Replacement parts for Ferguson TEA 20
AgSpare® is a family business which was established in 1983 to supply local farmers with tractor parts. The company is now an established Supplier of AgSpare® new and used tractor parts to Tractor Dealerships and Farmers throughout New Zealand and Overseas.

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Index:  
Cooling 3  
Front axle 4  
Steering 5  
Engine Parts 6  
Fuel 8  
Clutch 9  
Electrics 10  
Panels & Decals 12  
Paint 12  
Hydraulics 13  
Brakes 13  
Rear axle 13  
Rear Linkage 14  
PTO 14

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Cooling

1. E0024 Top Hose
2. E0027 Bottom Hose
3. E0028 By Pass Hose
4. E0030 Air Cleaner to Dash Hose
5. E0031 Air Cleaner to Carb - Intake Pipe
6. E0032 Carb to intake pipe - Stepped
   (If Late type 28G carb fitted use E31 straight hose)
7. E0033 Breather Pipe to Air Cleaner
8. E4131 Hose Kit - Water Hoses only
9. E0040 Fan Belt - Std 80mm Bore, (Water pump on block)
   E0041 Fan Belt - 85mm Bore, (Water pump on Head)
10. E0036 Thermostat
11. E0037 Thermostat Housing
12. E0038 Water Pump
13. E1233 Seal - Water pump
14. E2543 Radiator
15. E0596 Radiator Cap
1. E0004  Front Axle Bolt
2. E0003  Front Axle Nut
3. E0002  Radius Rod Bolt
4. E0003  Radius Rod Nut
5. E0009  Stub Axle LH
6. E0010  Stub Axle RH
7. E0013  Kingpin Repair Kit (1 side includes 2 bushes & thrust bearing)
8. E0014  Wheel Bearing & Seal Kit (1 side includes 2 bearings/seal)
9. E1364  Keyed Washer 3/4"
10. E0016  Nut -Hub Retaining 3/4"
11. E0015  Wheel Hub
12. E0017  Hub Cap
13. E0018  Wheel Stud
14. E0019  Wheel Nut
15. E0007  Axle Pivot Pin
16. E0005  Axle Pivot Bush
1  E0020  Front Ball Joint LH & RH
2  E0021  Rear Ball Joint LH & RH
3  E1345  Ball Joint Rubber Boot
4  E0144  Steering Wheel-Standard Type
5  E0144SP  Steering Wheel-Steel Spoke Type
6  E1432  Chrome Nut
7  E1433  Chrome Washer
8  E4132  Chrome Dust cover
9  E4133  Seal -Steering Box Drop arms
10 E1199  400 x 19 Front Tyre
11 E0510  400 x 19 Front Rim
12 E3673  400 x 19 Front Tube

Can use 600 x 16 Rims & Tyres. Although these are wider, they are about the same overall diameter and will bolt straight on to a standard Ferguson hub.

13 E1196  600 x 16 Front Tyre
14 E0511  600 x 16 Front Rim
15 E3674  600 x 16 Tube
16 E0000  600 x 16 Wheel complete
18 E0145  Steering Wheel Spinner
ENGINE OVERHAUL KITS

“MINOR KITS” - FOR IN-FRAME REPAIR. Includes - Pistons, Gudgeon Bushes, Piston Rings, Liners, Con Rod Bearings, Con Rod Lock Nuts (where fitted), Top & Bottom Gasket Sets.

“MAJOR KITS” - FOR OUT OF FRAME REBUILD. Includes ALL of the above PLUS - Main Bearings, Thrust Washers, Front & Rear Seals.

80MM BORE (water pump on block 6volt)

1 E0051 Minor Kit (up rates engine to 85mm spec)
E0052 Major Kit (up rates engine to 85mm spec)

85MM BORE (water pump on head mostly 12volt)
E0053 Minor Kit
E0054 Major Kit

2 E0060 Ring Set only (per cyl) 80mm bore
E0061 Ring Set only (per cyl) 85mm bore

3 E0067 Main Bearings

4 E0064 Conrod Bearings

5 E0074 Oil Pump Rotor Assembly

6 E0073 Rear Engine Seal

7 E0043 Front Timing Cover Seal

8 E0047 Cup & Shaft

9 E0046 Govener Weight Assembly

10 E0049 Cam Shaft Sprocket

11 E0050 Crank Shaft Sprocket

12 E0045 Timing Cover Gasket

13 E0048 Timing Chain

14 E4134 Timing Cover
<table>
<thead>
<tr>
<th></th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E1634</td>
<td>Engine Oil Filter</td>
</tr>
<tr>
<td>2</td>
<td>E0085</td>
<td>Top Gasket Set Suits 85 &amp; 80mm Bore Engines</td>
</tr>
<tr>
<td>3</td>
<td>E0087</td>
<td>Bottom Gasket Set</td>
</tr>
<tr>
<td>4</td>
<td>E0094</td>
<td>Sump Gasket</td>
</tr>
<tr>
<td>5</td>
<td>E0093</td>
<td>Rocker Cover Gasket</td>
</tr>
<tr>
<td>6</td>
<td>E0095</td>
<td>Exhaust Manifold Gasket (1 Pair)</td>
</tr>
<tr>
<td>7</td>
<td>E0078</td>
<td>Exhaust Valve -80mm Bore</td>
</tr>
<tr>
<td></td>
<td>E0079</td>
<td>Exhaust Valve -85mm Bore</td>
</tr>
<tr>
<td>8</td>
<td>E0078</td>
<td>Inlet Valve -80mm Bore</td>
</tr>
<tr>
<td></td>
<td>E0077</td>
<td>Inlet Valve -85mm Bore</td>
</tr>
<tr>
<td>9</td>
<td>E0083</td>
<td>Valve Spring -Inlet &amp; Exhaust</td>
</tr>
<tr>
<td>10</td>
<td>E0081</td>
<td>Valve Guide</td>
</tr>
<tr>
<td>11</td>
<td>E0092</td>
<td>Cylinder Liner Gasket (2 Required)</td>
</tr>
<tr>
<td>12</td>
<td>E0075</td>
<td>Ring Gear -12Volt Models</td>
</tr>
</tbody>
</table>
1 E0111 Exhaust Clamp
2 E0112 Rain Cap
3 E0096 Exhaust Elbow
4 E0097 Gasket - Exhaust Elbow
5 E0101 Muffler (Vertical)
5 E0101HD Hush Muffler - Ultra Quiet
6 E0105 Muffler (Down Swept, Horizontal)
7 E0109 Exhaust Down Pipe
8 E0095 Gasket - Exhaust Manifold
9 E3834 Exhaust Manifold
10 E3739 Needle & Seat - 24t2 Carburettor
11 E3738 Float - Zenith 24t Carburettor
12 E3740 Gasket Set - Zenith 24T Carburettor
13 E3741 Gasket Set - Zenith 28G Carburettor
14 E3657 Carburettor Zenith 24T2
15 E2509 Repair Kit for 24T2 Carburettor
16 E2508 Repair Kit for 28G Carburettor
1. E3658 Fuel Tank
2. E4135 Brass Fuel Cap
3. E3130 Fuel Tap Assembly
4. E2968 Fuel Bowl 54mm
5. E2507 Gasket - Fuel Bowl 54mm
   - E2906 Gasket - Fuel Bowl 50mm
6. E0149 Gear Lever Boot
7. E0181 Seal - Main Drive Input Shaft
8. E0151 Crank Handle
9. E3665 Clutch Kit
   (Includes Cover Assembly, Main Plate, Thrust Bearing & Pilot Bearing)
   - E0161 Clutch Cover Assembly 9"
   - E0163 Main Plate 9" x 1 3/8" x 10 Spline
   - E0166 Thrust Bearing
   - E0165 Pilot Bearing
10. E4136 Oil Pressure Gauge (White Face)
11. E0134 Oil Pressure Gauge (Black Face)
12. E0135 Ammeter Gauge
13. E0136 Water Temperature Gauge

0800 788 788
1  E4137  Full Ignition Kit
2  E0116  Condenser
3  E0114  Rotor
4  E0119  Spark Plug
5  E0115  Points
6  E0113  Distributor Cap
7  E0117  12 Volt Coil
8  E0126  Starter Motor 12v
9  E0120  Starter Switch
10 E0123  Voltage Control Box -12v (Push in Terminals)
11 E0118  HT Lead Set
12 E4138  Key Switch
13 E2566  6 to 12 Volt Conversion Starter Motor
          E3659  12 Volt Conversion Kit to fit most 6 Volt Models
14 E0129  12 Volt Generator
15 E4153  Alternator Conversion Kit
16 MF50  Battery -Super Charge
Lights, Paint & Seats

1. E4139 Ferguson Owners Manual
2. E1134 Ferguson Workshop Manual
3. E3475 Head Lamp Assem -LH
   E3476 Head Lamp Assem -RH
4. E4142 Lighting Kit -3 Lamps, 1 Switch
5. E4141 Marker Lamp LH/RH -Red/Clear Lens
6. E4140 Bracket -Butler Side Lamp
7. E0141 Spray Can -Ferguson Stoneleigh Gray
   E2511 Ferguson Light Grey -1 Litre
   E0138 Ferguson Stoneleigh Grey -1 Litre
   E3339 Ferguson Stoneleigh Grey -4 Litre
   E0139 Massey Ferguson Red -1 Litre
   E3338 Massey Ferguson Red -4 Litre
   E3678 Primer/Undercoat -4 Litre
   E0140 Thinners -4 Litre
8. E4012 Seat Cushion (Fits Original Ferguson seat E0152S)
    Available Black, Red/White, Blue/White
9. E0152S Seat Pan Original Type
10. E0152 Seat Pan -Zinc Plated
11. E3663 Seat Pan -Upholstered
12. E3660 Wiring Harness

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1. E4143 Bonnet Assembly Complete
   E4144 Bonnet -Upper
   E4145 Pair of Side Panels
2. E0150 Bolt Bonnet Pivot
3. E2941S Rear Guards -Steel
   E2941F Rear Guards -Fibreglass
4. E4146 Bonnet Rubber
5. E4147 Bonnet Stay
6. E4148 Ferguson Metal Badge -Front Bonnet
7. E3662 Ferguson Side Name Plate
8. E0197 Mudguard Bolt -Standard
   E0197L Mudguard Bolt -Long (Models with Safety Frame)
9. E3896 Pair of Grilles
10. E3897 Front Grille -T Piece
11. E2565L LH Footplate
    E2565R RH Footplate
12. E0146R Tool Box -Red
    E0146 Tool Box -Black (Water Proof)
1. E1192 Rear Tyre 12.4/11x28
   E2219 Rear Tyre 11.2/10x28
2. E3675 Rear Rim 9x28
3. E0213 Bolt -Rim to Disc
4. E0212 Rear Wheel Nut
5. E0211 Rear Wheel Stud
6. E0214 Brake Lining Set (With Rivits)
7. E1877 Brake Shoe Set
8. E1879 Brake Drum
9. E4149 Spring
10. E0215 Spring -4 Required
11. E4150 Brake Equalizers
12. E0207 Gasket -Inner Axle Hsg
13. E0206 Gasket -Axle Housing
15. E1863 Gasket -Side Plate
16. E3395 Gasket -Hyd Lift cover
17. E3396 Gasket -Hyd Pump Base
18. E0203 Seal -Inner Axle
19. E0201 Seal -Outer Axle
20. E0208 Collar -Locking
21. E1207 Bearing -Rear Axle (Cup & Cone)
22. E4151 Friction Disc -Hydraulic Control Lever
23. E2424 Control Valve -Hyd Pump
24. E4152 Major Hydraulic Repair Kit

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1. E1980 Plow Arm
2. E2007 Stabilizer Bracket -LH
   E2008 Stabilizer Bracket -RH
3. E2018 Stabilizer Pin
4. E2023 Pin & Clevis -Plow Arm
5. E3929 Lynch Pin -Std 11mm
6. E0551 Yoke -LH Dropper
7. E0542 Level Box Assembly
8. E3671 Draw Bar Stay -Upper (2 Req)
   E3672 Draw Bar Stay Lower (2 Req)
9. E1977 Top Link Pin 19x75mm
10. E2012 Stabilizer Bar -Adjustable
   E0366 Stabilizer Bar -Rigid
11. E3670 Hinge Pin
12. E2005 9 Hole Drawbar
13. E3744 Overrun Clutch 1-3/8”
14. E3677 PTO Adaptor 6 Spline 1-1/8” to 1-3/8”
15. E2426 PTO Seal 38x66x22
16. E0218 PTO Shaft 1-3/8” Conversion
17. E0220 PTO Cap (Cover)
18. E2414 Towball 1-1/8”
Some of the tractors we are keeping in action:

**New Holland TL90A**
“Supplied Front end loader, Engine Filters LH Door Glass and Mirror”

**Ford 4610**
“Supplied New Tyres, Muffler, Suspension Seat, Rear Guard Lights, Paint and Decals”

**Ford 4600**
“Supplied Clutch Kit, Seat, Decals, Front Grille, Rear Guards, Brake Pedals and Filters”

**David Brown 880**
“Supplied Tie-Rod ends, Decal Set, Gaskets, Toplink, and Bypass Hose”

**Massey Ferguson 135**
“Supplied Paint, Decals, Front wheels, Filters, Panels & Gauges”

**Ferguson TEA**
“Supplied Wheels, Steering Wheel, Paint, Seat, Footplates and Spark Plug Kit”

**McCormick CX100**
“Supplied Roll frame, Dash Parts, Starter Motor and Paint”

**Massey Ferguson 275**
“Supplied Suspension Seat, Paint, Decal Set, Engine Parts, Front Grille and Headlights, Precleaner Unit”

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Ferguson Tractor Models
TE20 Standard built tractor with Continental Z-1 20 engine, 1946-48
TEA20 Standard built tractor with Standard engine, petrol, 1947-56 (New Zealand)
T020 Standard built tractor with Continental Z-120 engine 1948-51
TEB20 Standard built tractor with Continental engine, narrow, 1946-48
TEC20 Standard built tractor with Standard engine, narrow, 1948-56
TED20 Standard built tractor with V.O. Standard engine, 1949-56
TEE20 Standard built tractor with V.O. Standard engine, narrow 1949-56
TEF20 Standard built tractor with Standard diesel engine 1951-56 (New Zealand)
T030 Standard built tractor with Continental Z-129 engine 1951-54
TEH20 Standard built tractor with Standard zero octane engine, 1950-56
TEK20 Standard built tractor with Standard diesel engine, Vineyard, 1952-56
TEL20 Standard built tractor with Standard V.O. engine, Vineyard, 1952-56
TEP20 Standard built tractor with Standard petrol engine, Industrial, 1952-56
TER20 Standard built tractor with Standard V.O. engine, Industrial, 1952-56
TET20 Standard built tractor with Standard diesel engine, Industrial, 1952-56

Engine Specifications
Model Cylinders Bore x Stroke cc Fuel HP
Continental Z120 4 81mmx95mm 1966 Gasoline 23.9
Continental Z129 4 3.25"x3.875" 2113 Gasoline 30.27
Standard 4 80mmx92mm 1850 Gasoline 23.9 (New Zealand)
Standard 4 85mmx92mm 2088 Gasoline 28.2 (New Zealand)
Standard 4 80.96x101.6mm 2092 Diesel 26.0 (New Zealand)

Specifications
Headtorque setting ...................... 65 ft lb
Main bearing torque setting ........ 90 ft lb
Conrod bearing torque setting ..... 50 ft lb
Inlet valve clearance ................... .010"
Exhaust valve clearance .............. .012"
Firing order......................... 1,3,4,2
Sparkplug gap .......................... -0.030 to -0.032
Points gap .............................. -0.014" to -0.016"
Engine Oil............................... 15w40 (6.8Litres)
Hydraulic/Transmission Oil.......... Super Trac (22.8 Litres)

SERIAL NUMBERS
MODEL & YEAR
YEAR START END
1946 1 315
1947 316 20894
1948 20895 77772
1949 77773 116461
1950 116462 241335
1951 167837 241335
1952 241336 310779
1953 310780 367998
1954 367999 428092
1955 428093 488578
1956 488579 517651

TEA 20 MODELS -Identification
(Fergy 24) 80mm 6 volt = water pump on block (has mesh screen on top of air cleaner)
(Fergy 28) 85mm 12 volt = water pump on head (has air cleaner intake through dash)