

DATA SHEET
SPECIFICATIONS
**MODEL #5576
PERMANENT MAGNET
ALTERNATOR**
LOAD/SPEED CHARACTERISTICS

RPM	VOLTAGE	LOAD
5,630	34.0 VDC (MIN)	3.60 ADC (MIN)
11,261	123.0 VAC (MAX)	NO LOAD
11,261	SHORT CIRCUIT	4.90 AAC (MAX)

OVERSPEED: 13,513 RPM for 1 MINUTE

**WINDINGS:
ELECTRICAL** DUAL / REDUNDANT
3 PHASE WYE WINDINGS

COOLING: CONVECTION/CONDUCTION

AMBIENT: -65°F TO 350°F

ALTITUDE: 0 TO 50,000 FT

WEIGHT: ROTOR 0.65 LBS MAX
STATOR 2.50 LBS MAX

COMPLIANCE: MIL-STD-461B

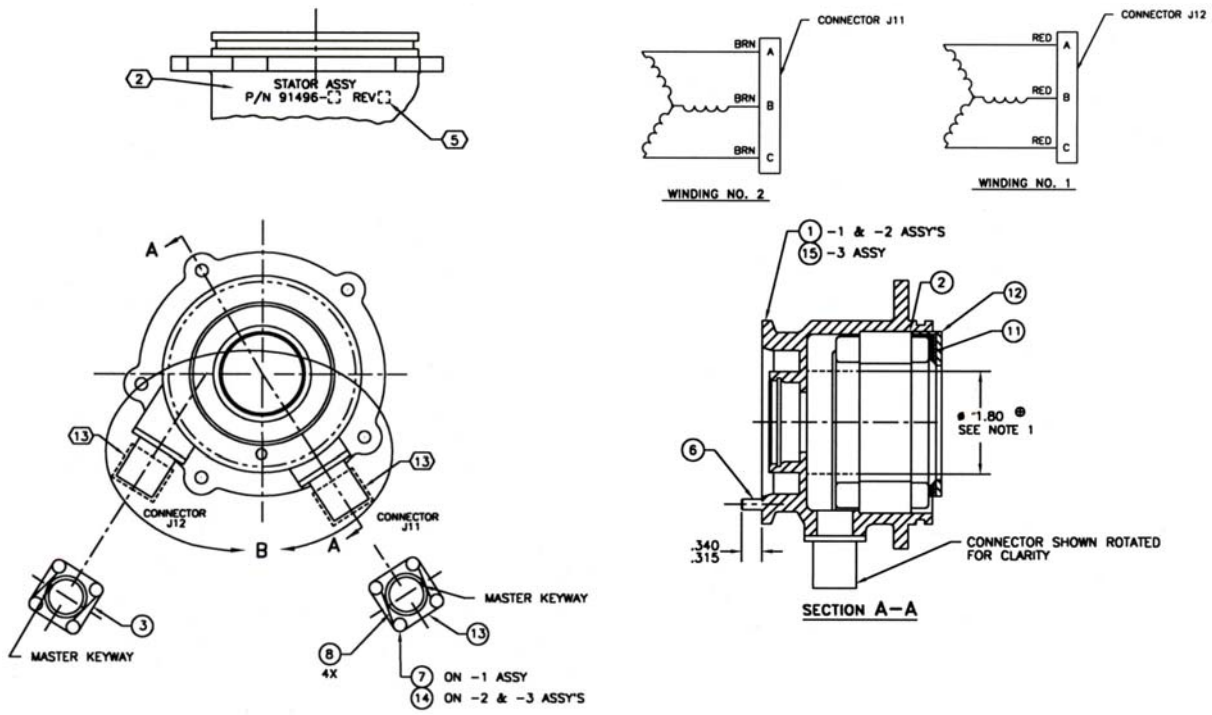

DESCRIPTION

Model 5576 provides electrical power for a FADEC system used on the PW306A, a Pratt & Whitney Canada commercial aircraft engine.

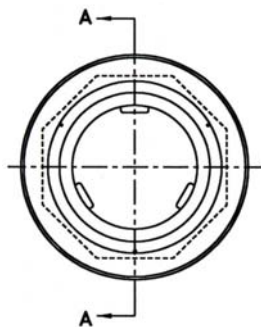
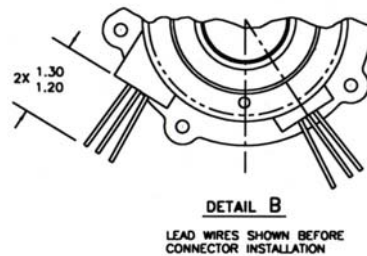
The rotor is a sleeved unit employing high energy magnets. The stator comprises epoxy-bonded laminations and dual three phase windings. A titanium housing locates the stator and interfaces with the mounting pad.

The alternator is gear driven from an engine accessory gear box.

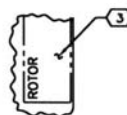
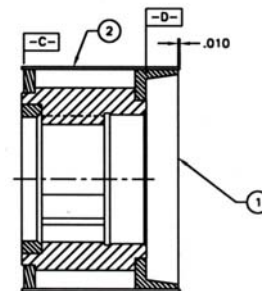
OUTLINE DETAILS



STATOR & HOUSING ASSEMBLY



ROTOR ASSEMBLY



MODEL 5576