DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION TYPE CERTIFICATE DATA SHEET NO. TE1CH	Rolls-Royce Corporation Revision 30	TE1CH April 22, 2016
	AE 2100A AE 2100C AE 2100D2 AE 2100D2A	AE 2100D3 AE 2100J AE 2100P

Engine models described herein conforming with this data sheet (which is part of Type Certificate No. TE1CH) and other approved data on file with the Federal Aviation Administration, meet the minimum standards for use in certified aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Federal Aviation Regulations provided they are installed, operated, and maintained as prescribed by the manufacturer's FAA approved manuals and other FAA approved instructions.

Type Certificate Holder: Rolls-Royce Corporation
450 South Meridian Street
Indianapolis, Indiana 46255-1103

Type Certificate Holder Record: TE1CH originally issued to Allison Division, General Motors Corporation - 23 Apr 1993
TE1CH reissued to Allison Engine Company - 1 Dec 1993
TE1CH reissued to Rolls-Royce Corporation - 1 Sept 2000

Models AE 2100A, AE 2100C, AE 2100D2, AE 2100D2A, AE 2100D3, AE 2100J and AE 2100P.

Type: Free turbine turboprop engine, modular design, 14 stage axial compressor, annular combustor, 2 stage gas generator turbine, 2 stage power turbine, front mounted propeller reduction gearbox, bottom mounted power section accessory gearbox, two single channel full authority digital electronic controls.

Model	AE 2100A		AE 2100C	
Ratings (see Note 1)	P/N 23053610	P/N 23060202	P/N 23057466	P/N 23060302
Takeoff (5 min,):				
Shaft Horsepower, SHP	4,152	- -	3,271	- -
Gas Generator Speed, rpm	15,030	- -	14,847	- -
Output Shaft Speed, rpm	1,100	- -	1,100	- -
Measured Gas Temperature °F	1,417	- -	1,365	- -
Maximum Continuous:				
Shaft Horsepower, SHP	3,738	- -	3,271	- -
Gas Generator Speed, rpm	14,873	- -	14,847	- -
Output Shaft Speed, rpm	1,100	- -	1,100	- -
Measured Gas Temperature, °F	1,371	- -	1,365	- -
Output Shaft Gear Ratio:	13.98:1	- -	13.98:1	- -
Propeller Mount:	Flange type	- -	- -	- -
Principal Dimensions of Basic Engine:				
Length (overall), in.	115.68	118.14	115.68	- -
Width (max), in.	31.40	32.84	31.40	31.92
Height (max), in.	49.62	52.92	49.62	52.72
C. G. location, dry				
• aft of prop flange, in.	52.36	54.04	52.36	51.92
• above engine center line, in.	2.15	2.50	2.15	2.40
Weight (dry), lb:	1,578	1,627	1,578	- -

"- -" indicates "same as previous model"

Model (cont'd)	AE 2100A		AE 2100C	
	P/N 23053610	P/N 23060202	P/N 23057466	P/N 23060302
Engine Control System: (major components)	Goodrich full authority digital electronic control (FADEC), qty 2. (Aircraft mounted)	- -	- -	- -
	Goodrich fuel pump & metering unit (FPMU)	- -	- -	- -
	Goodrich compressor variable geometry (CVG) actuator.	- -	- -	- -
Fuels:	Allowed Fuels are provided in the Operations Manual for each engine model. See Note 10 for applicable Operations Manual publication.			
Lubrication Oil:	Allowed Oils are provided in the Operations Manual for each engine model. See Note 10 for applicable Operations Manual publication.			
Certification Basis:	14 CFR Part 33 dated February 1, 1965, including Amendments 33-1 through 33-14 14 CFR Part 34, effective September 10,1990, including Amendments 34-1 through 34-3	- -	- - - -	- -
	Original application for Type Certificate dated February 15, 1990 amended July 20, 1992. Type certificate No. TE1CH, issued April 23, 1993.	Major design change approved April 15, 1994. (See Note 9)	Original application for Type Certificate dated June 15, 1992, amended July 20, 1992 and December 17, 1993. Type certification No. TE1CH amended December 20, 1993.	Major design change approved August 11, 1994. (See Note 9)
Production Basis:	Production Certificate No. 310, dated June 24, 1993.	- -	- -	- -

"- -" indicates "same as previous model"

Model	AE 2100D2	AE 2100D2A	AE 2100D3				AE 2100J	AE 2100P
Ratings (see Note 1)	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
Takeoff (5 min, see Note 1):								
Shaft Horsepower, SHP	4,637	-	-	-	-	-	4,591	4,152
Gas Generator Speed, rpm	15,284	-	-	- -	- -	-	15,176	15,030
Output Shaft Speed, rpm	1,020.7	-	-	-	-	-	1,020.7	1,100
Measured Gas Temperature °F	1,488	-	-	- -	- -	-	1,493	1,417
Maximum Continuous:								
Shaft Horsepower, SHP	4,637	-	-	-	-	-	4,591	3,738
Gas Generator Speed,	15,042	-	-	-	-	-	14,937	14,873
Output Shaft Speed, rpm	1,020.7	-	-	-	-	-	1,020.7	1,100
Measured Gas Temperature, °F	1,431	-	-	- -	- -	-	1,432	1,371
Output Shaft Gear Ratio:	13.98:1	-	-	-	-	-	- -	-
Propeller Mount:	-	-	-	-	-	-	- -	-
Principal Dimensions of Basic Engine:								
Length (overall), in.	116.99	-	124.12	124.12	124.12	124.12	118.14	-
Width (max), in.	31.80	-	28.71	28.71	28.71	28.71	32.84	-
Height (max), in.	52.53	-	46.33	46.33	46.33	46.33	52.92	-
C. G. location, dry								
• aft of prop flange, in.	53.72	-	59.66	59.66	59.66	59.66	54.04	-
• above engine center line, in.	2.48	-	2.97	2.97	2.97	2.97	2.50	- -
Weight (dry), lb:	1,776	-	1,740	1,740	1,740	1,740	1,666	1,627

	AE 2100D2	AE	AE 2100D3				AE 2100J	AE 2100P
	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
Engine Control System: (major components)	Goodrich full authority digital electronic control (FADEC), qty 2. (Aircraft mounted)	- -	- -	- -	- -	- -	- -	- -
	Goodrich fuel pump & metering unit (FPMU)	-	-	-	-	-	-	- -
	Goodrich compressor variable geometry (CVG) actuator.	- -	- -	- -	- -	- -	- -	- -
Fuels:	Allowed Fuels are provided in the Operations Manual for each engine model. See Note 10 for applicable Operations Manual publication.							
Lubrication Oil:	Allowed Oils are provided in the Operations Manual for each engine model. See Note 10 for applicable Operations Manual publication.							

"- -" indicates "same as previous model"

	AE 2100D2	AE 2100D2A	AE 2100D3				AE 2100J	AE 2100P
	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
Certification Basis:	14 CFR Part 33, Effective February 1,1965, including Amendments 33-1 through 33-15 14 CFR Part 34, effective September 10, 1990 including Amendments 34-1 through 34-3.	- - - -	- - - -	- -	- -	- -	- - - -	14 CFR Part 33 dated February 1, 1965, including Amendments 33-1 through 33-14 14 CFR Part 34, effective September 10,1990, including Amendments 34-1 through 34-3
	Original application for type Certificate dated May 22, 1998. Type certificate No. TE1CH amended March 31, 2001.	Original application for Type Certificate dated August 22, 2006. Type Certificate No. TE1CH amended December 15, 2006.	Original application for type Certificate dated September 15, 1994 amended under Allison letter 96-AY-094. Type certificate No. TE1CH amended March 31, 1997.	- -	- -	- -	Original application for type Certificate dated May 22, 1998. Type certificate No. TE1CH amended July 12, 2000.	Original application for Type Certificate dated August 22, 2006. Type Certificate No. TE1CH amended May 1, 2007.
Production Basis:	Production Certificate No. 310, dated June 24, 1993.	- -	- -	- -	- -	- -	- -	- -

NOTE 1 - Ratings Basis
Engine ratings are based on:

- Sea level static, 29.92" Hg, (ISA +39°F for AE 2100A and AE 2100P), (ISA +54°F for AE 2100C), (ISA +44°F for AE 2100D2, AE 2100D2A , AE 2100D3 and AE 2100J).
- Flat rated to 98°F (AE 2100A and AE 2100P), 113°F (AE 2100C), 103°F (AE 2100D2, AE 2100D2A, AE 2100D3 and AE 2100J), compressor inlet temperature.
- 100% inlet pressure recovery.
- Exhaust nozzle area (A9) of: AE 2100A and AE 2100P = 220 in^2, AE 2100C= 220 in^2, AE 2100D2, AE 2100D2A, AE 2100D3 and AE 2100J= 235 in^2.
- Zero relative humidity.
- No inlet air distortion.
- No customer bleed extraction.
- No external power extraction.
- Fuel having an LHV of 18400 Btu/lb (AE 2100A and AE 2100P), 18550 Btu/lb (AE 2100C), 18300 Btu/lb (AE 2100D3), and 18400 Btu/lb (AE 2100D2, AE 2100D2A, and AE 2100J) otherwise conforming to fuels specified for use with this engine.
- Oil conforming to MIL-PRF-23699.
- Minimum Specification Engine (100%)

"- -" indicates "same as previous model"

NOTE 2 – Temperature Limits

Model:	AE 2100A		AE 2100C	
	P/N 23053610	P/N 23060202	P/N 23057466	P/N 23060302
Temperature Limits:				
Measured Gas Temp. (same as T4.5 and ITT)				
Takeoff (5 minutes)	1566°F	- -	1528°F	- -
Max. Continuous	1532°F	- -	1528°F	- -
Starting	1500°F	- -	- -	- -
Oil Inlet Temperature:				
Max. Steady State	185°F	190°F	185°F	- -
Max. Transient (5 min.)	200°F	- -	- -	- -
Minimum	-40°F or -65°F - Set by oil selection. See Note 10 for the applicable Operations Manual and approved oils.			
Maximum External Component Temperatures	The maximum component operating temperatures are listed in the engine Installation Design Manuals. See Note 10 for applicable Installation Design Manual publication.			
Fuel Pump Inlet Temp:				
Minimum	-65°F or that temperature corresponding to 12 centistokes (Cs) fuel viscosity, whichever is higher.			
Maximum steady state	135°F	- -	- -	- -

Model	AE 2100D2	AE 2100D2A	AE 2100D3				AE 2100J	AE 2100P
	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
Temperature Limits:								
Measured Gas Temp. (same as T4.5 and ITT)								
Takeoff (5 minutes)	1566°F	- -	- -	- -	- -	- -	- -	- -
Max. Continuous	1532°F	- -	- -	- -	- -	- -	- -	- -
Starting	- -	- -	- -	- -	- -	- -	- -	- -
Oil Inlet Temperature:								
Max. Steady State	185°F	- -	- -	- -	- -	- -	- -	190°F
Max. Transient (5 min.)	200°F	- -	- -	- -	- -	- -	- -	- -
Minimum	-40°F or -65°F - Set by oil selection. See Note 10 for the applicable Operations Manual and approved oils.							
Maximum External Component Temperatures	The maximum component operating temperatures are listed in the engine Installation Design Manuals. See Note 10 for applicable Installation Design Manual publication.							
Fuel Pump Inlet Temp:								
Minimum	-65°F or that temperature corresponding to 12 centistokes (Cs) fuel viscosity, whichever is higher.							
Maximum steady state	135°F	- -	- -	- -	- -	- -	- -	- -

"- -" indicates "same as previous model"

NOTE 3 – Speed Limits

Model	AE 2100A		AE 2100C	
	P/N 23053610	P/N 23060202	P/N 23057466	P/N 23060302
Max Permissible Speeds:				
Gas Generator:				
Steady State, rpm	15,715	- -	15,404	- -
Transient, rpm	15,872	- -	15,558	- -
Power Turbine:				
Steady State, rpm	15,375	- -	- -	- -
Transient, rpm	16,298	- -	- -	- -
Prop Shaft:				
Steady State, rpm	1,100	- -	- -	- -
Transient, rpm	1,166	- -	- -	- -

Model	AE 2100D2	AE 2100D2A	AE 2100D3				AE 2100J	AE 2100P
	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
Max Permissible Speeds:								
Gas Generator:								
Steady State, rpm	15,715	- -	- -	- -	- -	- -	- -	- -
Transient, rpm	15,872	- -	- -	- -	- -	- -	- -	- -
Power Turbine:								
Steady State, rpm	14,267	- -	- -	- -	- -	- -	- -	15,375
Transient, rpm	16,298	- -	- -	- -	- -	- -	- -	- -
Prop Shaft:								
Steady State, rpm	1,020.7	- -	- -	- -	- -	- -	- -	1,100
Transient, rpm	1,166	- -	- -	- -	- -	- -	- -	- -

NOTE 4 – Torque Limits

Model	AE 2100A		AE 2100C	
	P/N 23053610	P/N 23060202	P/N 23057466	P/N 23060302
Maximum Permissible Engine Shaft Torque:				
Transient, ft lb	1,710	- -	- -	- -
Takeoff (5 min), ft lb	1,470	- -	1,168	- -
Max. Continuous, ft lb	1,328	- -	1,168	- -

Model	AE 2100D2	AE 2100D2A	AE 2100D3				AE 2100J	AE 2100P
	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
Maximum Permissible Engine Shaft Torque:								
Transient, ft lb	1,933	- -	- -	- -	- -	- -	- -	1,710
Takeoff (5 min), ft lb	1,732	- -	- -	- -	- -	- -	- -	1,470
Max. Continuous, ft lb	1,732	- -	- -	- -	- -	- -	- -	1,328

"- -" indicates "same as previous model"

NOTE 5 – Oil/Fuel Limits

Model	AE 2100A		AE 2100C	
	P/N 23053610	P/N 23060202	P/N 23057466	P/N 23060302
Pressure Limits:				
Oil Pressure Limits:				
Power Section (max), psig	80	90[a]	80	- -
Power Section (min), psig	40	- -	- -	- -
Prop gearbox (max), psig	210[b]	- -	- -	- -
Prop gearbox (min), psig	25	20	25	- -
Fuel Pump Inlet Pressure:				
Minimum	Fuel true vapor pressure (TVP) plus 3 psi.	For Jet-A fuel true vapor pressure (TVP) plus 3 psi. For Jet-B fuel true vapor pressure (TVP) plus 11.4 psi	Fuel true vapor pressure (TVP) plus 3 psi .	- -
Maximum, psig	52	- -	- -	- -

Note a.) Power section oil pressure is 90 psig if Service Bulletin AE 2100A-79-045 has been complied with, otherwise limit remains at 80 psig.
Note b.) Power section and gearbox pressures may reach 250 psig for up to 2.5 minutes during initial starting and warm-up.

Model	AE 2100D2	AE 2100D2A	AE 2100D3				AE 2100J	AE 2100P
	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
Pressure Limits:								
Oil Pressure Limits:								
Power Section (max), psig	90	- -	- -	- -	- -	- -	- -	- -
Power Section (min), psig	40	- -	- -	- -	- -	- -	- -	- -
Prop gearbox (max), psig	210[b]	- -	- -	- -	- -	- -	- -	- -
Prop gearbox (min), psig	15	- -	- -	- -	- -	- -	- -	- -
Fuel Pump Inlet Pressure:								
Minimum	For Jet-A fuel true vapor pressure (TVP) plus 3 psi. For Jet-B fuel true vapor pressure (TVP) plus 11.4 psi	- -	- -	- -	- -	- -	- -	- -
Maximum, psig	55	- -	52	52	52	52	- -	- -

NOTE 6 - Accessory Drive Provisions

Model	AE 2100A and AE 2100C (All)				
Accessory	Direction of Rotation	Speed ratio	Max torque cont. (in. lb)	Max torque static (in. lb)	Max overhung moment (in. lb)

Power Section Accessory Gearbox

Starter	CW	1.0000	1080	3240	80

Gearbox Mounted Accessory Drive Gearbox

Generator	CW	1.1258	373	2100	250
Pitch Control Unit	No drive provided (mounted pad only)	N/A	N/A	N/A	100
Prop oil pump	CCW	0.3506	120	500	40
Hydraulic pump	CW	0.5942	125	450	100

"- -" indicates "same as previous model"

NOTE 6 - Accessory Drive Provisions (Con't)

Oil Tank TE1CH

Feather pump (Aircraft supplied)	No drive provided (mount pad only)	N/A	N/A	N/A	19

Model	AE 2100D2 and AE 2100D2A				
Accessory	Direction of rotation	Speed ratio	Max torque cont. (in. lb)	Max torque static (in. lb)	Max overhung moment (in. lb)
Power Section Accessory Gearbox					
Starter	CW	1.0000	1080	3240	101
Gearbox Mounted Accessory Drive Gearbox					
Generator	CW	0.8432	815	3000	600
Pitch Control Unit	No drive provided (mounted pad only)	N/A	N/A	N/A	138
Prop oil pump	CCW	0.3833	83	1000	40
Hydraulic pump	CW	0.2571	1500	4400	43

Model	AE 2100D3 (All)				
Accessory	Direction of rotation	Speed ratio	Max torque cont. (in. lb)	Max torque static (in. lb)	Max overhung moment (in. lb)
Power Section Accessory Gearbox					
Starter	CW	1.0000	1080	3240	101
Gearbox Mounted Accessory Drive Gearbox					
Generator	CW	0.8432	815	3000	600
Pitch Control Unit	No drive provided (mounted pad only)	N/A	N/A	N/A	138
Prop oil pump	CCW	0.3833	83	1000	40
Hydraulic pump	CW	0.2571	1500	4400	43

Model	AE 2100J				
Accessory	Direction of rotation	Speed ratio	Max torque cont. (in. lb)	Max torque static (in. lb)	Max overhung moment (in. lb)
Power Section Accessory Gearbox					
Starter	CW	1.0000	1080	3240	101
Gearbox Mounted Accessory Drive Gearbox					
Generator	CW	0.8432	529	3000	600
Pitch Control Unit	No drive provided (mounted pad only)	N/A	N/A	N/A	138
Prop oil pump	CCW	0.3833	83	1000	40
Hydraulic pump	CW	0.2571	344	4400	40

"- -" indicates "same as previous model"

NOTE 6 - Accessory Drive Provisions (Con't)

Model	AE 2100P				
Accessory	Direction of rotation	Speed ratio	Max torque cont. (in. lb)	Max torque static (in. lb)	Max overhung moment (in. lb)
Power Section Accessory Gearbox					
Starter	CW	1.0000	1080	3240	80
Gearbox Mounted Accessory Drive Gearbox					
Generator	CW	1.1258	373	2100	250
Pitch Control Unit	No drive provided (mounted pad only)	N/A	N/A	N/A	100
Prop oil pump	CCW	0.3506	120	500	40
Hydraulic pump	CW	0.5942	125	450	100
Oil Tank					
Feather pump (Aircraft supplied)	No drive provided (mount pad only)	N/A	N/A	N/A	19

NOTE 7 – Customer Bleed (maximum as a percentage of the total engine inlet airflow)

Model	AE 2100A		AE 2100C	
	P/N 23053610	P/N 23060202	P/N 23057466	P/N 23060302
8th stage, %	3.7	N/A	3.7	N/A
10th stage, %	N/A	4.75	N/A	4.75
14th stage, %	8.0	9.2	8.0	9.2

Model	AE 2100D2	AE 2100D2A	AE 2100D3				AE 2100J	AE 2100P
	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
8th stage, %	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10th stage, %	8.0	- -	- -	- -	- -	- -	- -	4.75
14th stage, %	15.0	- -	- -	- -	- -	- -	- -	9.2

"- -" indicates "same as previous model"

NOTE 8 - Approved Propellers

Propellers to be used with this engine must have mounting provisions and functioning characteristics which are compatible with the engine and its control system. The AE 2100A, AE 2100C, AE 2100D2, AE 2100D2A, AE 2100D3, AE 2100J and AE 2100P engines and control systems have been designed and tested to be compatible with the propellers models as noted:

Model	AE 2100A		AE 2100C	
	P/N 23053610	P/N 23060202	P/N 23057466	P/N 23060302
	Dowty R381	- -	Dowty R384	- -

Model	AE 2100D2	AE 2100D2A	AE 2100D3				AE 2100J	AE 2100P
	P/N 23070302	P/N 23085027	P/N 23054062	P/N 23090635	P/N 23091820	P/N 23091822	P/N 23070202	P/N 23086499
	Dowty R391	- -	- -	- -	- -	- -	Dowty R414	Dowty R381

The propeller models noted above are controlled by an integrated control system which is a part of the corresponding engine type design. The propeller models noted, comply with the propeller airworthiness requirements when used with the corresponding engine only. Any change to the engine, including its control system, which affects, or may affect, the propeller approval must be substantiated to demonstrate that the propeller as integrated with the changed engine, including its control system, still complies with the propeller certification basis. Also, any change to the engine, resulting from a change to the propeller, must be substantiated to demonstrate that the changed engine still complies with the engine certification basis.

The engine-propeller installation must be approved as a part of aircraft type certification.

NOTE 9 – Engine Model Description

The AE 2100 engines are based on the T406-AD-400 core engine from the Navy V-22 Osprey tilt rotor aircraft.

AE 2100A, P/N 23053610 (Base Model): Basic model; has bleed air off-take from the 8th and 14th stages.

AE 2100A, P/N 23060202: Same as AE 2100A, P/N 23053610 , except for having bleed air off-take from the 10th and 14th compressor stages, different engine control software. AE 2100A engines P/N 23053610, are eligible to be converted to engine P/N 23060202, via Service Bulletin No. AE 2100A-72-037.

AE 2100C, P/N 23057466: Similar to the AE 2100A engine (P/N 23053610); rated at a maximum power of 3,271 shp.

AE 2100C, P/N 23060302: Similar to the AE 2100A engine (P/N 23060202); incorporates bleed air off-take from the 10th and 14th compressor stages. The AE 2100C engine P/N 23060302 is a variant of engine P/N 23057466 and is also rated at a maximum power of 3271 shp.

AE 2100D3, P/N 23054062: Similar to the AE 2100A engine (P/N 23060202); rated at a maximum power of 4637 shp. Oil Tank is aircraft supplied.

AE 2100D3, P/N 23090635: Same as the AE 2100D3 engine P/N 23054062, except the engine is configured with a 60/90 kVA generator.

AE 2100D3, P/N 23091820: Same as the AE 2100D3 engine P/N 23054062, except the engine is configured with a propeller Wind Gust Brake unit on the GMAD.

AE 2100D3, P/N 23091822: Same as the AE 2100D3 engine P/N 23054062, except the engine is configured with a 60/90 kVA generator and a propeller Wind Gust Brake unit on the GMAD.

AE 2100D2, P/N 23070302: Similar to the AE 2100D3 (P/N 23054062) with the exception of a shorter torquemeter, propeller gearbox connecting struts and the addition of the AE 2100A oil tank. The AE 2100D2 also includes a gearbox mounted oil accumulator. The AE 2100D2 has similar ratings and limitations as the AE 2100D3 engine.

AE 2100D2A, P/N 23085027: Same as the AE 2100D2 (P/N 23070302) with the exception incorporating Service bulletins AE 2100D2-72-070 and -071. The AE 2100D2A has identical ratings and limitations as the AE 2100D2 engine.

AE 2100J, P/N 23070202: Similar to the AE 2100D3 (P/N 23054062) with the exception of a shorter torquemeter and propeller gearbox connecting struts. The AE 2100J has similar ratings and limitations as the AE 2100D3 engine. Oil Tank is aircraft supplied.

"- -" indicates "same as previous model"

NOTE 9 – Engine Model Description (Con't)

AE 2100P, P/N 23086499: Same as the AE 2100A engine (P/N 23060202). The AE 2100P model, at the time of certification (May 1, 2007), is the exact equivalent of the AE 2100A model. Any AE 2100A Service Bulletins prior to May 1, 2007 can be applied to the AE 2100P model. Any Service Bulletin created after this date for the AE 2100P will be identified as an AE 2100P Service Bulletin. Any 'pre' May 1, 2007 original issue AE 2100A Service bulletins that are revised after May 1, 2007 and are intended for use on the AE 2100P, will be identified as a 'stand-alone' AE 2100P Service Bulletin.

Initial production AE 2100A engines S/N's CAE 510001 through CAE 510034, and AE 2100C engines S/N's CAE 530001 and CAE 530002, are identified as GMA 2100A and GMA 2100C respectively and are different in model prefix only. The manufacturer of initial production AE 2100A engines CAE 510001 through CAE 510038, and AE 2100C engines CAE 530001 and CAE 530002, as identified on the engine data plates, is Allison Gas Turbine Division of General Motors. Subsequent engines have been manufactured by Allison Engine Company or Rolls-Royce Corporation. The three manufacturers are different in name only.

NOTE 10 - Approved Manuals

These documents, in combination with the limits declared by this TCDS, constitute the only approved method of installing and operating the engine.

Mandatory replacement times (life limits) established for critical components and mandatory airworthiness inspections for the AE 2100A, AE 2100C, AE 2100D2, AE 2100D2A, AE 2100D3, and AE 2100J engines are published in the listed Engine Maintenance Manuals:

	AE 2100A	AE 2100C	AE 2100D2	AE 2100D2A	AE 2100D3	AE 2100D3 (60/90 kVA)	AE 2100D3 (WGB)	AE 2100D3 (60/90 kVA, WGB)	AE 2100J	AE 2100P
Installation Design Manual	CSP34006	CSP34031	CSP34069	CSP34069	CSP34040	CSP34040	CSP34040	CSP34040	CSP34068	CSP 34110
Engine Operation Manual	CSP30000	CSP30006	CSP30014	CSP30014	CSP30004	CSP30004	CSP30004	CSP30004	CSP30009	CSP 30018
Engine Maintenance Manual	CSP 31005	CSP 31003	CSP 34081	CSP 34081	CSP 31004	CSP 31004	CSP 31004	CSP 31004	CSP 34082	CSP 31015
Parts List	PL 3667	PL 3666	PL 3695	PL 10006	PL 3670	PL 10055	PL 10068	PL 10069	PL 3693	PL 10014

...END...

"- -" indicates "same as previous model"