

1235
TRACTOR SERVICE MANUAL
FORM NUMBER 1449566M1
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GENERAL INFORMATION

TRACTOR TYPES AND IDENTIFICATION MARKS

FIG. 1: The following are show:

1. Model name plate.
2. Model name and serial number on the right side of the front frame.
3. Cast engine model name and engine serial number on the right side wall the cylinder block.

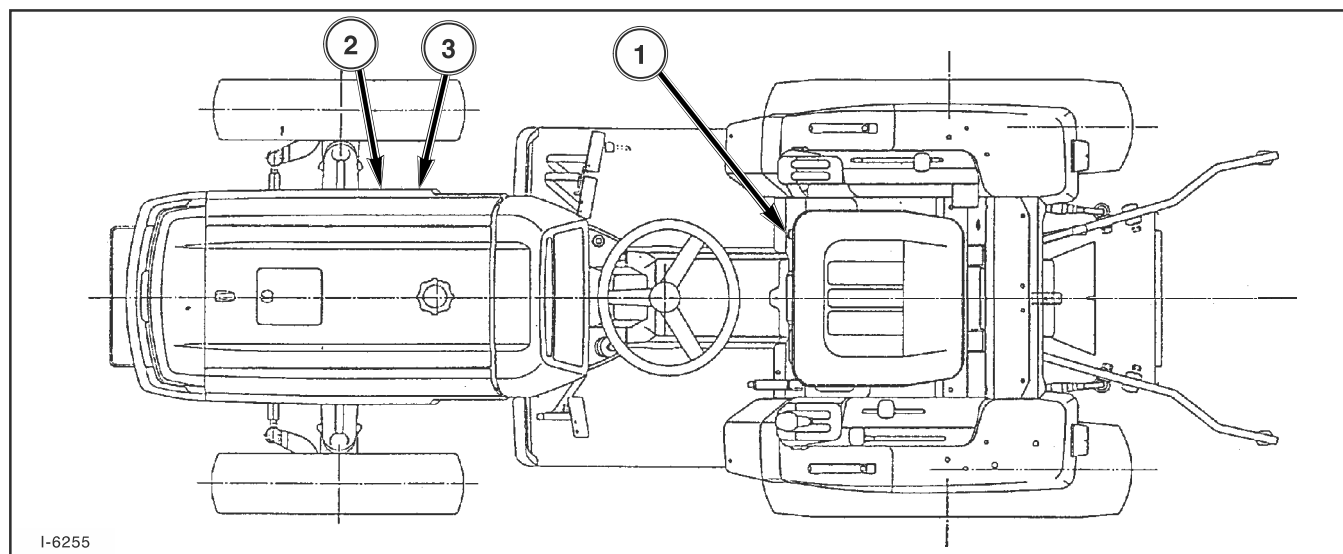


FIG. 1

MODEL NAME PLATE

FIGS. 2 & 3: Shown are the model name plates for the AGCO brand and the Massey Ferguson.

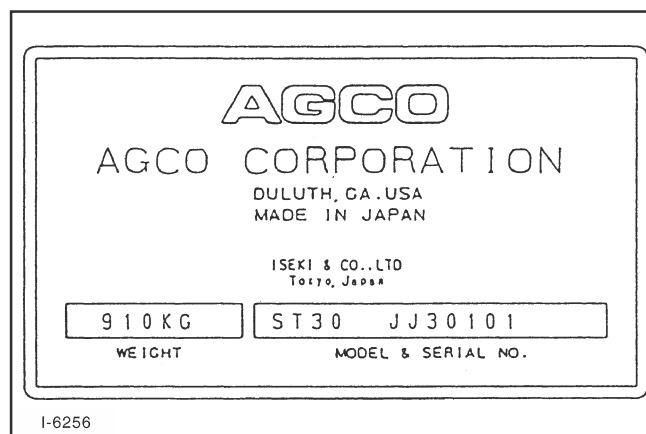


FIG. 2

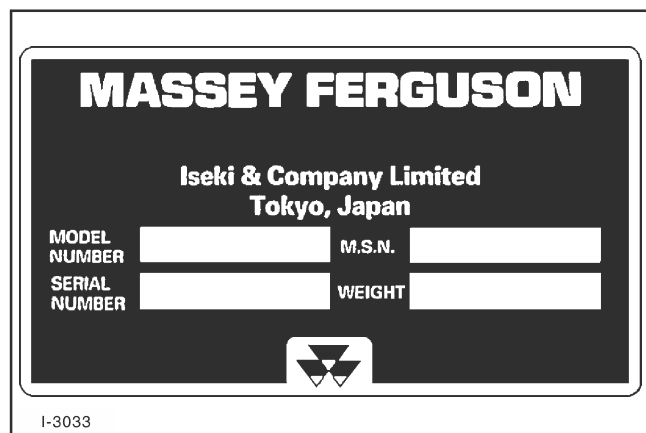


FIG. 3

CHASSIS PRODUCTION NUMBER

FIG. 4: Chassis number, 1, is stamped in right side of front frame.

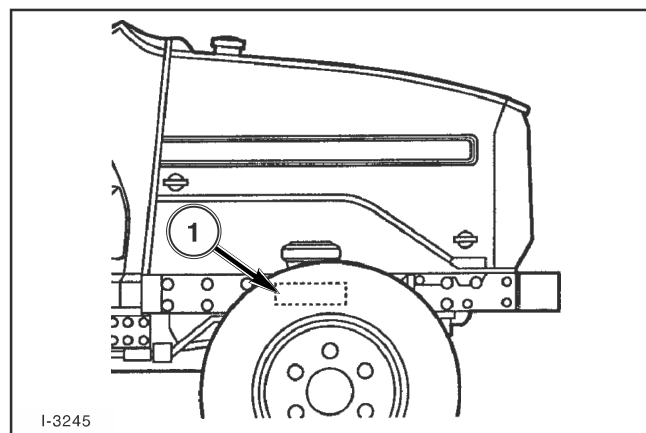


FIG. 4

ENGINE MODEL AND SERIAL NUMBER

FIG. 5: Shown are the following:

1. Engine model name
2. Piston displacement (liter)
3. Serial number

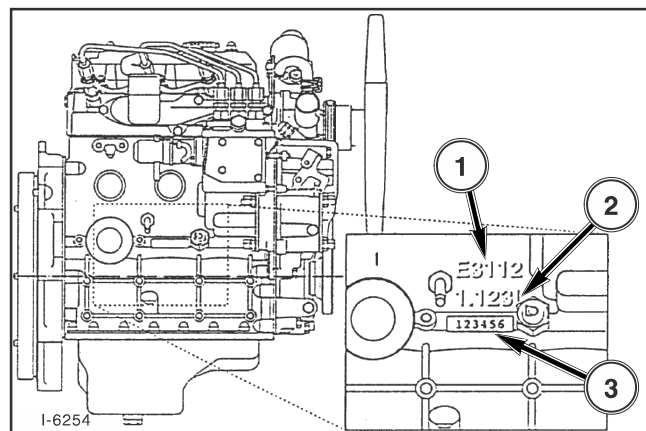


FIG. 5

A-4 - GENERAL

SPECIFICATIONS

Specifications are subject to change without notice.

	Reference	Ag. 4-WD	*Turf 4-WD (Std.Tires)
A1	Height Over Steering Wheel	55.1" (1400 mm)	54.3" (1380 mm)
A2	Height Over ROPS	79.1" (2010 mm)	78.3" (1990 mm)
B	Minimum Width	55.6" (1411 mm)	50.5" (1282 mm)
C	Overall Length	118.5" (3010 mm)	118.5" (3010 mm)
D	Wheelbase	64.6" (1640 mm)	64.6" (1640 mm)
E	Minimum Ground Clearance	12" (305 mm)	11.2" (285 mm)
—	Turning Radius wo/Brake	102.4" (2600 mm)	104.3" (2600 mm)
—	Turning Radius w/Brake	90.5" (2300 mm)	92.5" (2350 mm)
—	Weight (Mechanical trans.)	1896 lbs. (860 kg)	1896 lbs. (860 kg)
—	Weight (Hydrostatic trans.)	1962 lbs. (890 kg)	1896 lbs. (860 kg)
—	Weight (R-4 Tires)	—	125 lbs. (57 kg)

	Reference	Turf (Over size) 4-WD**
A1	Height Over Steering Wheel	56.3" (1430 mm)
A2	Height Over ROPS	79.5" (2020 mm)
B	Minimum Width	52.1" (1323 mm)
C	Overall Length	118.5" (3010 mm)
D	Wheelbase	64.6" (1640 mm)
E	Minimum Ground Clearance	12.4" (315 mm)
—	Turning Radius wo/Brake	104.3 " (2650 mm)
—	Turning Radius w/Brake	94.5" (2400 mm)
—	Weight (Mechanical trans.)	—
—	Weight (Hydrostatic trans.)	2006 lbs. (910 kg)
—	Weight (R-4 tires)	Add 125 lbs. (57 kg)

Engine

Make Iseki Diesel
Model E3CD
Type Indirect injection, overhead valve
Aspiration Natural
Displacement 91.4 cu. in. (1498 cc)
Number of Cylinders 3
Bore 3.425" (87mm)
Stroke 3.307" (87mm)
Engine Horsepower (Net SAE) @ 2500 rpm 30
PTO Horsepower (Estimate) 25
Firing Order 1-3-2
Compression Ratio 21.5 to 1
Low Idle Speed 950 rpm
High Idle Speed 2750 rpm
Valve Clearance; (Cold); Intake014" (0.35 mm)
Valve Clearance; (Cold); Exhaust014" (0.35 mm)
Air Cleaner Single stage, dry element
Engine Cooling Liquid, forced circulation
Cold Starting Aid Glow plugs (3)

A-6 - GENERAL

Transmission (Refer To Operation Section For Ground Speeds)

Primary Hydrostatic - Infinite Control
Range 3
Gear Selections 3 forward-3 rev.
Clutch Single stage
Brakes Mechanically actuated sealed wet disc

Power Take-Off (PTO)

Type Engine driven
Control Lever & foot clutch
Rear PTO; Shaft (Six spline) 1.375" (35 mm) dia.
 Output Clockwise rotation
 Engine Speed; @ 540 PTO rpm 2327 rpm
Mid-PTO; Shaft (Fifteen spline) 1" (25.4 mm) dia.
 Output Clockwise rotation
 Engine Speed; @ 2000 PTO rpm 2500 rpm

Hydraulics

Main Hydraulic System: Pump Engine mounted gear pump
 Maximum Output - gallons (liters) 6.0 (22.8)
 Pressure - Relief Valve - psi (kg/cm) 2130 (150)
 Rear Linkage Type Three-point hitch
 Size Category I
 Control Position control lever
Draft control (Accessory) Top link sensing
Lift capacity @ ball ends - lbs (kg) 1984 (900)

Steering System (Optional)

Type	Power assist
Pump	Separate engine mounted gear type
Maximum Output - U.S. gals. (liters)	2.5 (9.61)
Pressure Relief Valve - psi (kg/cm)	1707 (120)

Electrical System

System Voltage (12 volt)	Negative ground
Battery cca @ 3°F (15°C)	582
Alternator with internal regulator	40 amp

Tread Width Settings

Front - Ag Tires	37.8" (960 mm)
Rear - Ag Tires	43.1" (1096 mm)
Front - Turf Tires	40.2" (1020 mm) *
Rear - Turf Tires	38.4" (975 mm) **

* With 27 x 8.50-15 tires

** With 13.6-16 tires

Front R-4	42.5 (1080)
Rear R-4	37.5 (960)

Capacities

Engine Crankcase w/filter - U.S. qts. (liters)	4.2 (4.1)
Transmission - U.S. qts. (liters)	12.7 (12.1)
Front Reduction Case - U.S. qts. (liters)	1.1 (1.0)
Cooling System - U.S. qts. (liters)	7.5 (7.1)
Front Drive Axle (4WD only)	
U.S. qts. (liters)	4.7 (4.5)

Power Steering Reservoir (option)

U.S. qts. (liters)	1.2 (1.1)
Fuel Tank - U.S. gallons (liters)	6.0 (23.1)

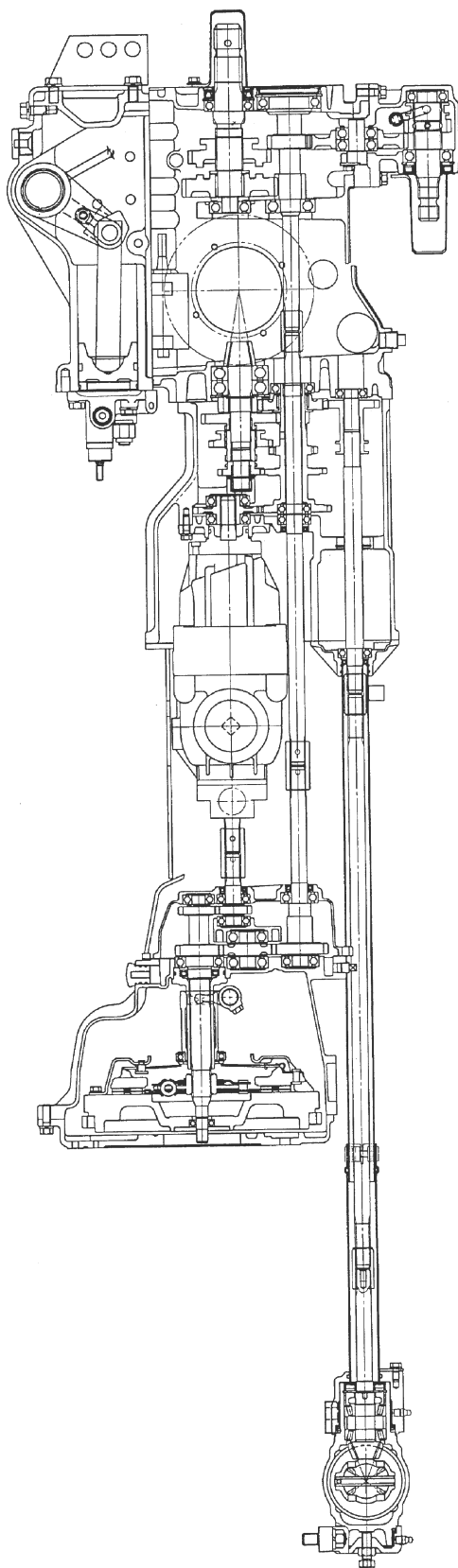
Maximum Axle Loading

Front - 4WD - Fixed Axle - lbs (kg)	1929 (875)
Rear Axle - Fixed Axle - lbs (kg)	2207 (1000)

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DRAWINGS OF TRANSMISSION MECHANISMS



I-6262

FIG. 7