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## EASA PART 145 CAPABILITY MANUAL

EASA Part 145 Approval No. EASA.UK.145.00530

CONTROLLED COPY

**1**

Quality Office / NEL Server - Master (Controlled Copy)

NEL/CAP/LISTING 3

Issue 2 – Date 03-November-2021



### FOREWORD

This manual has been developed in conjunction with and supplementary to the NORDAM Europe Ltd. (NEL) EASA Maintenance Organisation Exposition (MOE), ref. NEL/EXP/3.  
 It is the sole definitive document for detailing the capabilities of NEL and should be read in conjunction with the scope as defined in Section 1.9 (Scope of Work) of the MOE.  
 The Quality Manager is responsible for the control of this manual and ensuring that no work is contracted for maintenance at NEL until qualified.  
 It is understood that no maintenance will be carried out and released in contravention of EASA Part 145.A.70, 145.A.75, 145.A.80.  
 This manual represents EASA Part 145 approval maintenance capability only.

### REVISION RECORD

Issue No.	Revision Date	
01	31-Mar-2021	Initial release of this EASA part 145 capability manual, compiled from the previous UKCAA approved version (NEL/CAP/LISTING/1) Issue 37- dated 01 Oct 2020
02	03-Nov-2021	Current Revision

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**PART 145 MAINTENANCE, CAPABILITIES**

Power-plant/Nacelle and Airframe as listed specify the extent of NEL ratings & capabilities.

**POWERPLANT/NACELLE CAPABILITY - C7 RATING (ENGINE – APU).**

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<b>Bombardier Aircraft Series Engines</b>		
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<b>Boeing Aircraft (Component maintenance carried out to AMM)</b>		
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<b>Boeing Aircraft (On Wing Nacelles Inspection)</b>		
Boeing 777 Aircraft fitted with GE90 Engines	22	02, 03-Nov-21

## AIRFRAME CAPABILITY

C20 Rating (Structures)	page(s)	Issue, Date
Boeing B747 Series components	23	02, 03-Nov-21
Boeing B767 Series components	23	02, 03-Nov-21
Boeing B777 Series components	23	02, 03-Nov-21

## SUMMARY OF CHANGES/AMENDMENTS

The following summarises the most recent amendments to the NEL Capability Manual:

Pages	Title	Component / Unit Description	Amendment Description
8	GE90-85B Series	Primary Exhaust Nozzle	New Addition to Capability
20	RB211-535E4 Series	Thrust Reverser- C-Duct Neutral Assemblies	Additional entries to existing thrust reverser capability
7	CF6-80C2 Series	Thrust Reverser Cascade Vanes	Additional entries to existing thrust reverser capability
14	V2500 Series	Thrust Reverser Wire Harness	Additional entries to existing thrust reverser capability
7	GE90-85B Series	Fan Cowl Door Static pressure Tube	Additional entry to existing Fan Cowl Door capability
20	RB211-535E4 Series	Thrust Reverser Slider	Additional entries to existing thrust reverser capability
21	Trent-700 Series	Exhaust Common Nozzle Assy	Additional PN entry to existing exhaust nozzle capability
6	CF6-80C2 / 80E1 Series	Core Cowl Doors	Clarification on the configuration of different PN's & CMM references covering all a/c types from the previous entries.

## Part 145 ORGANISATIONS APPROVAL CLASS AND RATING SYSTEM †

Class	Rating	ATA Chapters
Components other than Complete Engines or APUs	C1, Air Cond and Press	21
	C2, Auto Flight	22
	C3, Comms and Nav	23 & 34
	C4, Doors/Hatches	52
	C5, Electrical Power	24 & 33
	C6, Equipment	25, 38 & 45
	<b>C7, Engine - APU</b> *	49, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82 & 83
	C8, Flight Controls	27, 51.05, 55, 57.40, 57.50, 57.60 & 57.70
	C9, Fuel - Airframe	28
	C10, Helicopters - Rotors	62, 64, 66 & 67
	C11, Helicopters - Trans	63 & 65
	C12, Hydraulic	29
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	C15, Oxygen	35
	C16, Propellers	61
	C17, Pneumatic	36 & 37
	C18, Protection Ice/Rain/Fire	26 & 30
	C19, Windows	56
<b>C20, Structural</b> *	53, 54, 57.10, 57.20 & 57.30, 57.41	

† Reference to EASA AMC 145.A.20 Terms of Approval.

\* Ratings currently held by NEL.



## **DISTRIBUTION LIST**

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**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
GE Aviation / MRAS / ST Engineering  
CF6-80 Series covering -80A1, -80A3, -80C2, -80E1**

No.	ATA Ref.	Component/Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-00-15	Inlet Cowl (CF6-80 C2)	224-2101-523 224-1101-xxx	✓	✓	✓	✓
02	71-11-09	Inlet Cowl (CF6-80 E1)	277-1100-xxx	✓	✓	✓	✓
03	71-00-15	Inlet Cowl Acoustic Panel	224-2123-xxx (80C2)	✓	✓	✓	✓
04	71-11-04	Fan Cowl Door Assembly (CF6-80 A1)	314T1329-2	✓	✓	✓	✓
05	71-13-22	Fan Cowl Door Assembly (CF6-80 C2)	224-2202-xxx 224-2281-xxx		✓	✓	✓
06	71-13-05 71-13-06	Fan Cowl L/H/R/H (CF6-80 E1)	277-1201-xxx 277-1202-xxx	✓	✓	✓	✓
07	71-13-26	RH Eng. Aft Cowl Door (80E1) (A330)	224-2302-543, 224-2302-549	✓	✓	✓	✓
08	71-13-25	LH Eng. Aft Cowl Door (80E1) (A330)	224-2301-519, 224-2301-525	✓	✓	✓	✓
09	71-13-24	RH Eng. Aft Cowl Door (80C2) (B747/767)	224-2302- 517/521/523/525/527/529/531 /537/539/545	✓	✓	✓	✓
10	71-13-23	LH Eng. Aft Cowl Door (80C2) (B747/767)	224-2301-513, 224-2301-521	✓	✓	✓	✓
11	71-13-14	RH Eng. Aft Cowl Door (80C2) (A300/A310)	224-2302- 503/509/519/533/541/547	✓	✓	✓	✓
12	71-13-13	LH Eng. Aft Cowl Door (80C2) (A300/A310)	224-2301- 503/509/515/517/523	✓	✓	✓	✓
13	78-32-31	Fan Reverser (CF6-80 A1)	9248M80Gxx	✓	✓	✓	✓
14	78-32-00	Fan Reverser (CF6-80 C2)	683L136Gxx 491B1200201-xxx 491B1100000-xxx 681L269Gxx 491C1100000-xxx 681L270G08, 683L137Gxx 681L271Gxx, 681L272Gxx 683L295Gxx, 683L296Gxx 683L297Gxx, 683L298Gxx	✓	✓	✓	✓
15	78-32-00	Fan Reverser (CF6-80 E1)	683L269Gxx, 683L247Gxx 683L248Gxx, 683L270Gxx, 683L249Gxx, 683L250Gxx	✓	✓	✓	✓
16	71-50-08	T/R Wire Harness (CF6-80 E1)	277W2762-503 277W2763-503		✓		✓
17	78-32-00 78-32-21	Pre-Cooler Assembly Air Duct (CF6-80 C2, E1)	491C/E1343003-xxx 491B1343002-xxx 3114M99GXX	✓	✓	✓	✓
18	78-32-31 78-32-32 78-32-01	Translating Sleeve (CF6-80 A1, C2, E1)	491B1613000-xxx 9235M80Gxx 7065M93Gxx D52B1000-xx KD683L271Gxx	✓	✓	✓	✓
19	78-11-00	Aft Centre Body (80 E1) Exhaust Nozzle (80 E1) (Subcontract to NRD)	1806M83G01 1806M85G01		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
GE Aviation / MRAS / ST Engineering**  
CF6-80 Series covering -80A1, -80A3, -80C2, -80E1 (Cont.)

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
16	78-32-00	T/R Latch Assembly (80C2)	491B1213077-009	✓	✓	✓	✓
17	78-32-00	Blocker Door (80A1/C2/E1)	1291M28Gxx 9333M43Gxx 9189M52Gxx	✓	✓	✓	✓
18	78-11-14 78-11-15	Exhaust Plug/Nozzle (80C2)	314U2100-xx, 015U1547-xx 314U2200-xx		✓	✓	✓
19	78-32-22	Upper Sidewall Panel (80C2)	491C1362000-020	✓	✓	✓	✓
20	78-32-31	Blocker Door Hinges LH/RH (80E1)	D52B2500-5 & D52B2500-6	✓	✓	✓	✓
21	71-11-09	Inlet Cowl Pressure Relief Door (E1)	277-1132-501	✓	✓	✓	✓
22	78-32-11	T/Rev Electrical Cable	7116M20Gxx, 7116M21Gxx		✓		
23	78-32-22	T/Rev Access Door	491B1220002-029	✓	✓	✓	✓
24	78-32-22	T/R Latch Beam Assembly	491B1351001-030	✓	✓	✓	✓
25	78-32-21	Link Arm Assembly (B/Door)	1378M17G01	✓	✓	✓	✓
26	71-11-09	Inner Barrel Acoustic Panel (E1)	277-1121-xxx		✓	✓	✓
27	72-22-00	Fan Case Liner Segment (E1)	1521M30Gxx, 1521M40Gxx		✓	✓	✓
28	71-11-16	Inlet Cowl Anti Ice Panel	224-2160-501	✓	✓	✓	✓
29	78-32-02	Hold Open Rod Outer Strut (E1)	491B1200066-009		✓		✓
30	CMM 71-11-09	Forward Bulkhead & Splice's (Local Manufacture)	277-1112-533, 277-1112-543, 277-1112-545		✓		✓
31	78-32-00	Thrust Reverser Cascade/Deflector Vaness (Straight/ Curved /Strong Back/ Blank)	491B1200050-xxx 491C1200050-xxx 9333M58/M83/M85/M87Pxx 1378M58Pxx 1313M61/M63Pxx 491B1211000-009	✓	✓	✓	✓

**GE Aviation**

Genx 2B Series engines (Boeing 747-8)

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
1	Boeing CMM 71-11-80	Fan Cowl Door	314U8201-xx		✓	✓	✓
2	Boeing CMM 71-11-81 B747-8 SRM 54-10-01	Inlet Cowl	314U8100-6		✓		✓
3	Boeing CMM 71-11-80	Fan Cowl Door Static Pressure Tube	314U8280-10		✓		

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
GE Aviation**

GE90-77/85/90/110 Series (Boeing 777)

No.	ATA Ref.	Component/Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	72-24-04	Forward Outer Acoustic Liner	1651M80G05	✓	✓	✓	✓
02	72-24-00	Aft Outer Acoustic Panel	1651M90G01	✓	✓	✓	✓
03	72-24-00	Fan Case	1844M95G03		✓		✓
04	72-24-02	Aft Fan case	1841M38G01, G02, G03, G04 & G05	✓	✓	✓	✓
05	72-24-00	Fwd Fan Case	1841M70Gxx, 2003M58Gxx, 2004M90Gxx, 1844M95Gxx, (All dash numbers)	✓	✓	✓	✓
06	72-00-00-12	Acoustic Panel	2004M20G01 & G02		✓	✓	✓
07	72-56-00	Engine LPT Case	1893M10G01		✓		✓
08	Boeing CMM 71-11-03 71-11-23	Inlet Cowl	314W1100-xxxx 314W1080-xxx		✓		✓
09	Boeing CMM 78-31-80 78-31-84	Thrust Reverser	315W1001-xxxxxx 315W1295-xxxxx		✓		✓
10	Boeing CMM 78-31-80 78-31-84	Translating Sleeve	315W1500-1 315W1580-13		✓		✓
11	Boeing CMM 71-11-36 71-11-24	Fan Cowl Door L/R	314W1200-xxx 314W1085-xxx		✓		✓
12	GE EM 78-13-00	Primary Exhaust Nozzle	1987M78G01 1987M78G02 1987M78G03 2204M50G01 2204M50G02 300-8100-511 300-8100-513		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair





**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,**

**GE Aviation**  
GE90-115 Series (Boeing 777)

No.	ATA Ref.	Component/Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	GE CMM 72-24-00	Fan Containment Case	2082M29Gxx 2082M31Gxx		✓		✓
02	Boeing CMM 71-11-23	Inlet Cowl (115B)	314W1400-xxx		✓		✓
03	Boeing CMM 78-31-90	Thrust Reverser (115B)	315W1055-xx 315W1550-x 315W1638-x 315W1660-x 315W1678-x 315W1810-xx 315W1298-xx		✓		✓
04	Boeing CMM 78-31-90	Translating Sleeve (115B)	315W1580-14		✓		✓
05	Boeing CMM 71-11-30 71-11-24	Fan Cowl Door L/R (115B)	314W1500-xx 314W1086-xx		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
General Electric/CFM International  
CFM56-3/3A Series**

No.	ATA Ref.	Component/Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-13-27	Inlet Cowl	314A1010-2	✓	✓	✓	✓
02	78-11-13	Turbine Exhaust Plug	314A1501-18	✓	✓	✓	✓
03	78-11-23	Exhaust Sleeve	314A1502-58	✓	✓	✓	✓
04	78-31-13	Thrust Rev/C-Duct	315A1701-xxx	✓	✓	✓	✓
05	78-31-13	Thrust Rev/C-Duct	315A1001-xxxx	✓	✓	✓	✓
06	78-31-23	Translating Sleeve	315A1500-xx	✓	✓	✓	✓
07	78-31-23	Drag Link Assembly	315A1511-1	✓	✓	✓	✓
08	78-31-13	Deflector Vane	315A1535-x	✓	✓	✓	✓
09	78-31-13	Cascade Vane	S315A102-xxx	✓	✓	✓	✓
10	72-23-02	Fan Case Liner Repair	335-019-298-6		✓		✓
11	78-31-13	T/Rev Locking/Unlocking Actuators	315A1801-19, 315A1800-4 GVI and functional test on fitment to reverser only (No testing capability)		✓		
12	78-31-13	T/Rev Synchro Lock	TY1878-22 GVI and functional test on fitment to reverser only. (No testing capability)		✓		
13	71-13-26	Fan Cowl Assembly	314A1110-xxx 301A1054-xx	✓	✓	✓	✓
14	71-13-26	Fan Cowl Door Hold Open Rod	A3295-2		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
General Electric/Snecma/CFM International**  
CFM56-5A Series – (Customer to supply OEM tech data for Part 145 maintenance activity)

No.	ATA Ref.	Component/Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-11-07	Inlet Cowl - Gen. 01	238-0101-501	✓	✓	✓	✓
02	71-11-07	Acoustic Panel - Gen. 01	238-0114-505	✓	✓	✓	✓
03	71-11-07	Inlet Cowl - Gen. 02	238-2101-501	✓	✓	✓	✓
04	71-11-07	Acoustic Panel - Gen. 02	238-2159-xxx	✓	✓	✓	✓
05	72-23-00	Fwd Acoustic Panel Assembly	336-030-105-0		✓		✓
06	72-23-00	Mid Acoustic Panel Assembly	336-030-404-0		✓		✓
07	72-23-00	Aft Acoustic Panel Assembly	336-023-005-0		✓		✓
08	72-23-02	Fan Case Liner	336-0164-256		✓		✓
09	78-11-05	Turbine Exhaust Centre Body Assy (pre mod RA32078-81) with serial numbers pre 1364001	238-0451-505 238-0452-509 238-0451-7R 238-0451-9R 238-0451-511	✓	✓	✓	✓
10	78-11-05	Turbine Exhaust Centre Body Assy (post mod RA32078-81) with serial numbers pre and post 1364001. These PN's are also CFM56-5B compatible	238-0451-513 238-0451-515 238-0451-517 238-0451-519 238-0451-521	✓	✓	✓	✓
11	78-11-05	Exhaust Sleeve	238-0401-501 642-4001-xxx 642-4612-xxx	✓	✓	✓	✓
12	78-31-13	Thrust Rev/C-Duct	238-1105-505 LH 238-1106-505 RH	✓	✓	✓	✓
13	71-13-15 71-13-16	Fan Cowl Door LH/RH	238-0301-xxx 238-0302-xxx 238M0301-xxx 238M0302-xxx	✓	✓	✓	✓
14	71-13-15	FCD Oil Tank Access Door	238-0319-1	✓	✓	✓	✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
General Electric/Snecma / CFM International  
CFM56-5B Series**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-11-19	Inlet Cowl	642-1000-501	✓	✓	✓	✓
02	71-11-19	Acoustic Panel	642-1025-515	✓	✓	✓	✓
03	78-32-36	Thrust rev/C-Duct	642-3801-519 (LH) 642-3802-519 (RH)	✓	✓	✓	✓
04	78-32-36	Core Cowl	ALL172-xxx-x ALL182-xxx-x	✓	✓	✓	✓
05	78-31-33	Extension ring, outer ring segment.	333A1120-1 & 2		✓		✓
06	71-13-00	Fan Cowl Door L/H / R/H	642-3001-xxx 642-3001-xxx 642M3001-xxx 642M3002-xxx	✓	✓	✓	✓
07	72-23-00	Engine Fan Case	338-075-622-0		✓		✓
08	78-31-17 78-31-18	Pivot Door Switch Deploy/Stow	321-400-604-0 321-400-503-0		✓		
09	78-36-52	Thrust Reverser Actuator Junction Box	321-409-900-0		✓		
10	71-13-27	FCD Oil Access Door	642-3035-xxx		✓	✓	✓
11	71-50-03	T/Rev Wiring Harness	321-404-703-0 ALL-404-801-0 321-404-604-0 321-404-801-0 321-404-701-0		✓		
12	78-31-53	Thrust Reverser Hydraulic Control Unit	TY-2013-10 Visual inspection only		✓		
13	78-31-56	Thrust Reverser Hydraulic Latch Assembly	TY2091-01 TY2091-01A C24742000-3 Visual inspection only		✓		
14	78-31-41	Thrust Reverser Pivoting Door Actuator	D2390000-8 321-400-705-0 Visual inspection only.		✓		
15	78-32-36	Thrust Reverser Pivot Door Assembly Upper/Lower	321-310-0xx-0 321-310-0xx-0G 321-360-0xx-0 321-360-0xx-0G Note: G suffix is a reference to a ROHR dwg revision not listed in IPL	✓	✓	✓	✓
16	78-36-40 78-36-41	Thrust Reverser Double Toggle Hook Latch Assembly	H3128-1, H3129-1		✓		
17	71-13-28	Fan Cowl Door Strake	642-3025-xxx	✓	✓	✓	✓
18	78-32-36	Thrust Reverser Sidewall (Upper Bifurcation) Panels LH/RH	321-149-xxx-x 321-175-xxx-x	✓	✓	✓	✓
19	71-11-19	Inlet Cowl Anti Icing Duct Pipe	642-1004-503	✓	✓	✓	✓
20	78-11-05	Turbine Exhaust Centre body Assy (Post production S/N 1364001 or pre S/N 1364001 which have been modified to SB RA32078-81)	238-0451-513 238-0451-515 238-0451-517 238-0451-519 238-0451-521	✓	✓	✓	✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
General Electric/Snecma/CFM International  
CFM56-7 Series**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	78-31-24	Translating Cowl Assembly	315A2561-118 315A2521-xx	✓	✓	✓	✓
02	71-11-22	Inlet Cowl Assembly	314-2100-x	✓	✓	✓	✓
03	78-11-37 78-11-38 78-11-39 78-11-40	Exhaust Plug/Sleeve	314A2610 314A2620 314A2630 314A2640-xx		✓		✓
04	78-30-00	Blocker Doors	315A2512-x	✓	✓	✓	✓
05	78-31-02 78-31-05 78-31-09 78-31-37 78-31-40	Thrust Reverser Assembly (Including related sub components)	315A2295-xxx 315A2295-xxxR	✓	✓	✓	✓
06	71-13-30	Fan Cowl Door	314-2200-xx		✓	✓	✓
07	78-31-37 & Boeing 737-SL-78-050	T/R Heat Blanket	S315A213-xx 99A9252M, 99A9253M 99A9254M, 99A9268M, 99A9266M		✓		✓
08	71-11-22	Inner Barrel Acoustic Panel	314-2121/2-1	✓	✓	✓	✓
09	78-31-37	Cascade Vane Assembly	S315Axxx-xx LP12xxx	✓	✓	✓	✓
10	78-31-19	Locking Actuator	315A2801-1, 315A2801-4, 315A2801-5	✓	✓	✓	✓

**CFM International (Safran/GE)  
Leap 1B Engine (Fitted to B737 Max Aeroplanes)**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	Boeing CMM 78-31-94	Thrust Reverser Heat Blankets	315A6141-1, 315A6141-2 315A6141-3, 315A6141-4		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
International Aero Engines (IAE)  
V2500 Series**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-11-00	Cowling Air Intake Config 1-4	740-3000-xxx 740-3001-xxx 745-3000-xxx 745-3400-xxx	✓	✓	✓	✓
02	71-11-00	Inner Barrel Acoustic Panels	745-3087-503 745-3088-501 745-3089-501 745-3087-501	✓	✓	✓	✓
03	71-13-00	Fan Cowl Door L/H/ R/H	740-4000-xxx 740-4001-xxx 745-4000-xxx 745-4001-xxx	✓	✓	✓	✓
04	71-13-03 71-13-03-ICA	Fan Cowl Door (Monolithic) (Bombardier) LH/RH	745B4000-xxx		✓	✓	✓
05	78-11-11	Nozzle	740-1093-505	✓	✓	✓	✓
06	78-11-12	Nozzle Plug	740-1123-501	✓	✓	✓	✓
07	78-11-11	Common Nozzle Assembly	745-1101-xxx 740-1094-xxx	✓	✓	✓	✓
08	78-30-00	Thrust Reverser (LH & RH)	740-0001-xxx 740-0002-xxx 745-0002-xxx 740M0007-xxx 745M0007-xxx	✓	✓	✓	✓
09	78-30-00	Blocker Door	740-0042-xxx 740-0043-xxx	✓	✓	✓	✓
10	78-30-00	Translating Sleeve	745-0006-xxx	✓	✓	✓	✓
11	78-11-12	Exhaust Tail Cone Assembly	290-1501-501 745-1502-502		✓		✓
12	78-30-00	T/Rev Tran-scowl Inner Bondment (Config-2)	745-0026-xxx 745-0037-xxx	✓	✓	✓	✓
13	71-13-00	Fan Cowl Door Strake	745-4112-xxx 745-4106-xxx	✓	✓	✓	✓
14	78-30-00	T/R Thrust Recovery Door	740-0536-501	✓	✓	✓	✓
15	78-30-00	Duct Assembly L/H & R/H	745-0012-521 745-0012-523	✓	✓	✓	✓
16	78-30-00	Cascade Assembly (Vane)	740-0109-xxx 740-0235-xxx	✓	✓	✓	✓
17	78-32-00	Thrust Reverser Wire Harness	740W0288-xxx		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
Pratt & Whitney  
PW308C Series**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	78-30-10	Thrust Reverser	06ND78001-x		✓	✓	✓
02	78-31-10	Thrust Reverser Upper Door	06ND78007-x		✓	✓	✓
03	78-31-10	Thrust Reverser Lower Door	06ND78008-x		✓	✓	✓

**Pratt & Whitney  
PW2000 Series**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-11-70	Inlet assembly (End Item)	314N3080-xx	✓	✓	✓	✓
02	71-11-71	Inlet Cowl Assembly	314N3010-xxx	✓	✓	✓	✓
03	78-31-17	Thrust Reverser	315N3295-x	✓	✓	✓	✓
04	71-11-75	Thrust Reverser Cascade Vanes	315N3210/11/12/13/14/15/16-xx	✓	✓	✓	✓
05	71-11-73	Engine Core cowl Assembly	314N3210-xx		✓	✓	✓
06	71-11-77	Fan Cowl Door	314N3110-54	✓	✓	✓	✓
07	78-31-17	Thrust Reverser Fairing	315N3552-x 315N3553-x	✓	✓	✓	✓

**Pratt & Whitney (Canada)  
PW900 Series (APU)**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	49-21-02 NRP 5701	Air Inlet Duct (Inlet Plenum) (PW901A/PW901C Series)	3902671-01 3902675-01 3903057-01 3903061-01 3903070-01 3903072-01 3910998-01 3911338-01 3911945-01 3900867-01 3910997-01 3911336-01 3911943-01 3900865-01		✓		✓
02	49-22-70	Air Inlet Duct (Inlet Plenum) (PW980A Series)	3902465-01 3902527-01 3902697-01 3902837-01 3902464-01 3902526-01 3902836-01		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
Pratt & Whitney  
PW4000 Series Engines**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-13-02	Nose Cowl	221-4050-xxx	✓	✓	✓	✓
02	71-61-41	Nose Cowl	70N106-xxx	✓	✓	✓	✓
03	71-11-51	Nose Cowl (PW4056/4060)	314T4010-xxx	✓	✓	✓	✓
04	71-13-07 71-13-08	Fan Access Door L/H / RH	221-5391-xxx 221-0302-xxx		✓		✓
05	71-13-09	Forward Fan Cowl Upper Section	72N120-xxx		✓		✓
06	71-13-10	Forward Fan Cowl Left Section	72N140-xxx		✓		✓
07	71-13-11	Forward Fan Cowl Right Section	72N160-xxx		✓		✓
08	71-13-12	Aft Fan Cowl Door LH	72N620-xxx		✓		✓
09	71-13-13	Aft Fan Cowl Door RH	72N640-xxx		✓		✓
10	78-31-00	Thrust Reverser (PW415x)	221-4125/6-xxx 221M-4125/6-xxx	✓	✓	✓	✓
11	78-32-00	Thrust Reverser (PW4168)	70M000-xxx 70M100-xxx		✓		✓
12	71-13-08	Fan Cowl Door	221-0301/2-xxx	✓	✓	✓	✓
13	78-31-00	Thrust Reverser	221M5126-xxx	✓	✓	✓	✓
14	78-31-00	Translating Cowl	221-0503-xxx	✓	✓	✓	✓
15	78-32-00	Translating Cowl	74M000-150		✓		✓
16	78-11-06	Exhaust Nozzle	314T3310-9		✓		✓
17	78-10-04	Exhaust Nozzle (415x series)	221-0051-537		✓		✓
18	78-10-04	Nozzle Bulkhead Ring Assembly (415x)	221-0055-513		✓		✓
19	78-11-11	Exhaust Nozzle Assembly	76A008-xx		✓		✓
20	78-11-11	Exhaust Nozzle Outer Cowl	76A020-xx		✓		✓
21	78-10-03	Exhaust Plug	221-4027-xxx		✓		✓
22	78-31-41 78-31-47	Thrust Reverser (PW4056/4060) Thrust Reverser and Fan Cowl Duct	315T4014-xxx 315T4295-xxxx	✓	✓	✓	✓
23	71-11-56	Fan Duct Cowl (PW4056/4060)	315T4013-xxx	✓	✓	✓	✓
24	71-11-56	Cascade Vanes (PW4056/4060)	315T4210/4212/4214/ 4259/4262-x	✓	✓	✓	✓
25	78-31-00	Blocker Door	9333M35Gxx	✓	✓	✓	✓
26	78-32-12 78-32-34 78-30-33	Flexible Shaft Assembly	121746-x		✓		✓
27	78-31-00	T/R Latch Assembly	221-0765-514	✓	✓	✓	✓
28	78-32-25 71- 51-01	Wire Harness	21W4082-513	✓	✓	✓	✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair





**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,**  
Rolls Royce RB211-524G/H Series

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-11-03	Nose Cowl	LJ40442, LJ40886, LJ40910	✓	✓	✓	✓
02	71-11-03	Nose Cowl Acoustic Panels	LJ28269/70/71/72 LJ39033/34/35/36 LJ40915/16/17/18	✓	✓	✓	✓
03	71-30-01	Detachable Fairing Assembly	LJ39495		✓		✓
04	78-32-00	Thrust Reverser	LJ37575, LJ80576	✓	✓	✓	✓
05	78-32-16	Blocker Flap	LJ41319, LJ41322	✓	✓	✓	✓
06	78-32-00	Link Arm Assembly	LJ32270	✓	✓	✓	✓
07	78-32-00	Finger Bracket	LJ32475, LJ32551	✓	✓	✓	✓
08	78-32-00	Cascade Vane/ Deflector Box	LJ360xx, LJ403xx	✓	✓	✓	✓
09	72-03-01	Radial Drive Fairing LH , R/H	UL23537, UL23538	✓	✓	✓	✓
10	78-32-06	Thrust Reverser Acoustic Panels	LJ32262, LJ32597, LJ34333	✓	✓	✓	✓
11	72-03-01	Comp. Bottom Fairing	UL23729	✓	✓	✓	✓
12	72-03-01	Bleed Access Panel	UL23736	✓	✓	✓	✓
13	72-03-01	L/H & R/H Upper Comp. Fairing	UL23543, UL26804	✓	✓	✓	✓
14	72-03-01	Centre Comp. Fairing	UL23542	✓	✓	✓	✓
15	72-03-01	Pressure Relief Panel	UL26243	✓	✓	✓	✓
16	72-03-01	Pressure Relief Panel	UL27471	✓	✓	✓	✓
17	72-35-05	'A' Frame Fairing	UL27561/62/63/64/67	✓	✓	✓	✓
18	72-03-01	Pressure Relief Panel	UL27471	✓	✓	✓	✓
19	72-03-01	L/H & R/H Upper/Lower Comp. Fairing	UL23***, UL26***, UL37***, UL38***, UL39***	✓	✓	✓	✓
20	72-03-01	'A' Frame Fairing	UL27561/2/3/4	✓	✓	✓	✓
21	72-03-02	Nozzle Box Fairing Ctr. Nozzle Box	LK68502, LK68504	✓	✓	✓	✓
22	72-03-02	Nozzle Box Fairing	UL26888, UL26889	✓	✓	✓	✓
23	72-03-02	L/H & R/H Pylon Access Fairing	UL23894/5	✓	✓	✓	✓
24	72-03-02	L/H & R/H Rear Panel	UL22387/8	✓	✓	✓	✓
25	72-03-02	L/H & R/H Air Motor Access Fairing	UL27226, UL21319, UL21616	✓	✓	✓	✓
26	72-03-02	L/H & R/H Inter services Fairing	UL22282/3	✓	✓	✓	✓
27	72-03-02	L/H& /RH Front Access Panel	UL25198, UL25208, LK81330, UL31567	✓	✓	✓	✓
28	72-03-03	L/H & R/H Comb. Sect. Fairing	UL26237, UL26239, FW24537, FW24538, FW24825, FW24826, FW58198/99	✓	✓	✓	✓
29	72-03-03	Lower Comb. Sect. Fairing	UL26236	✓	✓	✓	✓
30	72-03-04	L/H & RH Rear Turbine Fairing	UL26991, UL26993	✓	✓	✓	✓
31	72-03-04	Lower Rear Turbine Fairing	UL26995	✓	✓	✓	✓
32	72-34-14	Fan Case Assembly	UL25403, UL24658, UL21157, FW163xx		✓		✓
33	72-34-15	Rear Fan Case	UL30705, UL26651, UL27791, UL22624, UL38850/51	✓	✓	✓	✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
Rolls Royce  
RB211-524G/H Series Cont.**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
34	71-30-01	L/H & R/H Lower Fire Walls	LJ41498/9, LJ41989, LJ42094, LJ36724/5, LJ39492/3, LJ41424/5	✓	✓		✓
35	71-30-01	Fan Case Rear Fire Wall	LJ27891, LJ37610	✓	✓		✓
36	71-30-01	Fan Case Rear Fire Wall Pressure Cylinder Segment	NDH9512	✓	✓		✓
37	72-34-15	Fan Case Outlet Guide Vane	UL23876, UL28927	✓	✓		✓
38	72-03-05	Hoop Plate Fairing	LJ394xx, LJ395xx, LJ405xx, LJ414xx, LJ420xx, LJ424xx, LJ425xx, LK88231	✓	✓	✓	✓
39	78-32-16	Corona Translating Case Assembly	LJ32557, LJ37755, LJ41507	✓	✓	✓	✓
40	78-32-16	Corona Clevis end Bracket	LJ32181	✓	✓	✓	✓
41	72-03-06	Engine Support Structure Rear Splitter Fairing	UL24747, UL24998, UL27228	✓	✓	✓	✓
42	78-32-07	Thrust Reverser Translating Sleeve	LJ389xx	✓	✓	✓	✓
43	78-32-07	Blocker Door Bracket	LJ32245, LJ32246	✓	✓	✓	✓
44	71-11-01	LH Fan Cowl Door	LJ40836		✓	✓	✓
45	78-11-05	Integrated Nozzle Assembly	LK88218	✓	✓	✓	✓
46	72-03-04 72-03-03	Gas Generator Fairing (also fits 524-D4 Series)	LK77133, LK70365	✓	✓	✓	✓
47	As Applicable	General C7 rated Piece Parts	As per NEL-F-034 self-evaluations		✓		✓
48	72-03-01	Engine Fairing Sealing Assembly	FW49569, FW49571	✓	✓	✓	✓
49	72-03-02	Pylon Fairing Seal L/H & R/H (EM 72-03-02 R124 FRS 7374)	UL24920, UL25705		✓		✓
50	78-32-07	Translating Cowl Guide Rail L/H & R/H	LJ38723, LJ38724		✓		✓
51	78-11-05	INA Access Panel	LK88205, LK88224	✓	✓	✓	✓
52	71-51-64	Inlet Cowl Anti-Ice Cable Assy	LJ37770, LJ39522		✓		
53	73-21-04	Inlet Cowl Tube P2/T2 Probe	LJ38300		✓		

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
Rolls Royce  
RB211-535C Series**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-11-03	Nose Cowl	LJ35910, LJ35845	✓	✓	✓	✓
02	78-31-00	Thrust Reverser	LJ71505 LJ71706/07/08 LJ72023/24/25 LJ71682, LJ71964, LJ71628	✓	✓	✓	✓
03	78-31-00	T/R Fixed Structure	LJ71940, LJ70089	✓	✓	✓	✓
04	78-31-00	Translating Sleeve	LJ70009, LJ70010	✓	✓	✓	✓
05	78-31-00	Cascade Vane	LJ71573, LJ71480	✓	✓	✓	✓
06	78-31-00	Thrust Reverser Bellows	77728-x	✓	✓	✓	✓
07	78-31-00	Thrust Reverser Hold Open Rod	55470-13	✓	✓	✓	✓
08	72-03-01	Gas Generator Fairing	UL12631, UL12632, UL12633 UL12634, UL12635, UL12653, UL12654, UL12661, UL126xx, LK861xx	✓	✓	✓	✓
09	72-35-05	A-Frame	LK83019	✓	✓	✓	✓
10	71-11-01 71-11-02	Fan Cowl Door	LJ71777, LJ71774, LJ71567, LJ71568	✓	✓	✓	✓
11	71-11-00	FCD Starter Valve Door Assembly	LJ70137	✓	✓	✓	✓
12	78-31-28-01-250	Door Assembly, Latch Access Front	LJ71906		✓		✓
13	78-31-28	Fixed Structure Outer Torque Ring Fairing	LJ71849	✓	✓	✓	✓
14	78-31-26 78-31-56	Mid & Upper Actuator (Functional test CMM 78-31-00-700 sub Para 6)	2189000-15		✓		

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair

**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,  
Rolls Royce  
RB211-535E4 Series**

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-11-30	Inlet Cowl (E4 3000 Series)	LJ35810, LJ39448, LJ38068, LJ38036, LJ38066	✓	✓	✓	✓
02	71-11-50	Inlet Cowl (E4B 5000 Series)	LJ505xx, LJ506xx, LJ508xx, LJ509xx	✓	✓	✓	✓
03	71-11-30	L/H,RH & LWR I/Barrel acoustic panels (3000 Series) (Subcontract to NRD)	226-1001-501E 226-1001-503E 226-1001-505E	✓	✓	✓	✓
04	71-11-50	L/H,RH & LWR I/Barrel acoustic panels (5000 Series)	LJ50671, LJ50672, LJ50673	✓	✓	✓	✓
05	78-31-03	Thrust Reverser LH/RH	LJ75089, LJ75040, LJ76570, LJ76574, LJ77100, LJ76369	✓	✓	✓	✓
06	78-31-00	C-Duct –Thrust Reverser Neutral LH/RH	LJ75005, LJ75006, LJ76325 LJ76326, LJ76364, LJ76365, LJ76570, LJ76605, LJ76606, LJ77104, LJ77016	✓	✓	✓	✓
07	78-31-23	Translating Cowl LH	LJ75009, LJ76875, LJ77079, LJ75039, LJ76425, LJ76877	✓	✓	✓	✓
08	78-31-53	Translating Cowl RH	LJ75010, LJ77080, LJ75040, LJ76426, LJ76878, LJ77078	✓	✓	✓	✓
09	78-31-03	Blocker Door	LJ76351	✓	✓	✓	✓
10	78-31-58	Fixed Structure LH/RH	LJ75089, LJ75090, LJ76377, LJ76554, LJ76690, LJ76498, LJ77136, LJ77140, LJ76497	✓	✓	✓	✓
11	78-31-58	Cascade Vane	LJ36986	✓	✓	✓	✓
12	78-31-58	Fixed Structure Latch Access Doors	LJ77128, LJ77129, LJ75036, LJ76271, LJ76322, LJ76616, LJ77062	✓	✓	✓	✓
13	78-11-04	Exhaust Collector (CNA)	UL13010, JP55201	✓	✓	✓	✓
14	71-11-02	Fan Cowl Door	LJ75814, LJ76379, LJ75747		✓		✓
15	71-11-00	FCD Hinge bracket Heatshield	LJ75519, LJ75519-x		✓		✓
16	72-03-01	Gas Generator Fairing	UL30317, UL29906, UL29907, UL36133, UL36134, UL12640, UL12641, UL12642, UL12643, UL12644, UL12645	✓	✓	✓	✓
17	72-00-41	Gas Gen Fairing Support (E4-B-37/25)	FW15725	✓	✓	✓	✓
18	78-31-28	Hold Open Rod	55470-3	✓	✓	✓	✓
19	78-36-03	T/Reverser Wire Harness (Inspect/test only)	LJ77120		✓		✓
20	78-34-03	Feedback Actuator (Inspect)	LJ70533		✓		✓
21	78-31-58	Sync Lock (inspect/repair only) (To VCMM Assembly Para H)	3578000-3		✓		✓
22	71-11-01 71-11-02	Fan cowl oil access door	LJ75505, LJ76872	✓	✓	✓	✓
23	71-11-01	Fan cowl door strut assembly L/H & R/H	A2866-3, A2866-4	✓	✓	✓	✓
24	71-11-01	Latch	H2847-11	✓	✓	✓	✓
25	78-31-00	Bleed Air Duct Assembly/Deflector	LJ71746-1	✓	✓	✓	✓
26	78-31-00	Thrust Reverser Slider	LJ75187	✓	✓	✓	✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



## POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU, Rolls Royce

RB211-Trent 700 Series (Customer to supply RR OEM tech data for Part 145 maintenance activity, not covered in Collins Aero structures manuals)

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	78-31-00	Thrust Reverser	HDTR3414 L&R HDTR3413 L&R HDTR3415 L&R HDTR3416 L&R HDTR3418 L&R	✓	✓	✓	✓
02	78-30-20	Upper/Lower Pivot Door Assembly	91E676-04, 91E676-04-0G 91E880-04, 91E880-04-0G 91E590-04-0G 91E900-04-0G	✓	✓	✓	✓
03	78-30-20	Pivot Door Inner Panel (Moveable Flap Rectangular/Triangular)	91E542-xx 91E846-xx 91E993-xx 91E550-xx	✓	✓	✓	✓
04	78-31-00	Duct Assembly	91B782-00		✓		✓
05	Rohr 78-11-14	Common Nozzle Assembly	FK16719 FK16858		✓		✓
06	71-61-00	Inlet Cowl	SJ30361X		✓		
07	78-31-07 78-30-20	Hold Open Rod Strut Assembly	A335-120 91A271-01		✓	✓	✓
08	71-13-41 71-13-42	Fan Cowl Door LH/RH	217-0431-xx 217-0465-xx 217-1338-xx 217-1365-xx 217-1338-xx		✓		

### Rolls Royce

RB211-Trent 800 Series (Customer to supply OEM tech data for Part 145 maintenance activity)

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	78-31-01	Thrust Reverser (No Autoclave ability)	315E1001-xxx RH 315W1295-xxx LH 315W5295-xxx RH		✓		✓

### Bombardier-Learjet

40/45 TFE731-20

(Customer to supply OEM tech data for Part 145 maintenance activity)

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	78-30-20	Thrust Reverser	LJ7830101-3-4-5-6		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C7 RATING, ENGINE – APU,**

**EMBRAER**

ERJ-170/175 Aircraft fitted with CF34-8 Engines  
(Customer to supply OEM tech data for Part 145 maintenance activity)

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	71-13-02	Aft Core Cowl Door	15F0001-009 On Wing Inspection/Repair to AMM		✓		✓
02	78-30-02	Thrust Reverser	15G0001-011 15G0001-012 15G0001-013 15G0001-014 On Wing Inspection/Repair to AMM		✓		✓

**Boeing**

737 600/700/800/900 Series Aircraft fitted with CFM56-7 Engines  
For component maintenance carried out to AMM

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	78-31-02 78-31-05 78-31-09	Thrust Reverser	315A2295-xxx		✓	✓	✓

**Boeing**

B777 Aircraft fitted with GE90 Engines (Customer to supply OEM tech data for Part 145 maintenance activity)

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	78-00-00	Thrust Reverser	315W1295-xxx On Wing Inspection/Repair to AMM		✓		✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair



**POWERPLANT/NACELLE CAPABILITY – PART 145 C20 RATING (STRUCTURES),**

**Boeing**  
B747 Series

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	SRM 57-31-36	Panel Assembly (Flying Wing)	113U1011-xxx 65B22845-xxx	✓	✓	✓	✓

**Boeing**  
B767 Series

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	SRM 54-52-70	Pylon Panel	323T2380-670		✓		✓

**Boeing**  
B777 Series (GE90 Engines)

No.	ATA Ref.	Component/ Unit Description	Typical Part Numbers	Part 145 Limitations			
				A	B	C	D
01	SRM 54-53-70 IPL 54-52-17 Fig 18	Strut Aft Fairing Panel (Fire shield arrangement)	313W1821-X 313W1822-X 313W1823-X 313W1824-X 313W1825-X 313W1826-X		✓		✓
02	SRM 52-21-10	Fan Cowl Door (Exterior surface finish)	314W1086-xx	✓	✓	✓	✓

A	B	C	D
Overhaul	Inspection / Testing	Modification	Repair