## **Engine (Nameplate Data)**

Manufacturer: Universal Motor Division,   
Medalist Industries, Oshkosh, Wisconsin

Model: Universal Atomic 4

Model # 5101 (was on Flywheel Cover Nameplate)

Serial # 193483 (was on Flywheel Cover Nameplate)

Serial # 295369 (on Engine)

Built Date: 05/03/74 (on Engine)

Engine Distributor Diagram.emfAtomic 4 Nameplate Expanded.emf

Figure 1: New Nameplate

Figure 2: Distributor Diagram

Type: 4 Cylinder Gasoline, Normally Aspirated, Late Model

Firing Order 1-2-4-3

Rating: 30 HP

Fuel Tank: 20 Gallons

Fuel Pump: Mechanical

Distributor: Delco (0.025” gap for points)

### Manuals and Instructions

* Universal Atomic 4 Operating Manual (Universal) – Early Model
* Universal Atomic-4 Service and Overhaul Manual, 1st Edition (Moyer Marine Inc.)
* Technical Instructions:
  + Mechanical Fuel Pump Rebuild Kit (MMI)
  + Oil Change Kit (MMI)
  + Carburetor Installation (MMI)
  + Instructions for 7/16” Repair Stud Installation (MMI)
  + Installing an MMI aftermarket single action thermostat on late model Atomic 4 engines (MMI)
  + Ignitor Instructions (MMI and Pertronix)
  + Temperature Sending Units Installation Instructions (ISSPRO)

### Starter Motor (Stamped)

Manufacturer: Delco Remy USA

Model # 1107578

### Alternator (Nameplate Data)

Manufacturer: Motorola Automotive

Model # MR12N451D

12 V N - GRD

Serial # 24449

35 AMP TYPE B

### Cooling Pump

Manufacturer: Obendorfer (Syracuse, NY)

Model # N202M

Type: Rubber (Neoprene) Impeller Pump

2 Hole Mounting Flange

3/8” Inlet and Outlet (with two 90 degree 3/8” MNPT to 5/8” Hose Barb connectors)

12 Gallons per Minute

### Miscellaneous

Breather Hose: 1” Outer Diameter  
Exhaust Hose Size: 1-1/2”