

SERVICE INFORMATION

HATZ Diesel Engine

Parts List for Routine Service of HATZ 4H50TIC Industrial Diesel Engine (Tier 4 Final)

Refer to Engine Manufacturer's Service Manual for Engine Service Details

(Engine must be serviced after first 50 hours, then every 500 hours of operation or as needed)

| Description | Road Dryer P/N | Manufacturer's P/N | Service Interval |
|---|----------------|--------------------|-------------------------|
| Air Filter (Main Element H50) | 5000-2338 | HATZ 50638200 | 500 Hours |
| Air Filter (Secondary Element H50) | 5000-2339 | HATZ 50638300 | 500 Hours |
| Oil Filter H50 | 5000-2340 | HATZ 50638800 | 500 Hours |
| Oil Separator H50 (Crank Case Vent) | 5000-2341 | HATZ 50640500 | 500 Hours |
| Fuel Filter H50 | 5000-2342 | HATZ 50638100 | 500 Hours |
| Pre-Fuel Filter | 5000-2343 | HATZ 50638000 | 500 Hours |
| Poly-V-Belt (Engine) H50 | 5000-2344 | HATZ 50629401 | 500 Hours |
| Fuel/Water Separator Filter | 5000-1297 | RACOR R20P | As needed |
| CAT Battery Engine (12V, CCA 800, AH 50) | 5000-2050 | CAT 8C-3612 | 2 Years or as needed |

| | |
|--|---|
| Diesel Fuel | Ultra Low Sulfur Fuel Only (Engine and Burner System draw from same tank) |
| Engine Oil | 10W40 Diesel Grade - Ultra-Low Sulfur (Most Regions) |
| Engine Radiator Protection Fluid ^{*)} | Coolant Fluid must be approved by HATZ, i.e. Havoline XLC (OF02), Havoline XLC+B, Castrol Radicool SF, Exxon Mobil Delvac ELC Coolant |
| Bearing Lubricant | NLGI Grade 2 |
| DEF and DPF ^{**)} | Not required (Engine meets US EPA Tier 4 Final and EU 97/68 Stage 3 B) |
| Fuel Tank Capacity | Minimum 100 Gallons (379Liters) |
| | |

Consult Road Dryer Operating Manual for PTO and engine-to-fan coupler service and adjustment.

*) Contact Road Dryer Customer Service Dept. for complete list of HATZ approved Radiator Protection Fluids.

***) DEF = Diesel Exhaust Fluid DPF= Diesel Particulate Filter

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SERVICE NOTES
Road Dryer System

| Description | Road Dryer P/N | Manufacturer's P/N | Service Interval |
|--|----------------|-----------------------------------|------------------|
| Fuel/Water Separator Filter | 8000-1066 | RACOR S3232 | As needed |
| Battery 24V | 8000-1019 | Interstate 12V SRM-40 (2) | As needed |
| Cartridge Fuse 5A | 8000-1067 | Ferraz Shamut OTM5 | As needed |
| Ignition Electrode Set | 5000-5077 | Crown Engineering 55231 | As needed |
| Ignition Transformer | 8000-6030 | Dongan A10-LF3X | As needed |
| Thermocouple | 8000-6136 | Pyromaiton J48G-013-8c06-45 | As needed |
| Thermocouple Cable | 8000-6031 | Omega M12CM-EXTT-J-SF-10 | As needed |
| Flame Sensor | 8000-6024 | Honeywell C554A1463/U | As needed |
| Process Air Pressure Gauge | 8000-5035 | WintersPLP341-UC | As needed |
| Nozzle Box Hose | 8000-5147 | Masterduct HT850 | As needed |
| Nozzle Box Hose Clamp | 8000-2148 | Bridge Clamp, 10", Counter Clocw. | As needed |
| Nozzle Box Casters | 8000-1040 | 22665T33 | As needed |
| Nozzle Box Hoist | 8000-6112 | Warn Industries 85190 | As needed |
| Flexible Draw Latch w/Keeper | 5000-0104 | Allegis F7-73 | As needed |
| Burner Fuel Pressure Switch | 8000-5010 | Ashcroft B424BXG8FS | As needed |
| Process Air Pressure Switch | 8000-5011 | Ashcroft B424BXFS 10" | As needed |
| Combustion Air Pressure Switch | 8000-6025 | Kromschroder DG6T | As needed |
| Fuel Level Sensor | 8000-5122 | Wema 41489 | As needed |
| Burner Fuel Pump | 8000-6016 | Webster 41489 | As needed |
| Process Air Fan Bearing – Driven Side | 8000-5072 | Dodge P2BIP203R | As needed |
| Process Air Fan Bearing – Non-Driven Side | 8000-5073 | Dodge P2BIP111RE | As needed |
| Process Air Fan Filter | 8000-6105 | Road Dryer R160005 | As needed |

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SERVICE NOTES
Road Dryer System

| Description | Information |
|-----------------------------------|--|
| Tires (Geo Star Trailer Use Only) | Tire Size ST235/85R16 Rim Size 16x6 Lugs 6 |
| Tire Pressure | PSI Max 110 PSI Applied 105 KPA Applied 724 |
| Tire Load Rating | 44000 lbs |
| Trailer Weight | 93000 lbs 4220 kg |
| GAWR | 10400 lbs 4717 kg |
| Tongue Weight | 1200 lbs 544 kg |
| Hitch (Ball) | 2- 5/16" Ball (58.7 mm) CLASS IV |
| Brakes (Electric on Both Axles) | 12V DC Brake Controller in Towing vehicle, such as NAPA P/N 89241 or a Tekonsha P/N 9055 |
| Breakaway System Battery | PRO Series 50-85-315 |
| Pigtail Plug (Us & Canada) | 7-Pole, RV-Style Trailer Connector , Standard Wire Color Coding |
| Trailer Light System | 12 V DC Powered by 12 V Engine Battery |
| VIN Plate Position | Left Trailer Tongue |
| Tire Pressure Decal | Inside Main Access Door |
| Engine Control Panel | MBW (Color) |

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