FORD

Parts Manual

FORD
NEW HOLLAND

Tractor
1500



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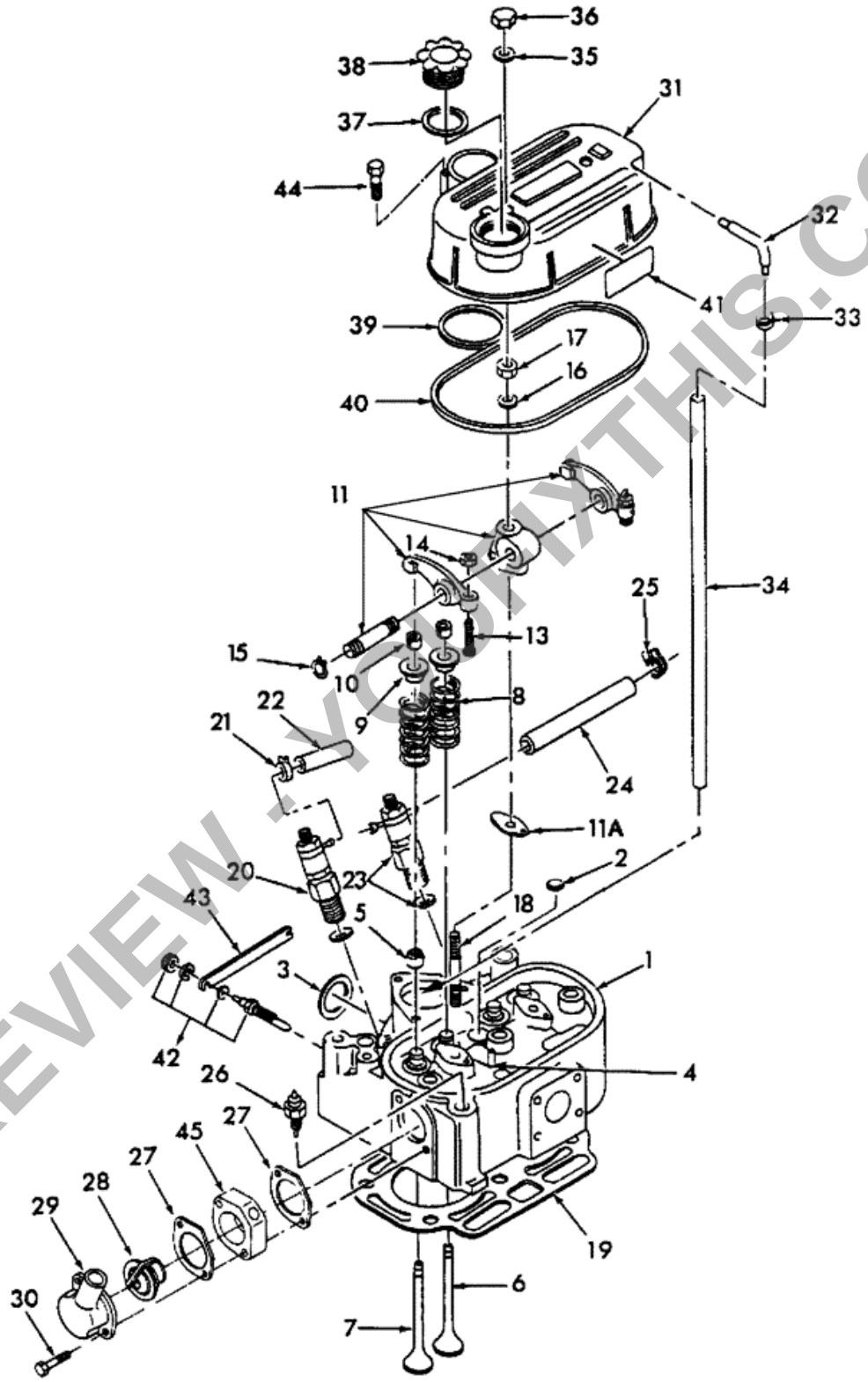
(1500) - 2 CYL COMPACT TRACTOR (1/79-12/82) > (06A02) - CYLINDER BLOCK, 1500

Diag #	Part #	Name	Description	Qty
	SBA110006030	SHORT ENGINE	Short Block, 1500, Start Year: 01-JAN-79	1
		No Longer Serviced	No Longer Serviced	1
		Engine Assembies Include: Cylinder Block Assy., Crankshaft Assy., Camshaft Assy. & Piston & Rod Assy.	Engine Assembies Include: Cylinder Block Assy., Crankshaft Assy., Camshaft Assy. & Piston & Rod Assy.	1
	SBA110006040	SHORT ENGINE	Short Block, 1700, Start Year: 01-JAN-79	1
		Engine Assembies Include: Cylinder Block Assy., Crankshaft Assy., Camshaft Assy. & Piston & Rod Assy.	Engine Assembies Include: Cylinder Block Assy., Crankshaft Assy., Camshaft Assy. & Piston & Rod Assy.	1
1		Bare Block Assy., 1500, Start Year: 01-JAN-79	Bare Block Assy., 1500, Start Year: 01-JAN-79	1
1	SBA110106056	BLOCK	Bare Block Assy., 1700 Includes: Ref. 2 thru 5, Start Year: 01-JAN-79	1
2	SBA198466010	PLUG	8.4mm, Start Year: 01-JAN-79	3
3	SBA064100045	PLUG	, Start Year: 01-JAN-79	3
4	SBA064100055	PLUG	55mm Dia, Start Year: 01-JAN-79	1
5	SBA198516050	BEARING	Front, Main, Standard, Start Year: 01-JAN-79	1
5	SBA198516460	BUSHING	Bearing, Front, Main, .25mm or .010", Start Year: 01-JAN-79	1
		NHNA Only	NHNA Only	1
5	SBA198516470	BEARING	Front, Main, 0.50mm or 0.20", Start Year: 01-JAN-79	1
		NHNA Only	NHNA Only	1
6	SBA030501025	BALL STUD,M10 x 25 L	DOWEL, , Pin M10 x 25 L, Start Year: 01-JAN-79	2
7	SBA030500625	DOWEL	Pin, M6 x 25, Start Year: 01-JAN-79	2
8	SBA030300410	PIN	M4 x 10, Start Year: 01-JAN-79	1
9	SBA052300500	O-RING	, Start Year: 01-JAN-79	1
10	SBA198736052	TUBE	Drain, Start Year: 01-JAN-79	1
11	SBA198416010	GAUGE	, Start Year: 01-JAN-79	1
12	SBA185246011	SENDER UNIT	Sender, Oil, Start Year: 01-JAN-79	1
13	SBA111136020	STUD	Bolt, Start Year: 01-JAN-79	5
14	SBA111136090	STUD	Bolt, Start Year: 01-JAN-79	1
15	SBA199376010	NUT	, Start Year: 01-JAN-79	6
16	SBA199236260	RING	Collar, Start Year: 01-JAN-79	1
17	SBA110706090	ENGINE OIL PAN	Pan Assy., 1500, Start Year: 01-JAN-79	1
17	SBA110706020	PAN	Assy., W/2WD, 1700, Start Year: 01-JAN-79	1

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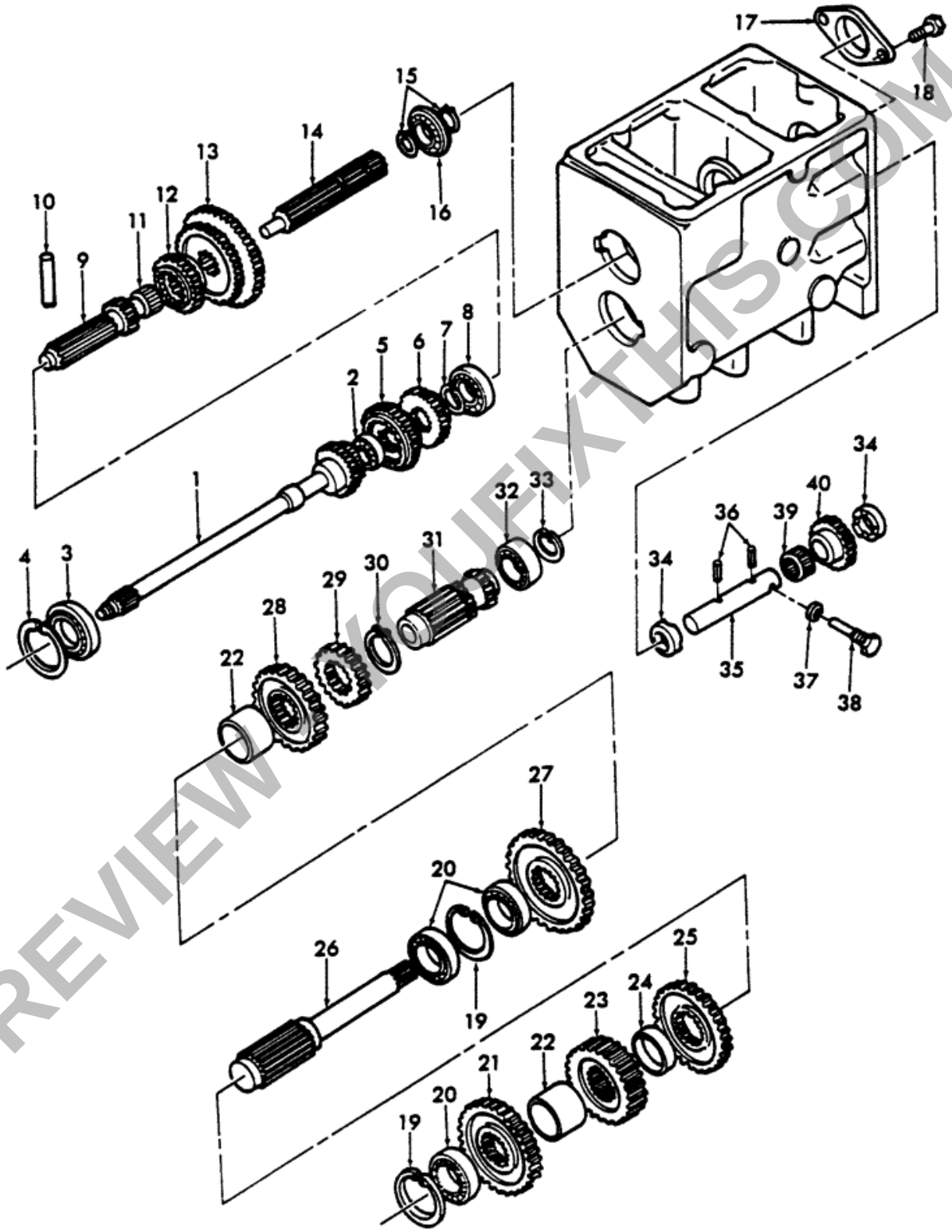
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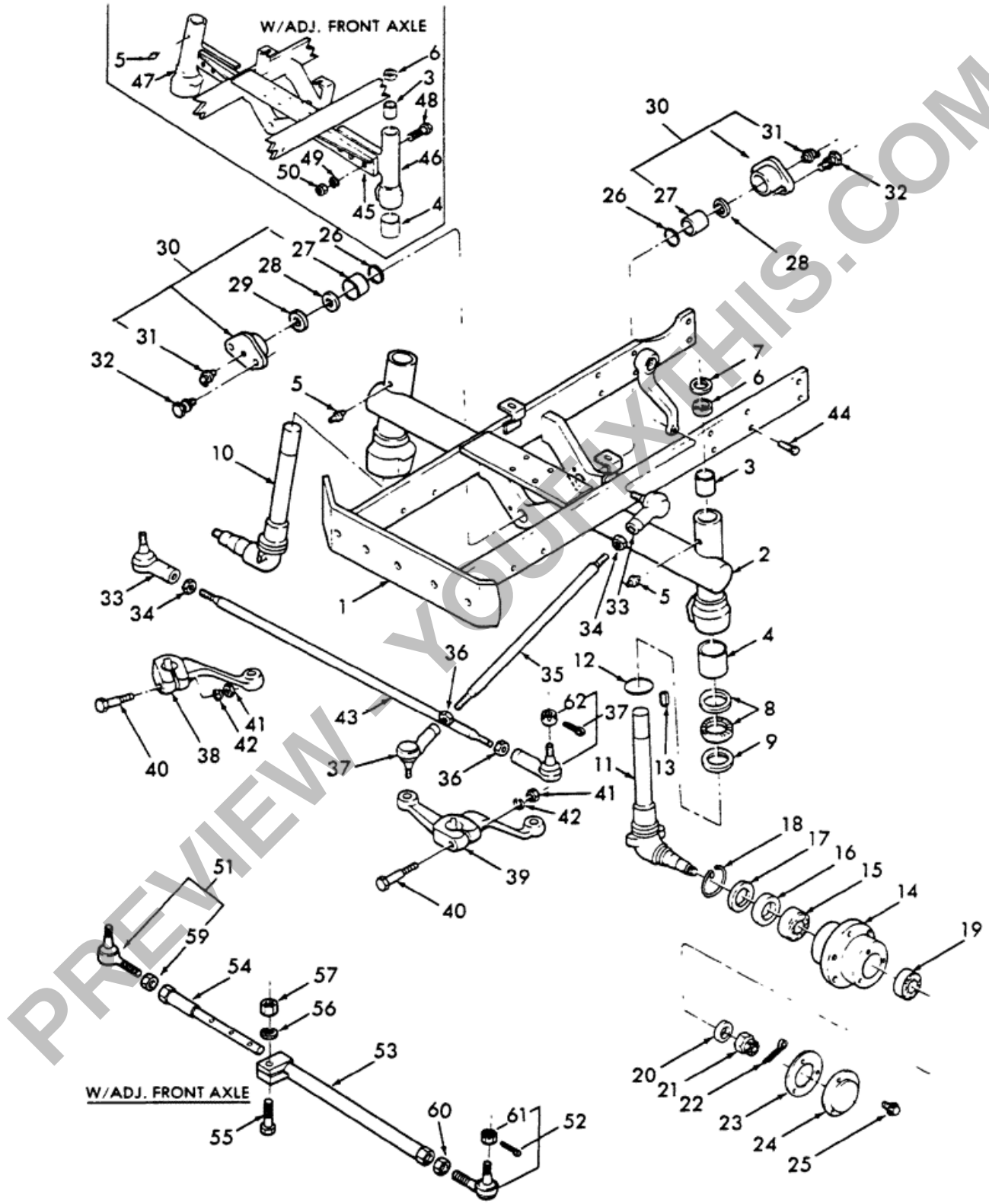
(1500) - 2 CYL COMPACT TRACTOR (1/79-12/82) > (07B02) - TRANSMISSION GEARS, FRONT, 1300



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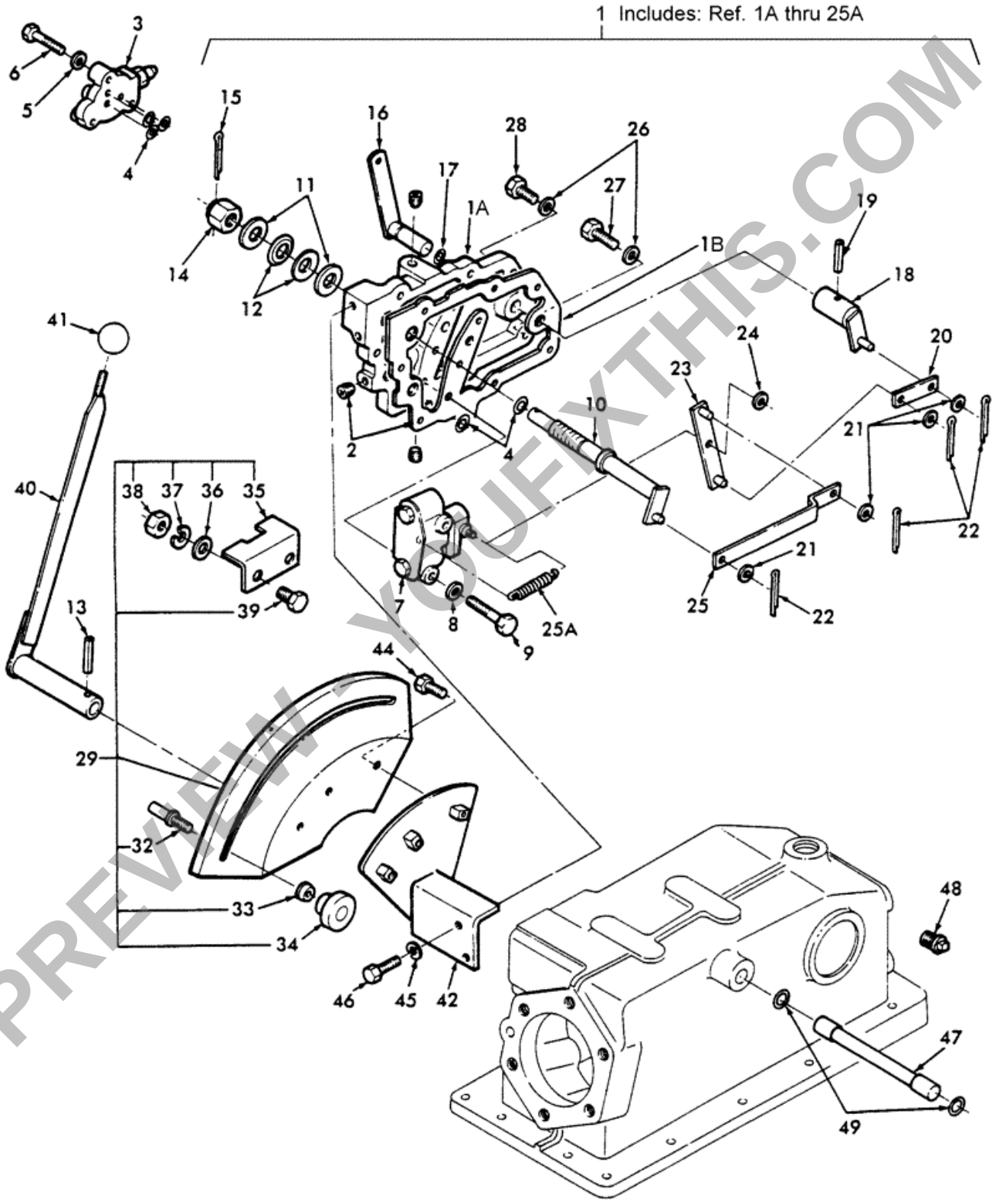
(1500) - 2 CYL COMPACT TRACTOR (1/79-12/82) > (03A02) - AXLE, FRONT, 2WD, 1300



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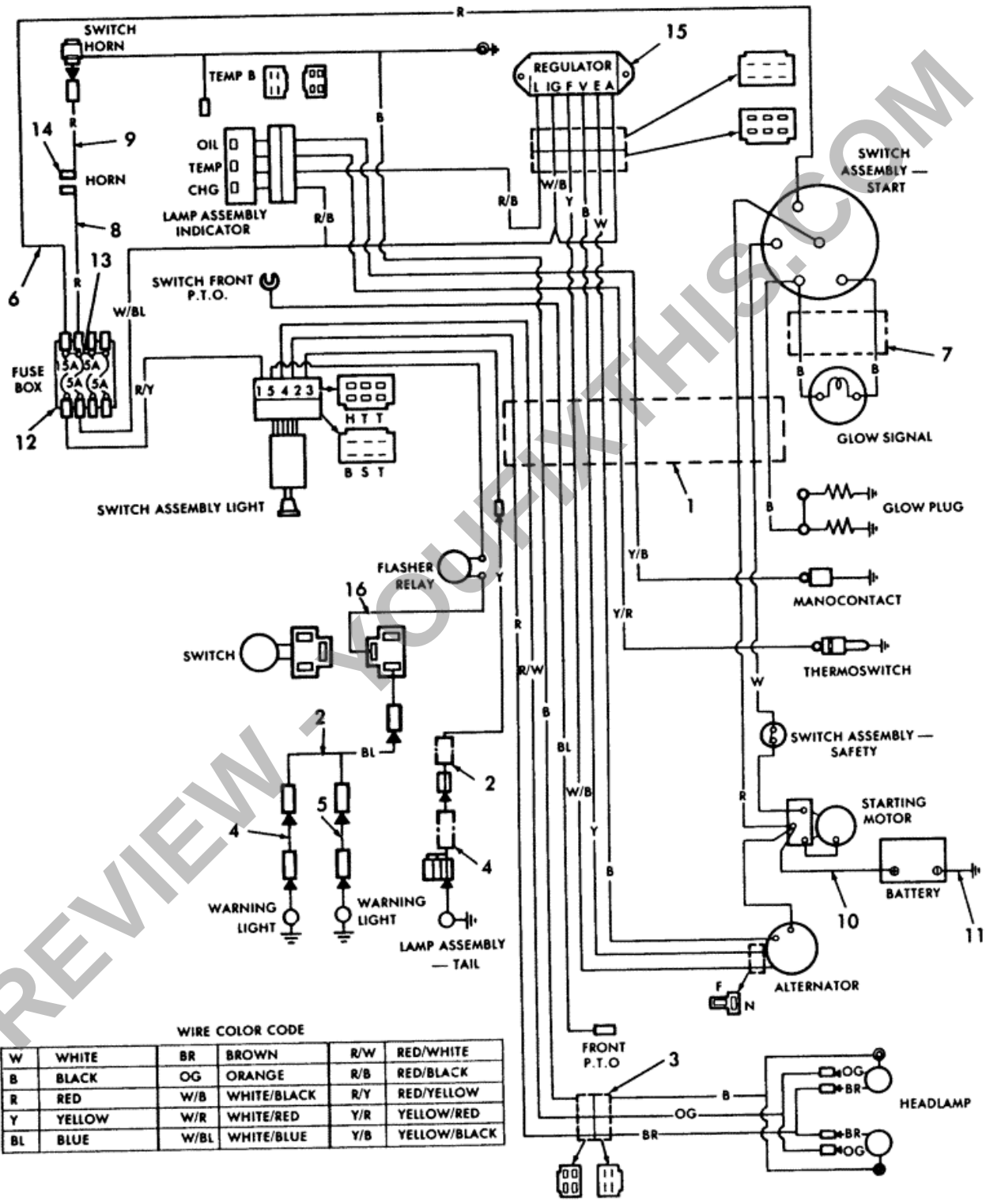
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(1500) - 2 CYL COMPACT TRACTOR (1/79-12/82) > (05B02) - HYDRAULIC CONTROL VALVE



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WIRE COLOR CODE

W	WHITE	BR	BROWN	R/W	RED/WHITE
B	BLACK	OG	ORANGE	R/B	RED/BLACK
R	RED	W/B	WHITE/BLACK	R/Y	RED/YELLOW
Y	YELLOW	W/R	WHITE/RED	Y/R	YELLOW/RED
BL	BLUE	W/BL	WHITE/BLUE	Y/B	YELLOW/BLACK

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WATCH YOUR PROOF METER HOURS

LUBRICATION AND MAINTENANCE SERVICE INTERVALS

LUBRICATION AND MAINTENANCE ITEM						SERVICE INTERVAL
Radiator	•					Every 10 Hours or Daily
Engine Oil Level	•					
Air Cleaner	•					
Transmission Oil Level	•					Every 50 Hours
Air Cleaner		•		•		
Front Diff. Oil Level	•					
Front Axle Oil Level	•					
Tires	•					
Clutch Pedal					•	
Battery	•					
Lubrication Fittings						
Steering linkage			•			
Front wheel spindles			•			
3-point linkage			•			
Engine Oil				•		Every 100 Hours
Fuel Filter		•				
Injection Pump Oil				•		Every 200 Hours
Fuel Filter				•		
Engine Oil Filter				•		
Fan Belt					•	
Brakes					•	
Steering Free-Play					•	
Front Axle Oil				•		Every 300 Hours
Front Diff. Oil				•		
Transmission—Rear Axle Oil				•		
Fuel Injectors	•				•	Every 600 Hours
Hydraulic Filter				•		
Air Cleaner (disassemble and clean)		•				
Radiator Coolant				•		Seasonal

Refer to your Operator's Manual for additional information

2

FUEL INJECTION PUMP SERVICE INSTRUCTIONS

- Change the lubrication oil every 200 hours.
- Fill the pump with clean oil of the same type used in the engine crankcase until oil flows from oil level check plug.

1

DIESEL ENGINE OIL INFORMATION

Service Grade CD

SAE 10W30, 10W40 for year around use
or
SAE 10W in severe cold below 32 F
SAE 20W for winter use 32 to 50 F
SAE 30W for summer use above 50 F

Change interval every 100 hours

3

AIR CLEANER SERVICE INSTRUCTIONS

- DISCARD OIL CLEAN CUP AND INNER MESH SCREEN ELEMENT WITH SOLVENT EVERY 50 HOURS
- FILL CUP WITH CLEAN ENGINE OIL UNTIL LEVEL WITH MARK

4

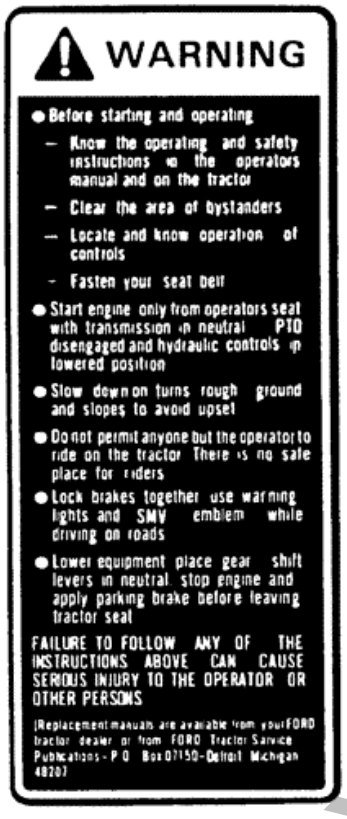
IMPORTANT

- For normal operation on firm soil hard surfaces and roading the unit front wheel drive should be disengaged to maximize tire and driveline life and fuel economy
- Only use front wheel drive when additional traction is required while operating in loose soil wet slippery conditions or on slopes

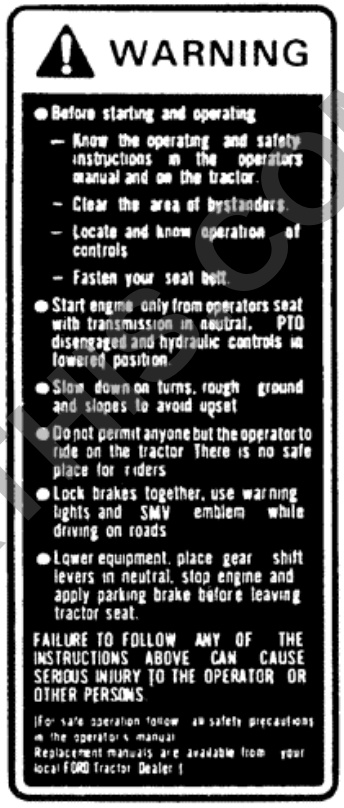
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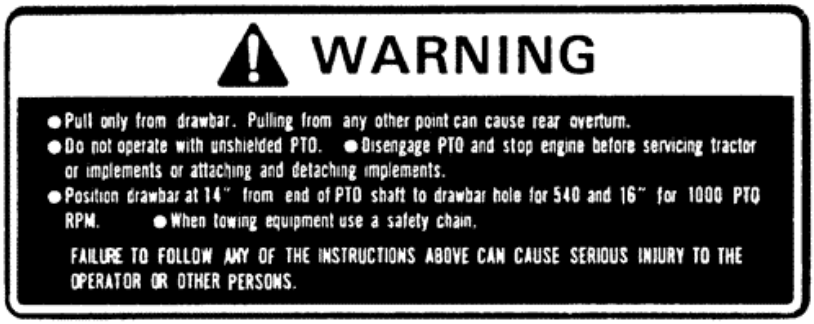
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1



2



3

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COMMON METRIC AND INCH HARDWARE CONVERSIONS

Allowances have been made in punched and drilled holes to allow interchangeability of metric and inch dimension hardware in fastening and mounting applications. However, this interchangeability does not apply to tapped holes or using metric dimension nuts on inch cap screws, studs and bolts. Likewise, inch dimension nuts cannot be used on metric cap screws, studs or bolts.

The following is a listing of common sizes for substitution.

Screw Diameter	
Inches	**Millimeters**
3/16"	5 mm
1/4"	6 mm
5/16"	8 mm
***3/8"**	***10 mm**
1/2"	12 mm
9/16"	14 mm
5/8"	16 mm
Screw Length	
Inches	**Millimeters**
5/8"	15 mm
3/4"	20 mm
***1**	***25 mm**
1-1/4"	30 mm
1-3/8"	35 mm
1-1/2"	40 mm
1-3/4"	45 mm
2"	50 mm
2-1/4"	60 mm
2-3/4"	70 mm
3"	80 mm
3-1/2"	90 mm
4"	100 mm

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Diag #	Part #	Name	Description	Qty
18	87351909	GASKET	, Start Year: 01-JAN-79	1
18	87351909	GASKET	, Start Year: 01-JAN-79	1
19	86511315	WASHER,M8 x 16 x 1.6	, Start Year: 01-JAN-79	14
20	SBA011510820	CAPTIVE WASHER SCREW,Hex, M8 x 20, G5	SCREW, CAPTIVE WASHER, Hex, M8 x 20, G5, Start Year: 01-JAN-79	14
21	412211	BOLT,Hex, M12 x 1.25 x 25mm, Cl 8.8	, Start Year: 01-JAN-79	1
22	SBA025100012	WASHER,M12	Seal M12, Start Year: 01-JAN-79	1
23	SBA068118280	TUBE	, Start Year: 01-JAN-79	1
24	SBA110706040	PAN	Assy., W/4WD, 1700, Start Year: 01-JAN-79	1

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(1500) - 2 CYL COMPACT TRACTOR (1/79-12/82) > (03D03) - FRONT DIFFERENTIAL, 4WD, 1500, 1700, 1900

Diag #	Part #	Name	Description	Qty
1	SBA330010230	SUPPORT	Assy., 1500 Includes: Ref. 2, Start Year: 01-JAN-79	1
1	SBA330010190	SUPPORT	Assy., 1700 Includes: Ref. 2, Start Year: 01-JAN-79	1
1	SBA330010180	SUPPORT	Assy., 1900 Includes: Ref. 2, Years: 01-JAN-79-28-FEB-80	1
1	SBA330010181	SUPPORT	Assy., 1900 Includes: Ref. 2, Start Year: 01-MAR-80	1
2	SBA030501025	BALL STUD,M10 x 25 L	DOWEL, , Pin M10 x 25 L, Start Year: 01-JAN-79	4
3	SBA011511235	BOLT,M12 x 35	, Start Year: 01-JAN-79	12
4	SBA322010471	CASE	Casing Assy. Includes: Ref. 5	1
5	SBA030501025	BALL STUD,M10 x 25 L	DOWEL, , Pin, 1700,1900 M10 x 25 L, Start Year: 01-JAN-79	4
5	SBA030501025	BALL STUD,M10 x 25 L	DOWEL, , Pin, 1500 M10 x 25 L, Start Year: 01-JAN-79	8
5A	SBA398460050	PLUG	, Years: 01-JAN-79-30-SEP-79	4
6	SBA064700012	PLUG	, Start Year: 01-JAN-79	1
7	SBA025100012	WASHER,M12	Seal M12, Start Year: 01-JAN-79	1
8	SBA322010111	SUMP	Casing Assy. Includes: Ref. 9, Start Year: 01-JAN-79	1
9	SBA398510140	BUSHING	, Start Year: 01-JAN-79	1
10	SBA322010100	SUMP	Casing Assy. Includes: Ref. 11, Start Year: 01-JAN-79	1
11	SBA398510190	BUSHING	, Start Year: 01-JAN-79	1
12	43168	BOLT,Hex, M16 x 40mm, Cl 8.8, Full Thd	, Start Year: 01-JAN-79	4
13	86729275	LOCK WASHER,5/8"	Washer, Lock, 5/8", Start Year: 01-JAN-79	4
14	SBA060620000	LUBE NIPPLE	Fitting, Start Year: 01-JAN-79	1
15	SBA052300500	O-RING	, Start Year: 01-JAN-79	1
16	SBA052300900	O-RING	, Start Year: 01-JAN-79	2
17	SBA322010170	SUMP	Casing Assy. Includes: Ref. 18, Start Year: 01-JAN-79	1
18	SBA042302820	BEARING ASSY	Bearing, Start Year: 01-JAN-79	1
19	SBA326990151	GASKET	, Start Year: 01-JAN-79	1
20	SBA011510830	BOLT	M8 x 30, Start Year: 01-JAN-79	4
21	SBA050203128	SEAL	, Start Year: 01-JAN-79	1
22	SBA052300400	O-RING	, Start Year: 01-JAN-79	1
23	84078050	SNAP RING,M22, Int	Ring, Snap, Start Year: 01-JAN-79	1
24	SBA322610070	COUPLING	, Start Year: 01-JAN-79	1

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