

The Jeep Cherokee XJ is a "sport utility vehicle" with many mechanical, electrical, computer controlled systems. The XJ is designed for general transportation of people and cargo as well as adventures of off-roading and overlanding.

Battery

Alternator Power source: Chemical energy Output power: 3Ph AC

Electrical System:

Mechanical **Systems:**

Engine Pumps Steering Barings Brakes Fluids Gears Hoses **Transmission Belts** A/C Compressor

ECM

Contro¹ Diodes and voltage Syster Converts it to 12Vdc Fuel Inje

Anti-lock Brak **Cruise Control**



ECM 12Vdc ~16Amps

Radiator Fan

Battery 12Vdc ~150Amps



Radiator Fan 12Vdc ~3500RPM

> A MECHATRONIC **SYSTEM**

JEEP CHEROKEE XJ