



Auxiliary Power Unit

FEATURES

- Hatz diesel engine block
- High pressure and flow hydraulic system
- High output electrical generator
- Cold start design
- Military tracked vehicle applications



The Auxiliary Power Unit (APU) is one of a series of complex systems that has been added to our library of Build to Specifications products. SSI's engineering and manufacturing disciplines have the experience in electronics, hydraulics, diesel engine technology, and mechanics to produce this highly complex product.

The Auxiliary Power Unit (APU) provides auxiliary hydraulic and electrical power to the Army's M-88 Hercules Recovery Vehicle. This is a support vehicle for the M1 Abrams Tank. The APU is installed in the M-88 engine compartment adjacent to the main engine.

The APU is manufactured in accordance with specifications provided by the US Army and BAE, the manufacturer of the M-88 Hercules Recovery Vehicle. The diesel engine block is purchased from Hatz Diesel. This engine, a two cylinder four-stroke model, is modified by SSI to meet the requirements specified for the M-88 Hercules application.

The manufacturing, assembly and test procedures were developed by SSI, along with a specialized APU test system. The bill-of-material for the APU contains 430 individual line items. SSI has been qualified to produce the APU units through a first article test program.

