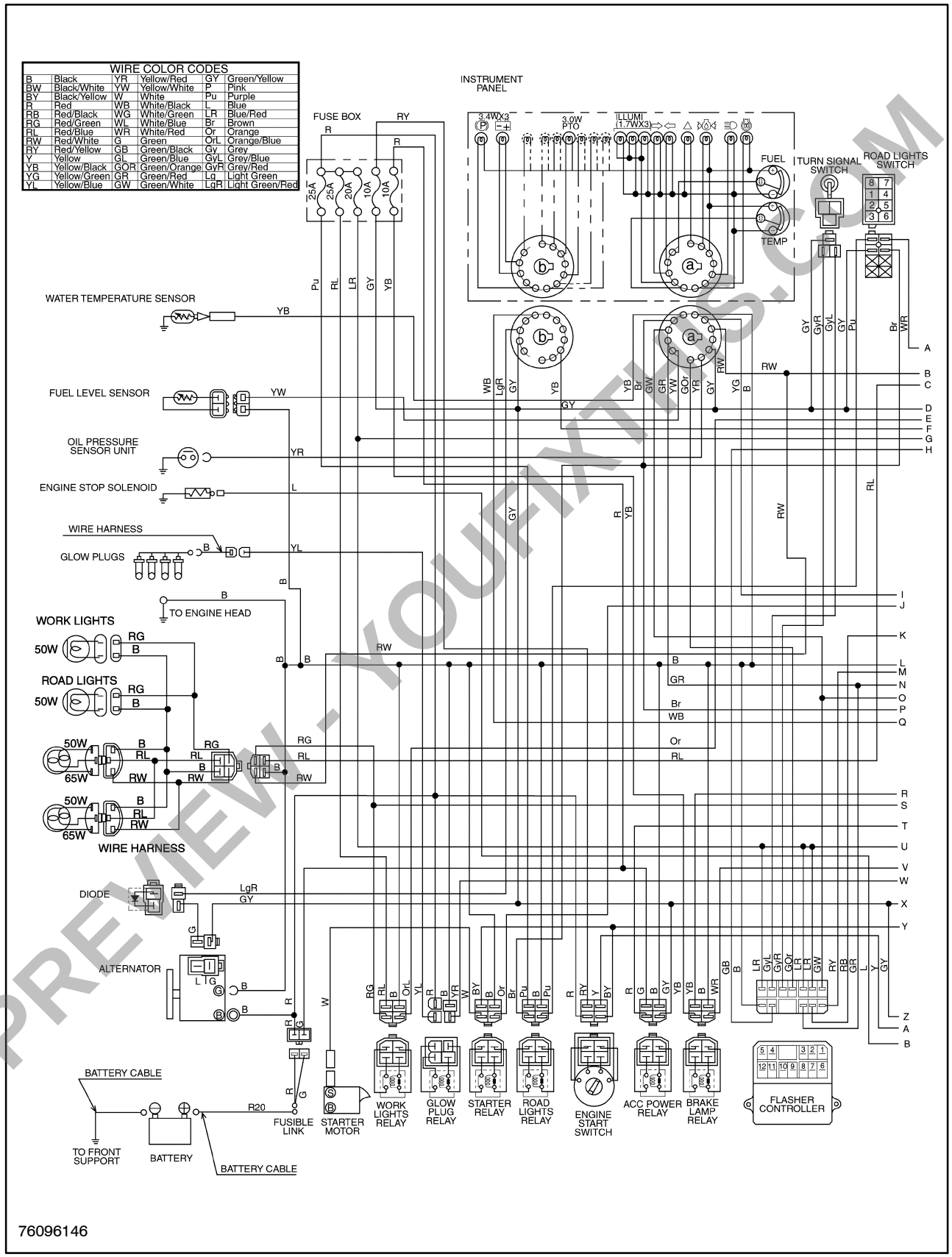
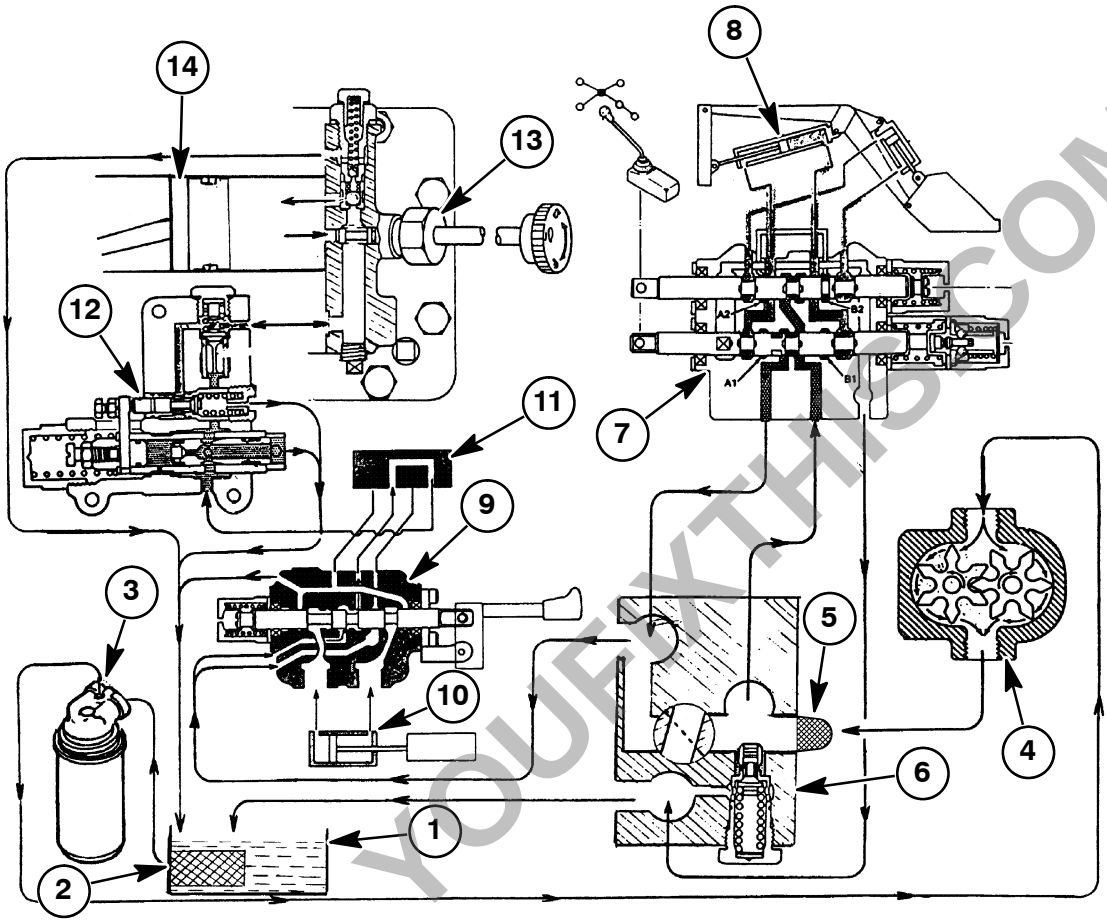
COMPLETE SCHEMATICS
Boomer 4055 – Boomer 4060



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FLOW PRIORITY



50051503

5

Hydraulic Flow Diagram/Component Description

1. Hydraulic Fluid Reservoir
2. Sump Screen Filter
3. Hydraulic Fluid Filter
4. Hydraulic Pump
5. Screen
6. Relief/Diverter Valve
7. Front Double Spool Remote Valve
8. Front Boom Lift Cylinder
9. Rear Single Spool Remote Valve
10. Rear Remote Lift Cylinder
11. Rear Remote Endcap (Attached to HPL Valve)
12. HPL Valve (Control Valve)
13. Drop Rate Control Valve
14. 3 Point Hitch Lift Piston

This diagram shows hydraulic oil flow priority within the tractor's hydraulic system.

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TIRES

FRONT:

Agricultural:	
FWD	8 x 16, 6PR, R1 9.5 x 16, 6PR, R1
Turf:	
FWD	27 x 10.5 x 15, 4PR, R3 27 x 12LL x 15, 6PR, R3
Industrial:	
FWD	12 x 16.5, 8PR, R4

REAR:

Agricultural	14.9 x 24, 6PR, R1 14.9 x 28, 6PR, R1
Turf	44 x 18.00-20, 6PR, R3 22.5LL x 16.1, 6PR, R3
Industrial	18.4 x 24, 8PR, R4

WHEEL BOLT TORQUES

Front Wheel—	
Disc-to-Hub:	
FWD	129 N·m (95 lb ft)
Rear Wheel—	
Rear Wheel & Disc-to Axle	129 N·m (95 lb ft)
Disc-to Rim	244 N·m (180 lb ft)

ROPS ATTACHING BOLT TORQUES

ROPS to Rear Axle	74 N·m (55 lb ft)
Seat Belt	47.4 N·m (35 lb ft)

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SPECIFICATIONS

Main Hydraulic Pump
- Type ..... Gear
- Pump Capacity @ Rated Engine Speed
  - Boomer 4055 ..... 43.9 L/min (11.6 US gal/min)
  - Boomer 4060 ..... 45.5 L/min (12.0 US gal/min)

Pump Speed (rpm):
- Boomer 4055 ..... 2285 rpm
- Boomer 4060 ..... 2369 rpm

Hydraulic Flow at Manifold Block or Remote Valves @ Rated Engine Speed
- Boomer 4055 EHSS ..... 43.9 L/min (11.6 US gal/min)
- Boomer 4055 SSS ..... 40.9 L/min (10.8 US gal/min)
- Boomer 4060 EHSS ..... 45.5 L/min (12.0 US gal/min)
- Boomer 4060 SSS ..... 42.5 L/min (11.2 US gal/min)

Rated Engine Speed (rpm):
- Boomer 4055 ..... 2700 rpm
- Boomer 4060 ..... 2800 rpm

System Relief Valve Setting
- Boomer 4055, Boomer 4060 ..... 17236 kPa (2500 psi)

Lift Cylinder Diameter ..... 80 mm (3.155 in)

Rear 3-Point Hitch
- Maximum Lift Capacity
- @ Hitch
  - Boomer 4055, Boomer 4060 ..... 1975 kg (4355 lb)
- @24 inch
  - Boomer 4055, Boomer 4060 ..... 1571 kg (3465 lb)

Safety Valve Setting ..... 24510 ± 1999 kPa (3555 ± 290 psi)

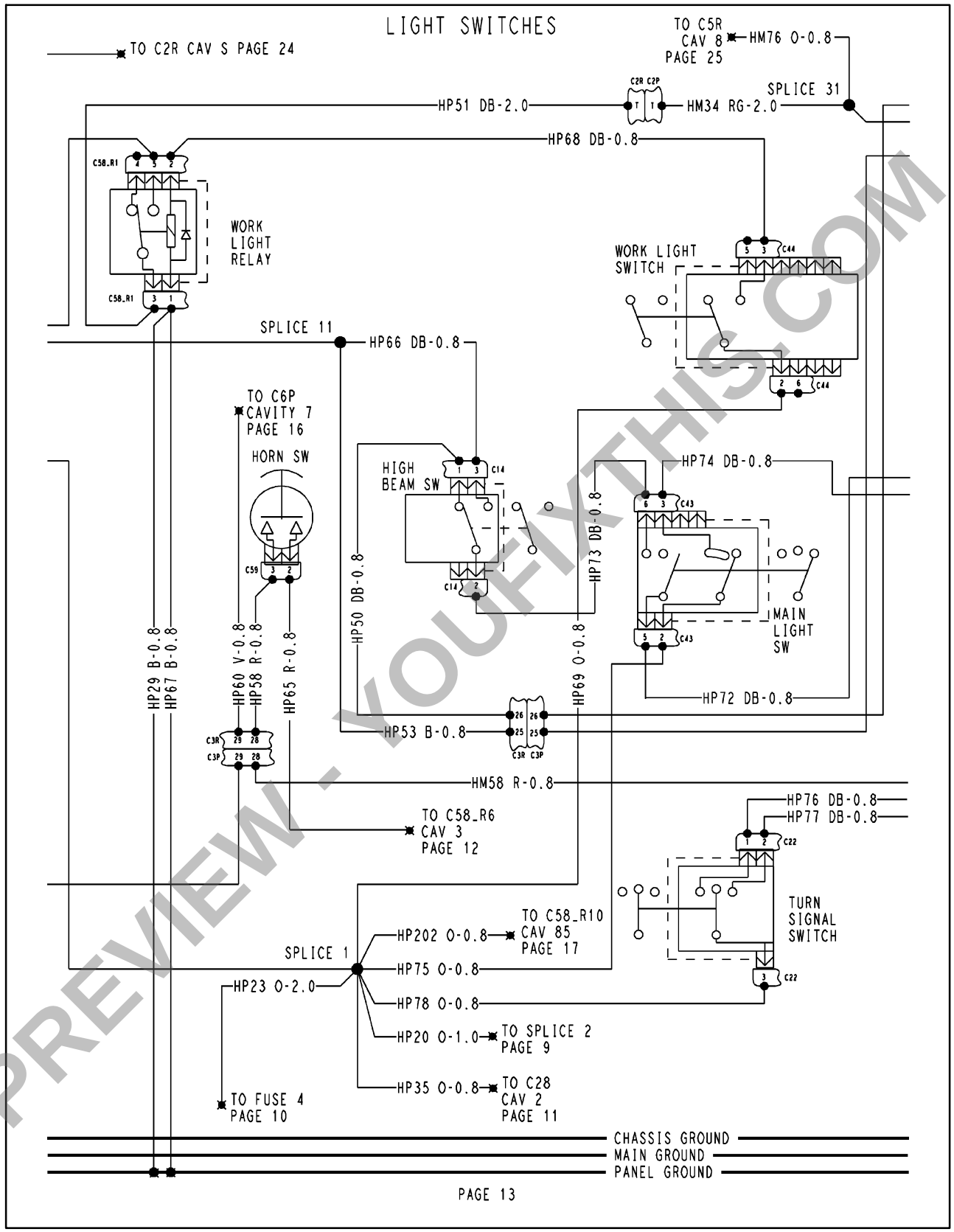
Reservoir Capacity
- SSS ..... 38 L (10.0 US gal)
- EHSS ..... 46 L (12.2 US gal)

Recommended Hydraulic Oil ..... AMBRA MULTI G134
Cold Weather Option NHF200

PTO/EHSS Hydraulic Pump
- Type ..... Tandem Gear
- Pump Capacity,
  - PTO @ Engine Speed 2900 rpm ..... 6.08 L/min (1.61 US gal/min) 1999 kPa (290 psi)
  - EHSS @Engine Speed 2900 rpm ..... 13.0 L/min (3.43 US gal/min) 2295 kPa (333 psi)

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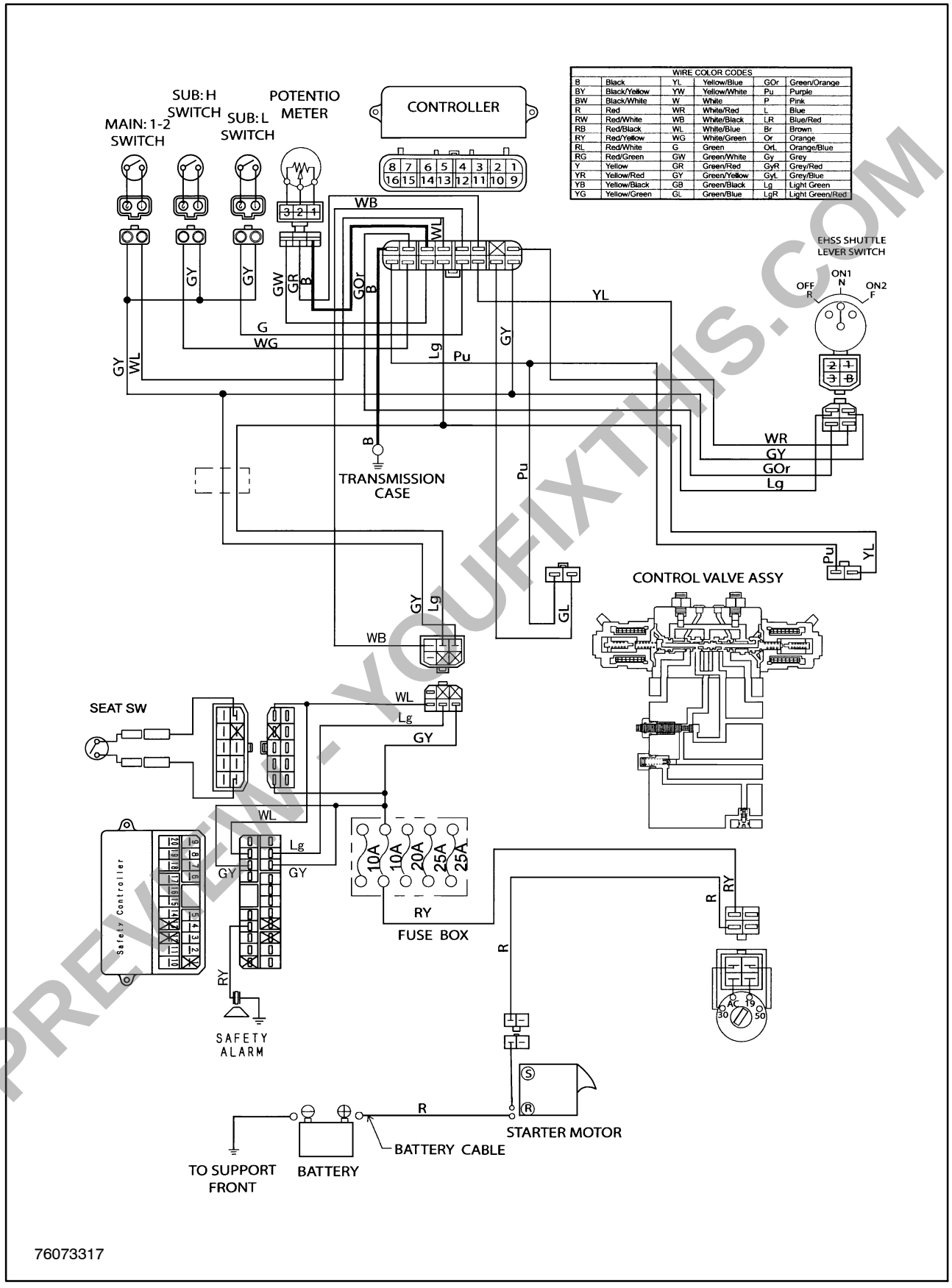
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