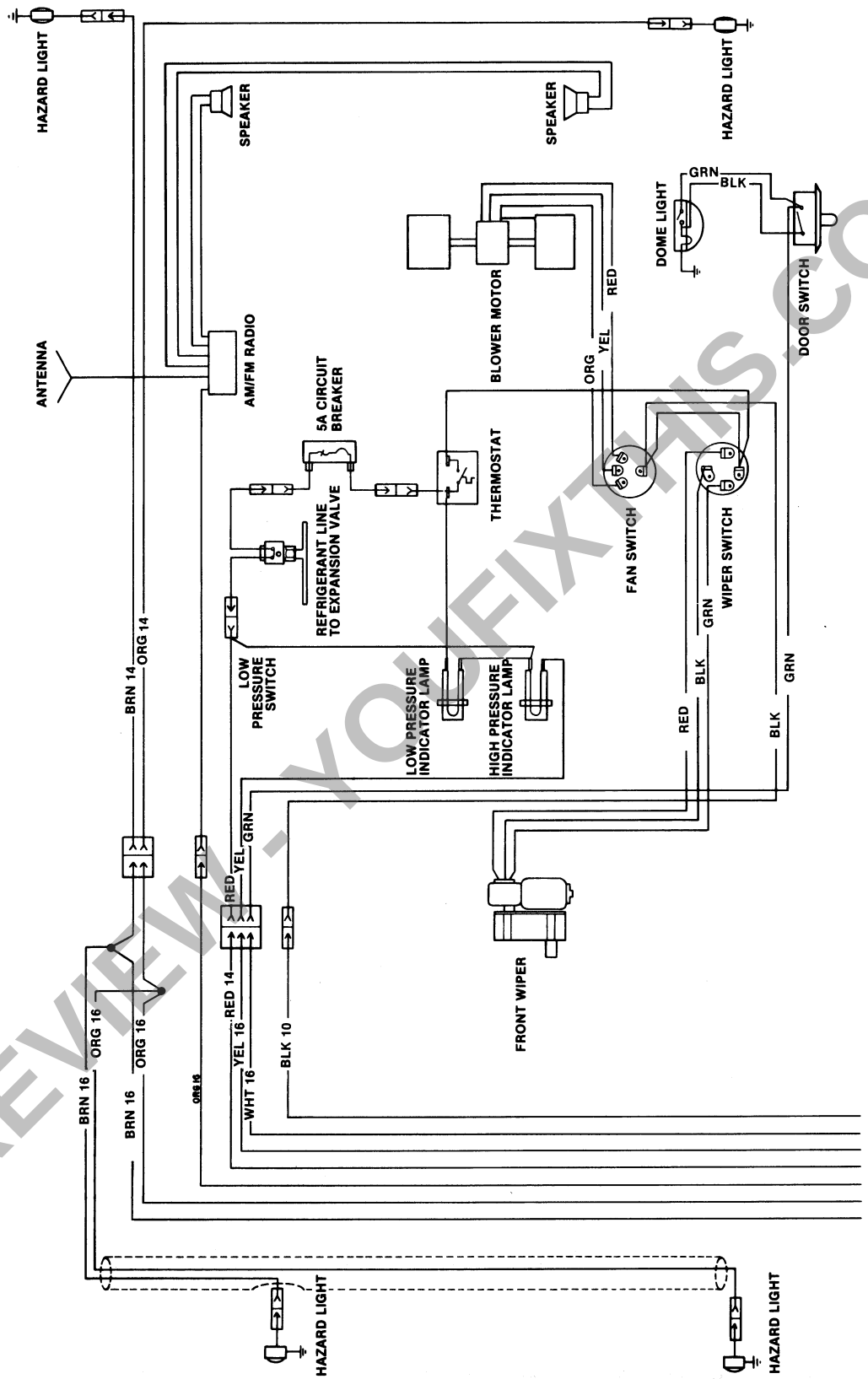
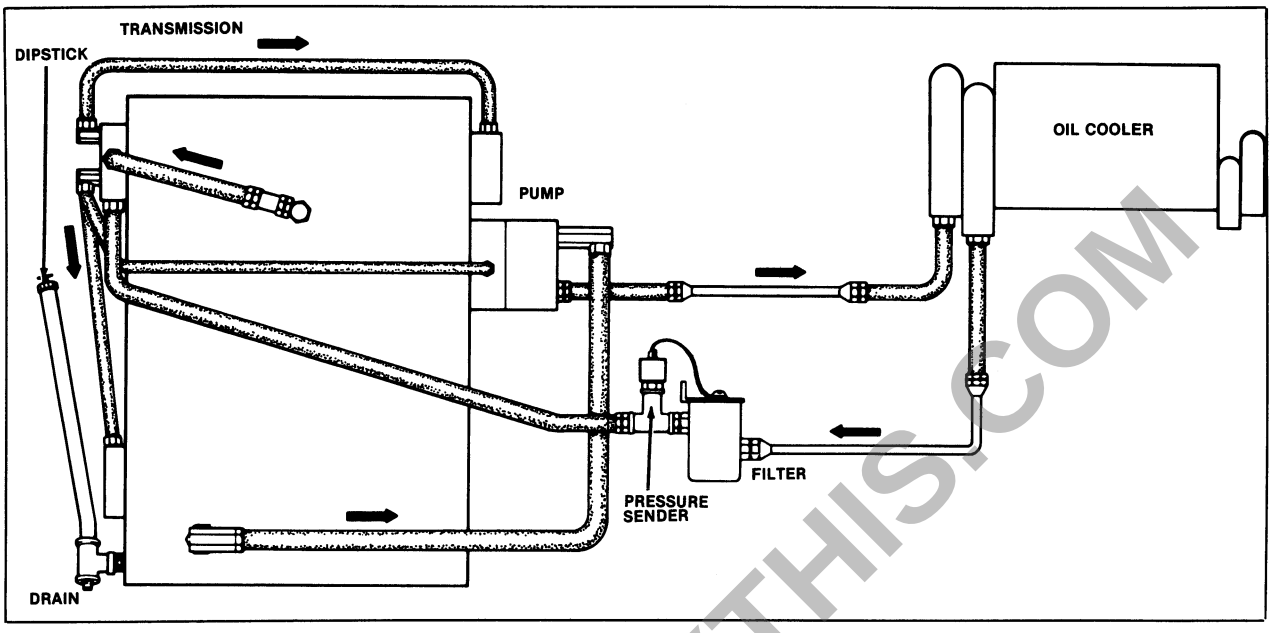


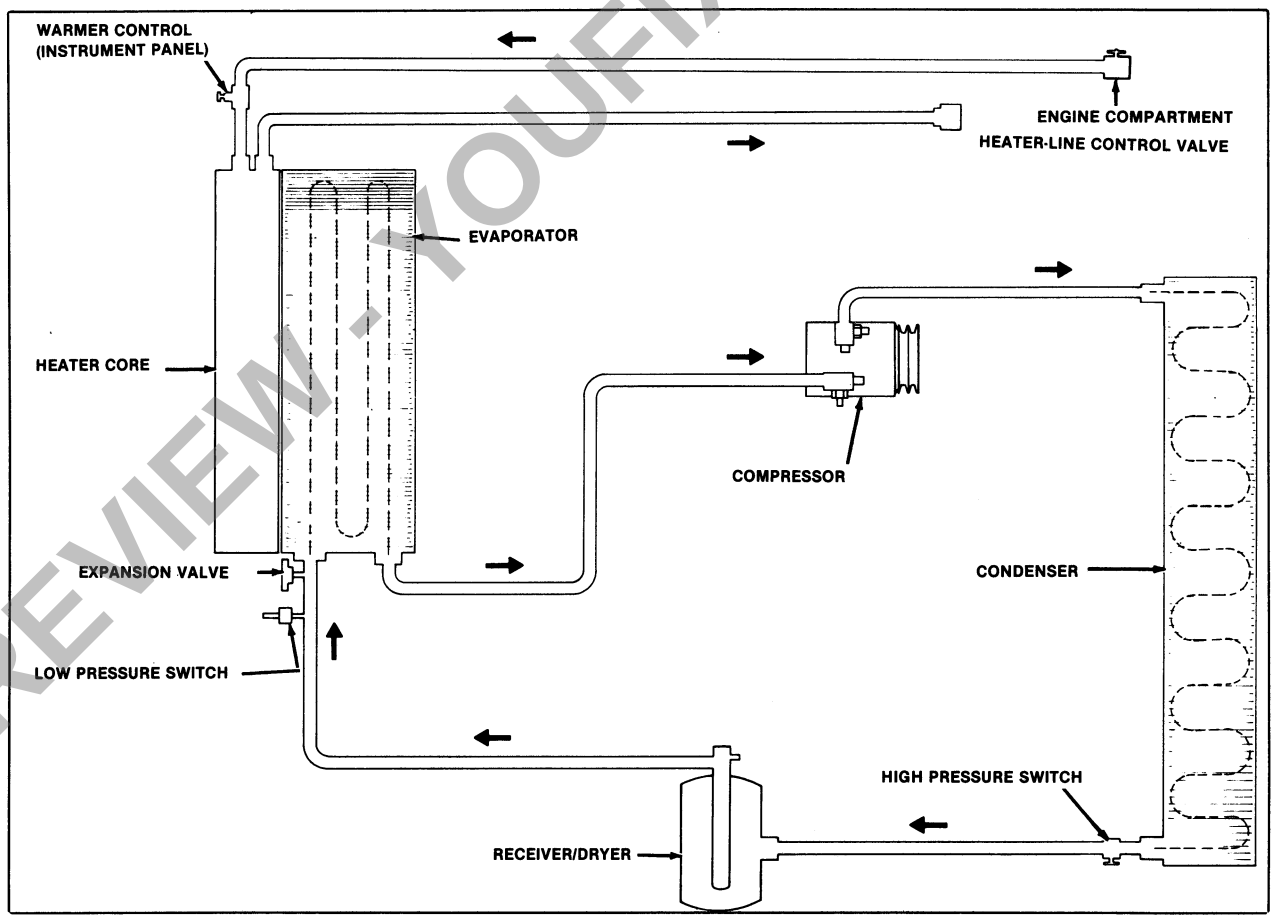
Roof Wiring

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Transmission Lubrication



Air Conditioner And Heater

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6 Specifications and Schematics

AIR CLEANER

Type . . . . . Dual element, dry type with safety element, precleaner, exhaust aspirated, air intake restriction gauge

AIR CONDITIONER

Charge . . . . . 1.8 to 1.9 kg (4 to 4 lb 3 oz)

Oil Level . . . . . 200 mL (7 oz)

AXLES

Type . . . . . Spiral bevel differential with outboard planetary, floating ring gear final drive

Differential Ratio 4.88:1

Lubrication . . . . . SAE 80W90 GL5

Oil Capacity . . . . . 38.5 L (41 qt US)

Planetary Ratio
- 12 Bolt Axle 5.625:1
- 16 Bolt Axle 5.285:1

Total Ratio
- 12 Bolt Axle 27.45:1
- 16 Bolt Axle 25.79:1

BRAKES

Type . . . . . 430 mm (17 in.) disc and caliper, self-adjusting driveline mounted

Meets or Exceeds . . . . . ASAE S365T (SAEJ104I)

Caliper . . . . . Twin piston, floating, hydraulically actuated by foot pedal

Parkbrake . . . . . Integral with road brake, self-adjusting, actuated by over center lever

CAB

Type . . . . . Independent module type with rollover protective structure (ROPS ASAE S383)

Seat Belts . . . . . SAE J141, SAE J385

CAPACITIES

Axles . . . . . 38.5 L (4l qt US)

Cooling System
- 835 . . . . . 43.5 L (46 qt US)
- 855/875 . . . . . 44.5 L (47 qt US)
- 895 . . . . . 58 L (61 qt US)

Engine
- 835/855/875 . . . . . 38.8 L (41 qt US)
- 895 . . . . . 26.5 L (28 qt US)

Fuel Tank . . . . . 700 L (185 gal US)

Hydraulic System . . . . . 79.5 L (84 qt US)

Transmission . . . . . 20.5 L (21.5 qt US)

Transmission with PTO . . . . . 34 L (36 qt US)

CLUTCH

Type
- 835/855 . . . . . 355 mm (14 in.) two plate dry type, wear compensating, 16 mm (5/8 in.) release safety start switch
- 875/895 . . . . . 395 mm (15.5 in.) as above

Static Torque
- 835/855 . . . . . 2 540 N·m (1 875 lbf ft)
- 875/895 . . . . . 2 793 N·m (2 060 lbf ft)

COOLING SYSTEM

Capacity
- 835 . . . . . 43.5 L (46 qt US)
- 855/875 . . . . . 44.5 L (47 qt US)
- 895 . . . . . 58 L (61 qt US)

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3 Lubrication and Maintenance

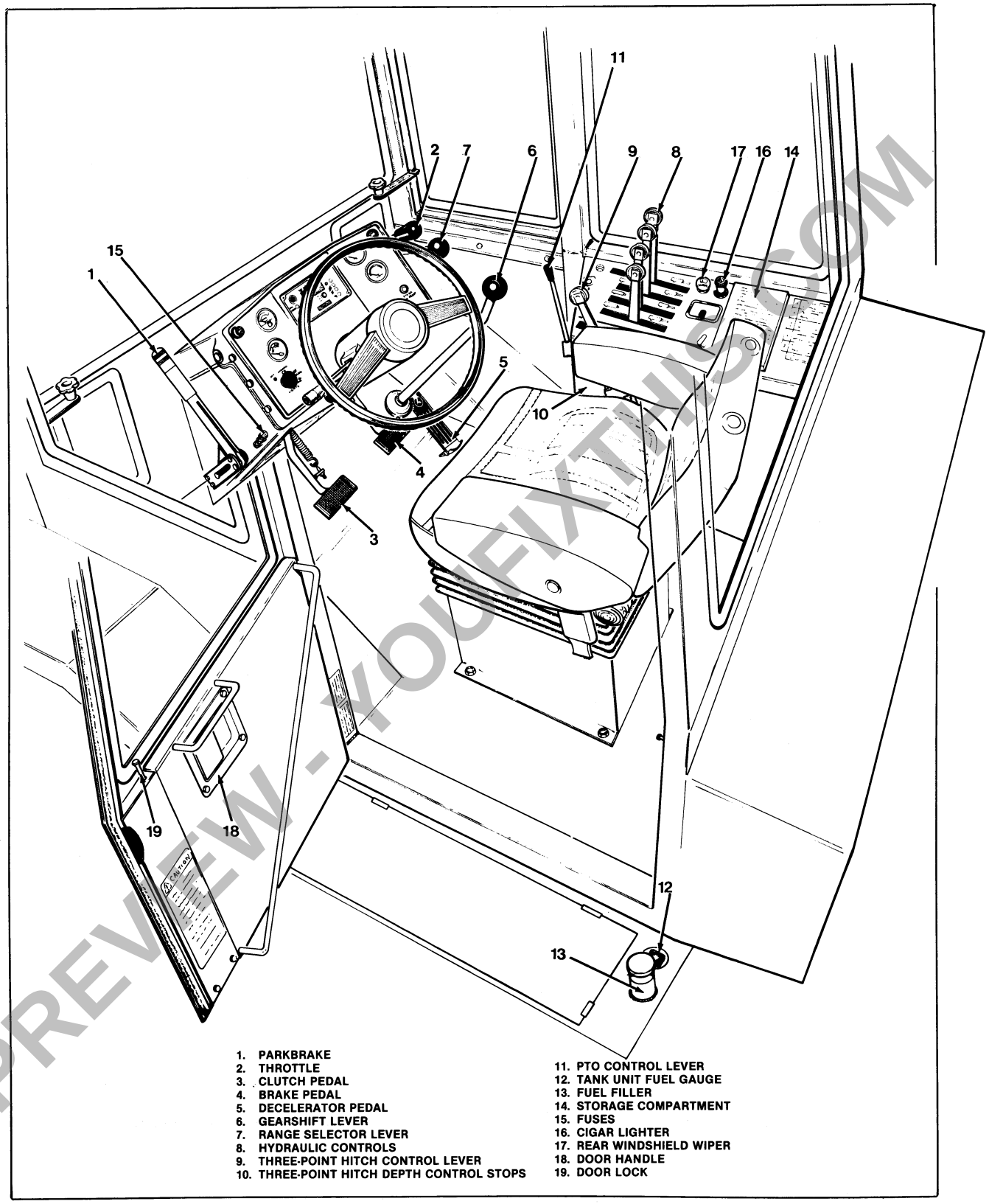
LUBRICATION AND MAINTENANCE SCHEDULE

Service intervals recommended in this manual are based on operation under average conditions. When operating tractor in severe heat, cold, dust or humidity, service the tractor more frequently.

	AS REQUIRED	DAILY 10 HOURS	WEEKLY 50 HOURS	MONTHLY 200 HOURS	400 HOURS	ANNUALLY	LUBRICANT[5]	NUMBER OF POINTS	LUBRICATION POINT
Clean air cleaner outer element	•								
Adjust parkbrake	•								
Check air conditioner and drain traps	•								
Decelerator adjustment	•								
Check engine coolant level		•	•	•	•	•			
Check engine oil level		•	•	•	•	•	A		1
Clean radiators and grill		•	•	•	•	•			
Clutch release bearing two grease gun strokes		•	•	•	•	•	F	1	17
Lubricate three-point hitch		•	•	•	•	•	E	9	19
Visually inspect tractor		•	•	•	•	•			
Upper driveline U-joint			•	•	•	•	E	3	8
Lower driveline U-joint			•	•	•	•	E	8	10
Driveline steady bearing			•	•	•	•	E	1	11
Steering cylinder pivots			•	•	•	•	E	4	3
Upper and lower frame pivots			•	•	•	•	E	2	6
Drag link pivot bearings			•	•	•	•	E	4	4
Clutch shaft support bearing			•	•	•	•	F	1	17
Clutch cross shaft			•	•	•	•	E	2	7
Main pivot frame			•	•	•	•	E	1	5
PTO steady bearing			•	•	•	•	E	1	21
PTO driveline U-joints			•	•	•	•	E	8	20
Check transmission oil level			•	•	•		B		9
Hydraulic oil level			•	•	•		B		
Check differential oil level				•	•	•	C		14
Check axle planetary gears oil level			•	•	•		C	4	12
Three-point hitch pins					•	•	E	10	18
Cab pressurization filters			•	•	•	•			
Engine air intake connections			•	•	•	•			
Change engine oil and filters				•[1]	•	•	A		2
Change transmission return filter and PTO filter				•[2]	•	•	B		
Change coolant filter (DCA)					•				
Fuel system maintenance				•	•	•			
Change hydraulic return filter/drain tank			•	•	•	•	B		
Check belt tension			•	•	•	•			
Service batteries				•	•	•			
Check brake fluid level				•	•	•	D		
Change planetary and differential oil		•[3]			•	•	C	4	13/15
Check wheel bolts and axle bolts	•[4]			•	•	•			
Change transmission oil, wash screen				•	•	•	B		16

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1. PARKBRAKE
2. THROTTLE
3. CLUTCH PEDAL
4. BRAKE PEDAL
5. DECELERATOR PEDAL
6. GEARSHIFT LEVER
7. RANGE SELECTOR LEVER
8. HYDRAULIC CONTROLS
9. THREE-POINT HITCH CONTROL LEVER
10. THREE-POINT HITCH DEPTH CONTROL STOPS
11. PTO CONTROL LEVER
12. TANK UNIT FUEL GAUGE
13. FUEL FILLER
14. STORAGE COMPARTMENT
15. FUSES
16. CIGAR LIGHTER
17. REAR WINDSHIELD WIPER
18. DOOR HANDLE
19. DOOR LOCK

Cab Controls and Instruments

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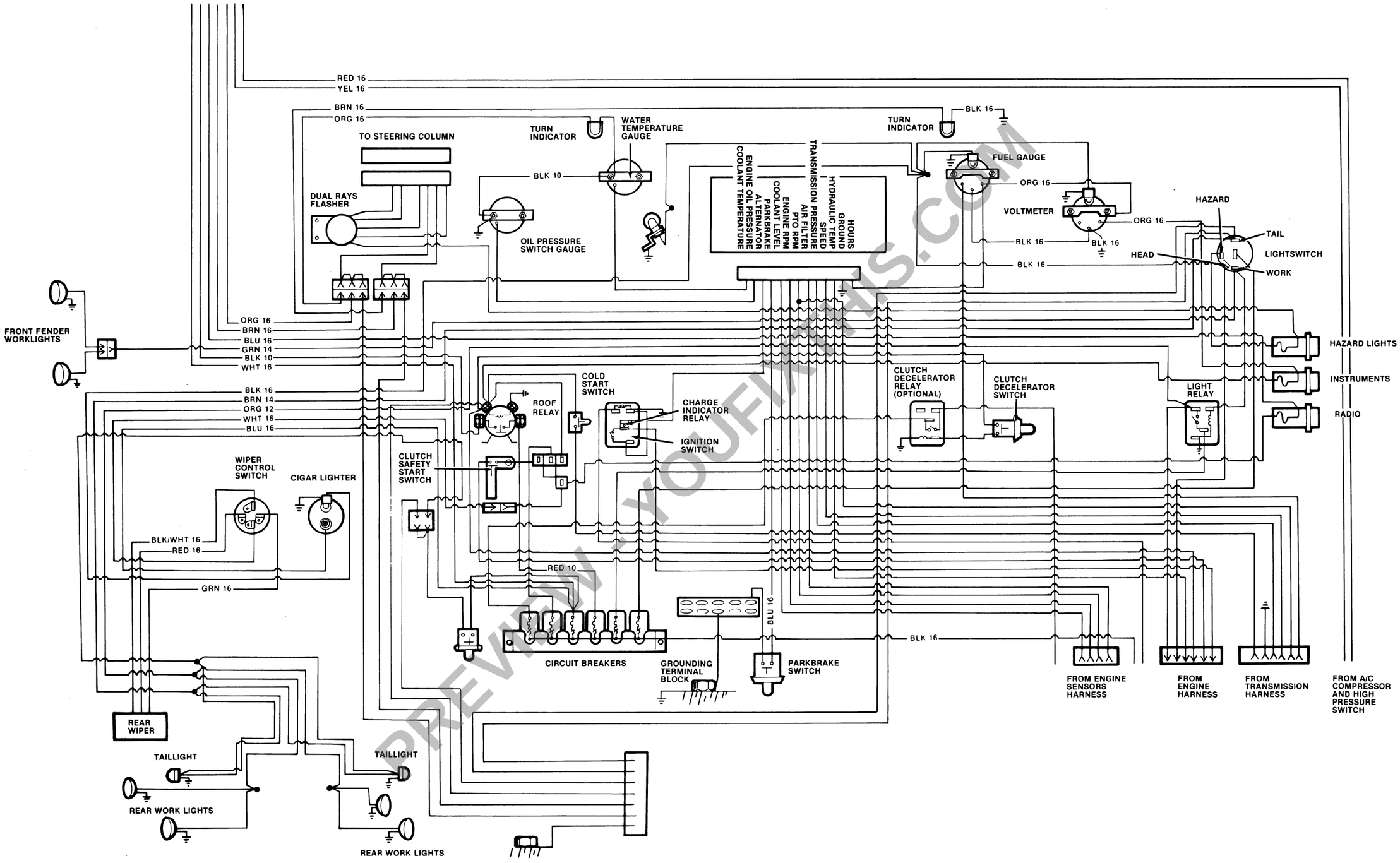
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4 Troubleshooting

Drive Train	Faulty gasket/seal	Linkage maladjusted	Range forks worn	Worn cam follower bearing	Shift rail grooved	Bearing worn	Broken gear	Shift lever tip worn	Worn/broken linkage	Self adjuster seized	Clutch fork slipping/not engaged	Warped/cracked plate or disc	Clutch fork binding	Dry shaft/bearing	Clutch maladjusted	Clutch pads worn	Release sleeve binding	Loose hanger bearing	Damaged driveshaft/tube	Axle splines worn	Faulty planet pins	Improper oil level/grade oil	Faulty hydraulic system
Clutch slipping										•						•	•						
Clutch won't engage										•						•	•	•					
Clutch won't disengage		•									•	•				•							
Clutch chatters/skips													•				•						
Clutch grabs													•	•		•	•						
Noisy clutch						•									•			•					
Transmission overheats						•																	
Transmission oil leak	•																						•
Not shifting properly		•	•	•	•																		
Gear doesn't engage		•	•	•	•																		
Jumps out of gear		•	•	•	•																		
Transmission jams							•		•					•									
Transmission locked in two gears		•						•	•														
Differential noisy						•	•																
Differential jams							•																
Wheel hub rotation skips																					•		
Wheel hub doesn't rotate																						•	
Wheel hub noise						•																	
U-joint failure	•														•				•				
Driveline vibrates						•									•				•	•			
Slip spline failure	•														•				•				
Support bearing failure	•														•				•				

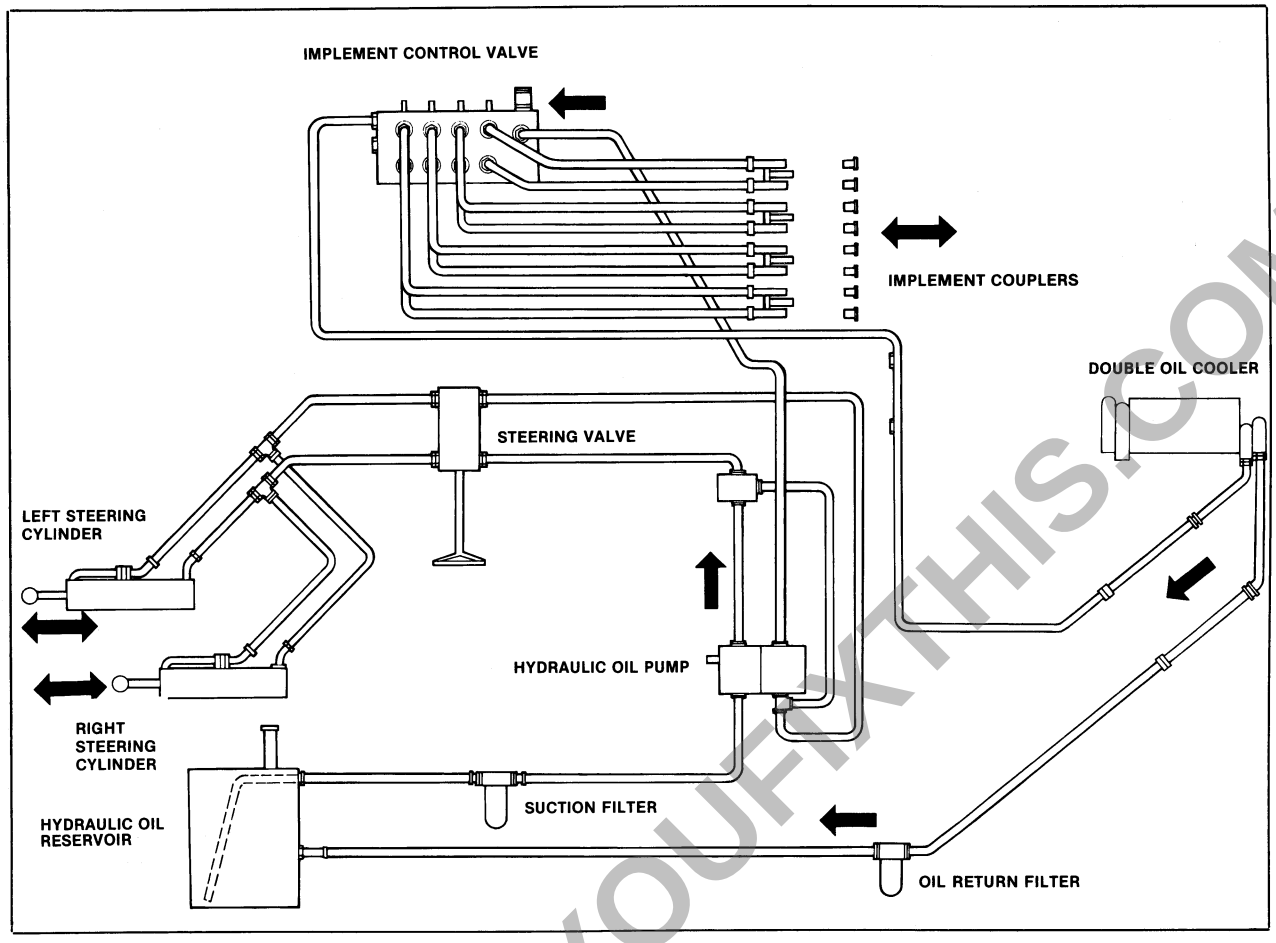
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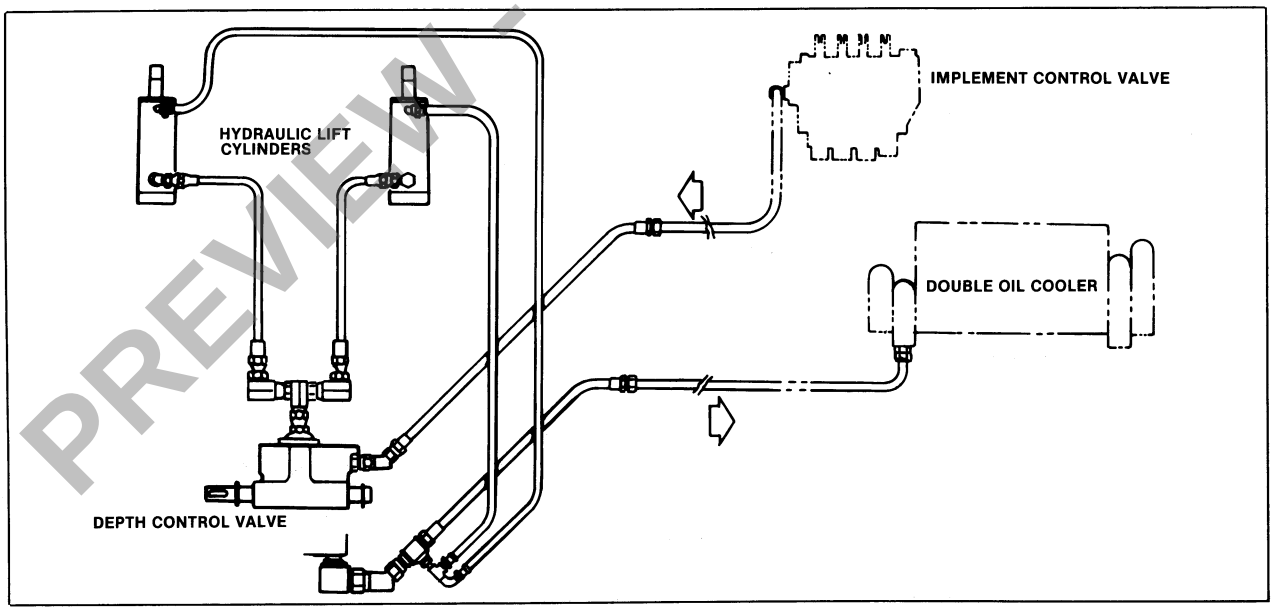


Console Wiring Schematic

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Steering And Implement Circuit



Three-Point Hitch (Option)

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