Service Manual

Dumpster HTD5

Section 1 - General Information

Section 2 - Care & Safety

Section 3 - Maintenance

Section B - Body and Framework

Section C - Electrics

Section E - Hydraulics

Section J - Tracks

Section K - Engine



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Circuit Diagrams

Engine Electrical Circuits

Yanmar Engine

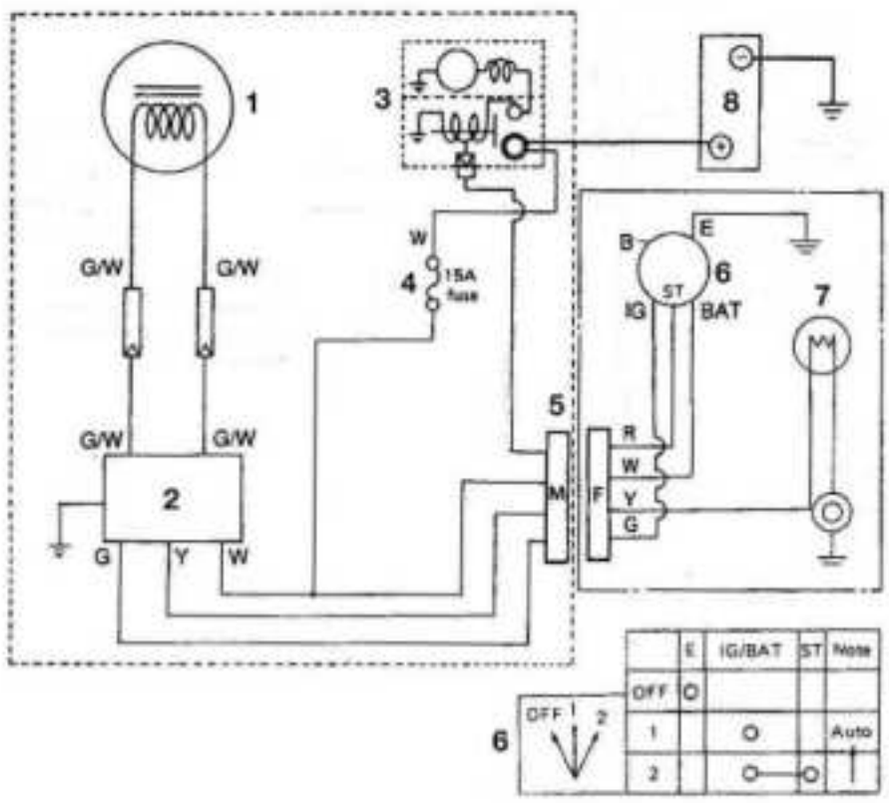


Fig 1.

Key

1	Alternator
2	Voltage Regulator
3	Starter Motor
4	Fuse
5	Connector
6	Starter Switch
7	Battery Charge Warning Light
8	Battery

Wire Colours

R	Red
Y	Yellow
G	Green
W	White
G/W	Green/White

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Technical Data

General Data

Tracks

Type	Rubber
Width	180 mm (7.09 in)
Number of links	35
Link Pitch	72 mm (2.8 in)

Bottom Rollers

Type	Sealed for life
Quantity	2 per side

Idler Wheels

Type	Sealed for life
Adjustment	Manual or hydraulic

Wear Tolerances

	Nominal	Tolerance
Wear on roller (guide width)	15 mm (0.590 in.)	- 6 mm (- 0.236 in.) minimum
Wear on roller (O/D)	93 mm (3.661 in.)	- 5 mm (- 0.197 in.) minimum
Wear on idler external surface (width)	48 mm (1.890 in.)	- 8 mm (- 0.315 in.) minimum
Wear on idler external surface (guide width)	15 mm (0.590 in.)	- 6 mm (- 0.236 in.) minimum
Wear on idler (O/D)	213 mm (8.386 in.)	- 5 mm (- 0.197 in.) minimum
Driven Sprocket tip end (O/D)	254 mm (10.000 in.)	- 8 mm (- 0.315 in.) minimum
Driven Sprocket tip end (width)	19 mm (0.748 in.)	- 4 mm (- 0.157 in.) minimum

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Recoil Unit - Removal and Replacement

Removal

1 Remove the track ⇨ *Track Removal and Replacement (J-6)*.

2 Withdraw the idler wheel and recoil unit assembly from the undercarriage frame.

3 Separate the recoil unit from the idler wheel side bars **C** by unscrewing bolts **B**.

⚠ WARNING

The recoil unit spring can cause serious injury if suddenly released. Take great care when removing and replacing the spring retaining nut.

Scrap recoil units must be dismantled before transfer from the workshop

Do not use flame cutting equipment unless precautions are taken to release the spring pressure slowly.

TRACK-1-9

Replacement

1 Assemble the recoil unit to the idler wheel side bars **C**. Fit and tighten bolts **B**.

2 Slide the complete assembly into the undercarriage frame.

3 Refit the track and adjust the track tension ⇨ *Track Adjustment (J-4)*.

Idler Wheel - Removal and Replacement

Removal

1 Remove the track ⇨ *Track Removal and Replacement (J-6)*.

2 Remove the idler wheel and recoil unit assembly from the undercarriage frame.

3 Separate the recoil unit from the idler wheel side bars **C** by unscrewing bolts **B**.

4 Drive out the two roll pins **D** and remove the side bars **C** from the idler assembly.

Replacement

1 Assemble the idler side bars **C** to the idler spindle taking care to align the roll pin holes. Fit the roll pins **D**.

2 Assemble the recoil unit to the idler wheel side bars **C**. Fit and tighten bolts **B**.

3 Slide the complete assembly into the undercarriage frame.

4 Refit the track and adjust the track tension ⇨ *Track Adjustment (J-4)*.

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Outer Track Rubber - Tearing/Cuts

Cause:

1 Cuts on the lug are often due to particularly sharp materials such as stones, the problem is particularly evident if using sharp driving techniques on demolition type ground (e.g. stones, debris etc.).

Prevention:

1 The life expectancy of a track is greatly reduced by working on a site where sharp and pointed materials are numerous. Operate the machine with attention to the ground's surface in rough terrain, e.g. demolition sites, rocky ground etc.



Fig 10.

Additional Notes:

You can do less damage by driving slowly on hard surfaces. Small cuts on the lug do not prevent the track from being used. When the cut goes deeper down and reaches the steel cord or the core bar, the track must be repaired. If a lug is pulled out, the track can be used but the grip on muddy surfaces will be greatly reduced.

Outer Track Rubber - Fast Abrasion

Cause:

1 Sharp driving on hard and abrasive surfaces, for example concrete, asphalt etc.

2 Operation on surfaces where the temperature is unusually high, for instance, travelling over freshly laid asphalt.

Prevention:

1 Operate the machine with care, avoid making quick and repeated turns.

2 Do not stay too long on very hot surfaces. On the other hand, the track is safe if you just go across this area.



Fig 11.

Additional Notes:

A track can still be used if the lug is higher than 5mm, otherwise the track must be replaced. Refer also to warranty pro-rata use scale.

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