

	POWER PLANT ENGINE		1.70.10	P 1
			SEQ 150	REV 15

GENERAL

The RR TRENT 500 engine is a high bypass ratio turbofan.

DESCRIPTION

– Low-pressure (LP) compressor / turbine

The low-speed rotor (N1) consists of single stage LP compressor (front fan) connected to a five stage LP turbine.

– Intermediate pressure compressor / turbine

The intermediate speed rotor (N2) consists of a eight-stage intermediate pressure compressor connected to a single-stage IP turbine.

– High-pressure (HP) compressor / turbine

The high-speed rotor (N3) consists of a six-stage HP compressor connected to a single-stage HP turbine.

– Combustion chamber

The annular combustion chamber is fitted with 20 fuel nozzles and 2 igniters.

– Accessory gearbox

The accessory gearbox, located at the bottom of the fan case, receives torque from horizontal HP rotor drive shaft and drives gearbox mounted accessories.

