



B777-200/300

GE 90/PW4000/RR

MAINTENANCE PRACTICE

TRAINING MANUAL

B1/B2 LEVEL

DERICHEBOURG ATIS Aéronautique
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B777-200/300 GE90/PW4000/RR Trent Maintenance Practice Training Manual B1/B2

TRAINEE

SURNAME: _____ Forename: _____

Licence number: _____

Experience on an aircraft with similar technology: YES _____
NO

Signature: _____ Date : ____ / ____ / ____

ON JOB TRAINING

Type of training: B777-200/LR/Freighter PW4000 series
 B777-300 RR Trent series
 B777-200/300ER GE 90 series

Type: B1 B2 B1/B2

Starting date : ____ / ____ / ____ Ending Date : ____ / ____ / ____

Performed at : _____

DERICHEBOURG Atis aéronautique STAMP :

PRACTICAL ASSESSORS

Ref./Stamp	NAME	Signature	Date

Validation by Quality Department:

Date: _____ Name: _____ Signature: _____

SUBJECT

The aim of this document is to record all the practical tasks performed by engineers within Atis aéronautique, PART 145 FR.145.107 approved maintenance organisation, in order to comply with the requirements of Appendix III of PART 66 to have the B1 or B2 or B1/B2 rating on B777-200/300/LR/ER/Freighter/PW4000/GE90/RR Trent aircraft.

Any task performed in the frame of this On Job Training (OJT) will have to be signed by the trainee engineer and validated by assessors. This OJT will be performed under the responsibility of one or more B1 or B2 or B1/B2 qualified engineers, listed in the table on page 2 of this document.

After this training, the engineer will be able to:

- perform verifications of systems, engines, components and operational functions such as specified in the maintenance manual,
- analyse all information in order to make decisions regarding trouble shooting and corrective actions as per maintenance manual,
- describe the component replacement procedures specific to aircraft type.

DURATION

- Engineer with B1 or B2 or B1/B2 rating and six month experience on an aircraft with a similar technology: 70 hours⁽¹⁾,
- Engineer with B1 or B2 or B1/B2 rating and less than six month experience on an aircraft with a similar technology: 140 hours⁽¹⁾,
- Engineer with no B1 or B2 or B1/B2 rating on an aircraft with a similar technology: four months.

⁽¹⁾The 70/140 hours do not have to be necessarily performed in a row, but can be extended on a period adapted to operational configuration (availability of aircraft, trainee and assessors).

CLASSIFICATION

Classifies the importance of a task for the completion of the practical training record.

Following classifications are used:

- **Mandatory (M)**: This indicates that the related task is required for completion of the practical training record.
- **Optional (O)**: This indicates that the related task is optional. It is recommended to perform at least 70% of those tasks in each ATA chapter.

TASKS CODES

- FOT: Functional Operational Test^(*)
- LOC: Location and identification of system components
- MEL: Minimum Equipment List items requiring a maintenance procedure
- RIA: Removal Installation Activation
- SGH: Servicing Ground Handling
- TPR: Thorough Procedural Review
- TVC: Carry out Thorough Visual Check
- TS: Troubleshooting

^(*) If ground power or other applicable systems are unavailable a TPR will be carried out in place of a FOT.

SIGNING OFF THE TASKS

Part 66 Appendix 3 paragraph 2.2 requires that the practical training element must consist of the performance of representative tasks and their assessment, in order to meet the following objectives:

- a) Ensure safe performance of maintenance, inspections and routine work according to the maintenance manual and other relevant instructions and tasks as appropriate for the type of aircraft, for example troubleshooting, repairs, adjustments, replacements, rigging and functional checks such as engine run, etc, if required,
- b) Correctly use all technical literature and documentation for the aircraft,
- c) Correctly use specialist/special tooling and test equipment, perform removal and replacement of components

The nominated trainer/assessor will sign off each task when satisfied that the trainee has attained the demonstrable level of understanding that is required.

PRE-REQUISIT

The trainee must have participated and succeeded in a PART 147 theoretical type rating training (T1/T2 training).

The assessors must have an experience of five years in the line maintenance and two years in the qualification of type.

For any OJT, the assessors will have to make a request by email at the Quality Department for validation of pre-requisit.



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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 00 - Introduction									
00-001	00	Identify aircraft manuals and documentation	M	X	X	/			
00-002	00	Cockpit familiarisation	M	X	X	LOC			
00-003	00	Servicing	M	X	X	TVC			
00-004	00	External power points	M	X	X	TVC			
00-005	00	Hydraulic servicing	M	X	X	TVC			
00-006	00	Fuelling panel	M	X	X	TVC			
00-007	00	Defuelling	M	X	X	TVC			
00-008	00	Toilet servicing	M	X	X	TVC			
00-009	00	Water servicing	M	X	X	TVC			
ATA 05 - Time Limits/Maintenance Checks									
05-001	05-00-00	Daily check	M	X	X	TVC			
05-002	05-50-00	Weekly check	M	X	X	TVC			
05-003	05-51-28	Procedures to follow in Ice or snow condition	M	X	X	TVC			
05-004	05-51-18	Review the procedures to follow in the event birdstrike/hail damage condition	M	X	X	TPR			
05-005	05-51-01	Review the procedure to follow in the event of hard landing or high drag/side load landing	M	X	X	TPR			
05-006	05-51-19	Review the procedures for performing a lightening strike inspection	M	X	X	TPR			
ATA 06 – Dimentions and areas									
06-001	06-10-00	Principe dimensions and areas		X	X	LOC			

REMARKS :



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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 07 – Lifting and Shoring									
07-001	07-11-01	Jack Airplane	O	X	X	TPR			
07-002	07-11-03	Jacking aeroplane axles	M	X	X	SGH			
ATA 08 – Levelling and Weighting									
08-001	08-21-00	Level aircraft with onboard inclinometers		X	X	SGH			
ATA 09 - Towing and Taxiing									
09-001	09-11-00	Towing points/streering angle limitation	M	X	X	TPR			
09-002	09-11-03	Tow with limited hydraulic pressure	O	X	X	SGH			
ATA 10 - Parking and Mooring									
10-001	10-00-00	Landing gear locking pins	M	X	X	RIA			
10-002	10-00-00	Engine/airframe blanking	O	X	X	RIA			
10-003	10-11-05	Parking in High wind conditions	M	X	X	TPR			
10-004	10-11-01	Normal parking procedures	M	X	X	SGH			
ATA 11 – Placards and Markings									
11-01	11-21-10	Static port marking	O	X	X	LOC			
11-02	11-23-01	Passenger door placards	O	X	X	LOC			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 12 - Servicing									
12-001	12-11-00	Fuel servicing	M	X	X	SGH			
12-002	12-11-01	Fuelling fuel tank pressure (Auto)	O	X	X	SGH			
12-003	12-11-01	Fuelling fuel tank pressure (Manual)	O	X		TPR			
12-004	12-11-02	Draining fuel sump	M	X		SGH			
12-005	12-11-01	Fuelling fuel tank pressure with inop refuel valves	M	X		SGH			
12-006	12-12-01	Hydraulic System servicing	M	X		SGH			
12-007	12-12-01	Hydraulic reservoir air pressure system servicing	M	X		SGH			
12-008	12-13-04	APU oil servicing	M	X		SGH			
12-009	12-13-01	Engine oil servicing	M	X		SGH			
12-010	12-13-05	ADP servicing	O	X		SGH			
12-011	12-13-03	Review the procedures to service an IDG	O	X	X	SGH			
12-012	12-13-04	Perform an APU oil level check	M	X		SGH			
12-013	12-13-09	Transmission trailing edge flap servicing	O	X		SGH			
12-014	12-14-01	Potable water & waste servicing	M	X	X	LOC			
12-015	12-15-01	Landing gears shock strut servicing	M	X		SGH			
12-016	12-15-04	Review the procedures for charging the brake accumulator	M	X		LOC			
12-017	12-15-08	Review the procedures for the servicing of the O2 system	O	X	X	LOC			
12-018	12-12-02	Power door opening(PDOS) servicing	O	X	X	SGH			
12-019	12-15-11	Fluids landing gear shock strut servicing	O	X		TPR			
12-020	12-15-03	Service the air pressure in the tyres	M	X	X	SGH			
12-021	12-13-07	Service Back-up generator oil	M	X	X	TPR			
12-022	12-16-00	Windows servicing	O	X		SGH			
12-023	20-10-09	Hydraulic tubing repairing	O	X		TPR			

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ATA 21 - Air Conditioning									
21-001	21-00-00	Cockpit Controls and indications	M	X	X	TVC			
21-002	21-00-00	External conditioned air supply	M	X	X	LOC			
21-003	21-25-01	Filter, upper recirculation fan	M	X	X	SGH			
21-004	21-27-08	Equipment cooling low flow detector auto BITE test alarm	M	X	X	FOT			
21-005	21-31-00	Perform a test of the Pressurisation system	M	X		FOT			
21-006	21-31-00	Operational test of cabin pressure controllers and warning system	M	X	X	FOT			
21-007	21-32-01	Reset, Positive pressure relief valve, Flag	M	X		TVC			
21-008	21-45-00	Door area heating	O	X	X	LOC			
21-009	21-51-00	Cooling packs	M	X	X	LOC			
21-010	21-51-03	Pack control sensors	M	X	X	LOC			
21-011	21-52-04	Water Collector	O	X		RIA			
21-012	21-52-00	Perform a test of the Pack Controller	O	X	X	FOT			
21-013	21-51-14	Air Cycle Machine	M	X	X	LOC			
21-014	21-61-00	Perform a function check of the Zone Temperature Control system	M	X	X	FOT			
21-015	/	Air conditioning and pressurisation MEL maintenance procedures	M	X	X	MEL			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 22 – Auto flight									
22-001	22-00-00	Auto Flight System controls and indications in cockpit	M	X	X	TVC			
22-002	22-00-00	Auto Flight System components	M	X	X	LOC			
22-003	22-11-00	Perform an Autopilot Flight director (AFDS) system test. Task 22-11-00-730-801	M	X	X	FOT			
22-004	22-11-01	AFDC replacement	M		X	RIA			
22-005	22-11-02	Autopilot/flight director mode control panel	O	X	X	FOT			
22-006	22-11-04	Take off/Go-around switches (TO/GA)	O	X	X	LOC			
22-009	22-24-00	Auto throttle servo motor	M		X	RIA			
22-010	22-31-00	Thrust management test (TMCF)	M	X	X	FOT			
22-011	22-00-00	Auto Flight MEL maintenance procedures	M	X	X	MEL			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 23 - Communication									
23-001	23-00-00	Communication system components	M	X	X	TVC			
23-002	23-00-00	Communication system controls and indications in the cockpit	M	X	X	LOC			
23-003	23-11-00	HF operational	O	X	X	FOT			
23-004	23-11-03	HF transceiver Ground test(MAT)	M	X	X	FOT			
23-005	23-12-00	VHF system operational	M	X	X	FOT			
23-006	23-12-01	VHF system BITE test	M	X	X	FOT			
23-008	23-21-00	Perform a SELCAL test	O	X	X	FOT			
23-009	23-24-00	Emergency locator transmitter test	O	X	X	FOT			
23-010	23-31-00	Passenger address amplifier test	M	X	X	FOT			
23-011	23-32-00	Video system control unit test	O	X	X	FOT			
23-012	23-41-00	Service interphone test	M	X	X	FOT			
23-013	23-43-00	Flight and ground crew call test	M	X	X	FOT			
23-014	23-45-00	Flight interphone system test	M	X	X	FOT			
23-015	23-61-01	Static dischargers remove/install	O	X	X	RIA			
23-016	23-71-00	Voice Recorder system	M	X	X	RIA			
23-017	23-71-03	Underwater locator beacon maintenance practices	O	X	X	TPR			
23-018	23-11-00	Safety procedures, HF operational test	M	X	X	SGH			
23-019	23-11-809/810	L/H – R/H HF transmission fault T/S (FIM)	M		X	TS			
23-020	/	Communication MEL maintenance procedures	M	X	X	MEL			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 24 – Electrical power									
24-001	24-00-00	Electrical system controls and indications in the cockpit	M	X	X	TVC			
24-002	24-00-00	Components location	M	X	X	LOC			
24-003	24-41-00	Connect and establish electrical power to the airplane buses. Reviews the procedures for Ground Handling and Ground Service.	M	X	X	TPR			
24-004	24-11-01	IDG Functional and operational test	M	X	X	FOT			
24-005	24-33-02	Standby Power Check	M	X	X	FOT			
24-006	24-21-00	Generator, bus tie and auxiliary power breakers	M	X	X	LOC			
24-007	24-41-05	Perform a BITE of the Electrical System using the MAT/PMAT	M	X	X	FOT			
24-008	12-13-03	Review the procedures to service an IDG,	O	X	X	SGH			
24-009	24-31-01	Battery replacement	M	X	X	LOC			
24-010	24-32-01	Transformer rectifier unit	O	X	X	RIA			
24-011	24-33-07	Standby Power Control Unit	M	X	X	FOT			
24-012	24-33-05	Static inverter	M	X	X	RIA			
24-013	24-41-03	External Power receptacle & contactor	M	X	X	TVC			
24-014	24-41-00	Energise Electrical circuits from external power	M	X	X	SGH			
24-015	24-00-00/901	Electrical power MEL maintenance procedures MEL & AMM PartII	M	X	X	MEL			
24-016	24-08-831	Underpowered GPU fault isolation (FIM)	M	X	X	TS			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 25 - Equipment & Furnishing									
25-001	25-00-00	Equipment / Furnishings components location	M	X	X	LOC			
25-002	25-11-00	Crew seat adjustment	M	X		SGH			
25-003	25-25-01	Passenger seats	O	X		SGH			
25-004	25-21-01	Passenger cabin panels	O	X		RIA			
25-005	25-25-05	Cabin attendant seats	O	X	X	LOC			
25-006	25-52-01	Cargo compartment liner repairs	M	X		SGH			
25-007	25-52-08	Cargo compartments Blowout panels/decompression panels	O	X	X	LOC			
25-008	25-64-01	Detachable emergency equipment	O	X	X	LOC			
25-009	25-61-02	Escapes ropes / Straps and Lanyards	O	X		TVC			
25-010	25-66-01	Escape slides check	O	X	X	SGH			
25-011	25-63-00	Emergency evacuation signal system operational test	M	X	X	FOT			
25-012	25-00-00	Equipment and furnishing MEL maintenance procedures	M	X	X	MEL			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 26 - Fire protection									
26-001	26-10-00	Fire protection controls and indications in the cockpit	M	X	X	TVC			
26-002	26-10-00	Fire detection system components	M	X	X	LOC			
26-003	26-10-00	APU and Engine fire detection system operational test	M	X	X	FOT			
26-004	26-13-00	Lavatory smoke detection system test	O	X	X	FOT			
26-005	26-16-00	Cargo compartment smoke detection test	M	X	X	FOT			
26-006	26-18-00	Duct leak overheat detection (DLODS)	O	X	X	LOC			
26-007	26-17-01	Wheel well detector element test	O	X	X	FOT			
26-008	26-21-00	Engine fire extinguishing system	O	X	X	LOC			
26-009	26-21-00	Engine fire extinguishing system test	M	X	X	FOT			
26-010	26-21-01	Engine fire bottle replacement	M	X	X	RIA			
26-011	26-22-00	APU fire extinguishing system	M	X	X	SGH			
26-012	26-23-00	CARGO compartment fire extinguishing system	O	X	X	SGH			
26-013	26-24-00	Lavatory fire extinguishing system	O	X	X	FOT			
26-014	26-00-00/901	Fire protection MEL maintenance procedures	M	X	X	MEL			
26-015	26-10 task 803	Engine fire test' Fail' EICAS MSG (FIM)	M	X	X	TS			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 27 - Flight Controls									
27-001	27-00-00	Flight controls :controls and indications in the cockpit	M	X	X	TVC			
27-002	27-00-00	Flight control components location	M	X	X	LOC			
27-003	27-00-00	Safety precautions	M	X	X	SGH			
27-004	27-00-00	Flight power control unit(PCU) wiring check	M	X	X	SGH			
27-005	27-02-32	Flight controls shut off valve	M	X	X	LOC			
27-006	27-02-00	Flight controls test	M	X		FOT			
27-007	27-11-00	Conduct a function test of the Aileron /Flaperon Control System	M	X		FOT			
27-008	27-02-32	Perform a test of tail/wing hydraulic system using the hydraulic isolation valves	O	X		FOT			
27-009	27-51-00	Perform a trailing edge flap deactivation for maintenance purposes	M	X		FOT			
27-010	27-21-00	Perform a function test of the Rudder Power Control unit	M	X		FOT			
27-011	27-31-00	Perform a function test of the Elevator Control system	M	X		FOT			
27-012	27-51-00	Perform a stall Warning test. USE CAUTION	M	X		FOT			
27-013	27-41-00	Horizontal stabilizer Trim control test	M	X	X	FOT			
27-014	27-51-01	Perform a test of the FSEUs using the MAT	M	X		FOT			
27-015	27-51-00	Operate the flaps / slats using the Secondary control System	M	X		FOT			
27-016	27-58-00	Trailing edge Flap position indicator	M	X	X	RIA			
27-017	27-59-00	Flap skew detection system test	M	X	X	FOT			
27-018	27-59-01	Flap skew sensors location	M	X	X	LOC			
27-019	27-61-00	Flight spoiler control system components locations	M	X	X	LOC			
27-020	27-61-09	Flight spoiler control system rigging	M	X		FOT			
27-021	27-62-00	Autospeed brake control system	O	X	X	LOC			
27-22	27-62-00	Autospeed brake control BITE test	O	X	X	LOC			
27-023	27-81-00	Leading edge flap and slat control system components location	O	X	X	LOC			
27-024	27-81-00	Leading edge Flap and slat control system test	O	X		FOT			
27-025	/	Flight controls MEL maintenance procedures	M	X		MEL			
27-026	27-81 task 847	Slat electric motor trouble shooting (FIM)	M	X	X	TS			



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27-027	27-41 Task 826	Pitch trim command problems (FIM)	M	X	X	TS			
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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 28 - Fuel									
28-001	28-00-00	Fuel controls and indications in the cockpit	M	X	X	TVC			
28-002	28-11-00	Fuel tanks components location	M	X	X	LOC			
28-003	28-11-06	Fuel tank sump drain valves	O	X		RIA			
28-004	28-22-12	Centre tank scavenge system	O	X		FOT			
28-005	28-21-00	Pressure fuelling system	M	X	X	LOC			
28-006	28-21-00	Refuelling Adapter Inspection	M	X		TVC			
28-007	28-22-00	Engine fuel feed system	O	X	X	LOC			
28-008	28-26-01	Defuel, crossfeed, fueling valve actuator	M	X		RIA			
28-009	28-25-01	APU fuel Shutoff valve	M	X	X	LOC			
28-010	28-22-05	Fuel tank booster pump replacement	M	X		RIA			
28-011	28-26-00	Defuelling maintenance practices	O	X		TPR			
28-012	28-00-00/962	MMEL task for main tank jettison pump inop	O	X	X	SGH			
28-013	28-00-00	Fuel tank safety / CDCCL awareness	M	X	X	TPR			
28-014	/	Fuel system MEL maintenance procedures	M	X	X	MEL			
28-015	28-22 Task 801	Aft crossfeed switch, Fault isolation(FIM)	M	X	X	TS			
28-016	28-41 Task 809	Densitometer circuit problems Isolation(FIM)	M	X	X	TS			

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ATA 29 - Hydraulic power									
29-001	29-00-00	Hydraulic power controls and indications in the cockpit	M	X	X	TVC			
29-002	29-11-00	Hydraulic system components	M	X	X	LOC			
29-003	29-11-10	Air Driven Pump Assy	O	X	X	LOC			
29-004	29-18-00	Ground servicing system components and operation	M	X	X	LOC			
29-005	29-21-00	Ram Air Turbine (RAM) assy	O	X	X	LOC			
29-006	29-21-00	Ram Air Turbine operational test	M	X		FOT			
29-007	29-31-00	Hydraulic pressure indicating system	M	X	X	LOC			
29-008	29-32-00	Hydraulic fluid overheat warning	M	X	X	LOC			
29-009	29-33-00	Hydraulic fluid quantity indicating system	M	X	X	LOC			
29-010	29-31-03	Reservoir low pressure warning system	O	X	X	LOC			
29-011	/	Hydraulic power MEL maintenance procedures	M	X	X	MEL			
29-012	29-31-2	Low pump press indication INOP	M	X	X	MEL			
29-013	29-11-1	ACMP removal/installation (Left or Right)	O	X	X	RIA			
29-014	29-11 Task 806	C1 Demand Pump Selector and Selector Position Do not Agree(FIM)	M	X	X	TS			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 30 - Ice & rain protection									
30-001	30-00-00	Ice and rain protection controls and indicators in the cockpit	M	X	X	TVC			
30-002	30-11-02	Wing thermal anti icing system	O	X	X	LOC			
30-003	30-11-00	Wing anti ice system test	M	X	X	FOT			
30-004	30-31-00	Pitot static tubes and temperature probe anti icing system	O	X	X	LOC			
30-005	30-31-00	Pitot static tubes and temperature probe anti icing system Test	O	X	X	FOT			
30-006	30-41-00	Control cabin window anti icing system	O	X	X	LOC			
30-007	30-41-00	Window heat control unit operational test	O	X	X	FOT			
30-008	30-42-05	Windsheild Hydrophobic Coating, practices	M	X	X	SGH			
30-009	30-71-00	Water and Toilet drain anti icing system	O	X	X	LOC			
30-010	30-00-00	Ice and rain protection MEL maintenance procedures	M	X	X	MEL			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 31 - Indicating & recording system									
31-001	31-00-00	Indicating and recording system controls and indicators in the cockpit	M	X	X	TVC			
31-002	31-00-00	Indicating and recording system components	M	X	X	LOC			
31-003	31-25-00	Clocks test	M	X	X	SGH			
31-004	31-51-00	Aural warning system operational test	O	X	X	FOT			
31-005	31-31-00	Review the procedures for function testing the Flight Data Recorder	M	X	X	TPR			
31-006	31-41-00	AIMS system operational test	M	X	X	FOT			
31-007	31-61-01	Remove/install Primary display screen	M	X	X	RIA			
31-008	31-00-00	Indicating and recording system MEL maintenance procedures	M	X	X	MEL			
31-009	31-61 Task 827	EFIS control panel, Fault isolation (FIM)	M	X	X	TS			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 32 - Landing Gear									
32-001	32-00-00	Landing gear controls and indicators in the cockpit	M	X	X	TVC			
32-002	12-00-30	Ground lock assemblies maintenance practices	M	X	X	RIA			
32-003	32-08-02	Proximity sensor unit circuit card	M	X	X	LOC			
32-004	32-08-00	Proximity sensor test	O	X	X	LOC			
32-005	32-11-00	Main gear components location	O	X	X	LOC			
32-006	32-12-00	Main gear doors	O	X	X	SGH			
32-007	32-12-06	Main gear shock strut doors	O	X		SGH			
32-008	21-21-00	Nose landing gear components location	O	X	X	LOC			
32-009	32-22-00	Nose gear doors ground opening and closing	O	X	X	SGH			
32-010	32-31-00	Landing gear control system	M	X	X	LOC			
32-011	32-32-00	Main gear extension and retraction	O	X	X	TVC			
32-012	32-34-00	Nose gear extension and retraction	O	X	X	TVC			
32-013	32-35-00	Main gear alternate extension	O	X	X	TVC			
32-014	32-35-00	Nose gear alternate extension	O	X	X	LOC			
32-015	32-41-00	Hydraulic brake system	O	X	X	TVC			
32-016	32-45-01	Main wheel replacement	M	X		RIA			
32-017	32-45-02	Nose wheel replacement	M	X		RIA			
32-018	32-71-00	Tail Strike system	M	X	X	LOC			
32-019	/	Landing gear MEL maintenance procedures	M	X	X	MEL			
32-020	32-42 Task 801	Normal Anti-Skid Valve fault(FIM)	M	X	X	TS			
32-021	32-98 Task803	AIMS latched EICAS message(FIM)	M	X	X	TS			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 33 - Lights									
33-001	33-00-00	Lights controls and indicators in the cockpit	M	X	X	TVC			
33-002	33-11-00	Flight compartment lighting operational test	M	X	X	FOT			
33-003	33-16-00	Master warning and caution lights operational test	M	X	X	FOT			
33-004	33-20-00	Passenger compartment lighting test using CSCP, all lamps	O	X	X	FOT			
33-005	33-24-00	Passenger signs operational test	O	X	X	FOT			
33-006	33-25-00	Call lights operational test	O	X	X	FOT			
33-007	33-26-00	Lavatory lights	O	X	X	LOC			
33-008	33-27-00	Galley lights	O	X	X	LOC			
33-009	33-28-00	Passenger reading lights	M	X	X	LOC			
33-010	33-28-00	Passenger reading lights	M	X	X	RIA			
33-011	33-31-00	Cargo and service compartment lights	O	X	X	LOC			
33-012	33-44-00	Runway, landing and Taxi lighting	O	X	X	LOC			
33-013	33-42-11	Outboard retractable landing lamp replacement	O	X	X	RIA			
33-014	33-43-04	Tailcone position light replacement	M	X	X	RIA			
33-015	33-51-00	Emergency lights operational test with pilot's and attendant's switches	M	X	X	FOT			
33-016	/	Lights MEL maintenance procedures	M	X	X	MEL			

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ATA 34 - Navigation									
34-001	34-00-00	Navigation controls and indicators in the cockpit	M	X	X	TVC			
34-002	34-11-00	Static and total air pressure system	M	X	X	LOC			
34-003	34-13-01	Standby air data module	M	X	X	LOC			
34-004	34-16-00	Altitude warning system	M	X	X	FOT			
34-005	34-21-00	ADIRU Component location	M	X	X	LOC			
34-006	34-21-00	ADIRU initialisation	M	X	X	FOT			
34-007	34-21-01	ADIRU BITE test using MAT	M	X	X	FOT			
34-008	34-23-01	Magnetic standby compass maintenance practices	M	X	X	TPR			
34-009	34-24-00	Standby attitude reference system	M	X	X	LOC			
34-010	34-31-00	ILS receivers system test	M	X	X	FOT			
34-011	34-31-03	ILS Glide slope capture Antenna	M	X	X	LOC			
34-012	34-31-02	Localiser antenna	O	X	X	LOC			
34-013	34-51-00	VOR system	O	X	X	FOT			
34-014	34-31-00	Perform an ILS test using the MAT	O	X	X	FOT			
34-015	34-21-01	Perform an IRS software installation	O	X	X	FOT			
34-016	34-45-00	TCAS computer system test	M	X	X	FOT			
34-017	34-46-00	EGPWS test using MAT	M	X	X	FOT			
34-018	34-53-00	ATC system test on MAT	O	X	X	FOT			
34-019	34-55-00	DME system test on MAT	M	X	X	FOT			
34-020	34-57-00	Perform an ADF test on MAT	M	X	X	FOT			
34-021	34-43-00	Perform a function check of the RADAR	O	X	X	FOT			
34-022	34-61-00	Review the MAT Pages in the FMC	M	X	X	FOT			
34-023	/	Navigation MEL maintenance procedures	M	X	X	MEL			
34-024	32-11-01	Pitot Probe removal/installation	O		X	RIA			
32-025	34-61 task 907	FMCF software configuration fault (FIM)	O		X	TS			



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ATA 35 - Oxygen									
35-001	35-00-00	Oxygen systems controls and indicators in the cockpit	M	X	X	SGH			
35-002	35-00-00	Oxygen system pressure indication-check	M	X	X	FOT			
35-003	35-11-00	Flight crew oxygen system components location	O	X	X	LOC			
35-004	35-11-00	Flight crew mask/regulator in the stowed condition test	O	X	X	FOT			
35-005	35-21-00	Passenger oxygen system components location	O	X	X	LOC			
35-006	35-21-01	Oxygen generators	O	X		RIA			
35-007	35-31-00	Portable oxygen equipment	O	X	X	TVC			
35-008	/	Oxygen MEL maintenance procedures	M	X		MEL			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 36 - Pneumatic									
36-001	36-00-00	Pneumatic system controls and indicators in the cockpit	M	X	X	TVC			
36-001	36-00-00	Pneumatic system components	O	X	X	LOC			
36-002	36-00-00	Pressurisation/depressurisation of pneumatic system from ground air	O	X	X	SGH			
36-003	36-10-00	Bleed air system test	M	X	X	FOT			
36-004	36-20-00	Manifold Dual Temperature sensor	O	X	X	TPR			
36-005	36-00-00/901	Air Supply/Cabin pressure controller deactivation (MMEL) 36-00-1	O	X		TPR			
36-006	36-11-18	Pressure regulator shut off valve	O	X		RIA			
36-007	/	Pneumatic MEL maintenance procedures	M	X	X	MEL			
36-008	36-11-07	HPSOV removal/installation	M	X		RIA			
36-009	36-21-03	IP sensor removal/installation	O		X	RIA			
36-010	36-12 Task 805	APU SOV fault isolation (FIM)	M	X	X	TS			

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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 38 – Water and waste									
38-001	38-00-00	Water and waste components	M	X	X	LOC			
38-002	38-31-00	Waste water drain masts	O	X	X	SGH			
38-003	38-32-00	Toilet systems maintenance practices	O	X		TVC			
38-004	38-33-00	Waste tank quantity indicating system	M	X	X	FOT			
38-005	38-10-00	Water tank pressurization/depressurization	O	X		SGH			
38-006	38-11-07	Water tank filter	O	X		RIA			
38-007	/	Water and waste MEL maintenance procedures	M	X	X	MEL			

Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 45 – CMCS									
45-001	45-10-00	CMCS operational test	M	X	X	LOC			
45-002	45-10-01	Ground switch module removal/installation	O	X	X	RIA			
45-003	45-11-05	MAT software installation/update	O		X	TPR			

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ATA 49 - APU									
49-001	49-00-00	APU controls and indicators in the cockpit	M	X	X	TVC			
49-002	49-00-00	Airborne auxiliary power Description and operation	O	X	X	LOC			
49-003	49-11-00	APU maintenance practices	O	X	X	TPR			
49-004	49-11-00	APU start and shutdown	O	X	X	SGH			
49-005	49-51-00	APU cooling system	O	X	X	LOC			
49-006	49-51-21	APU cooling air shutoff valve	M	X		FOT			
49-007	49-52-00	APU bleed air system	O	X	X	LOC			
49-008	49-61-00	APU operational test	O	X	X	FOT			
49-009	49-71-21	Exhaust gas temperature indicating system	M	X	X	FOT			
49-010	49-91-31	APU oil pump	O	X		RIA			
49-011	/	APU MEL maintenance procedures	M	X	X	MEL			
49-012	49-10 task 801	APU Inlet door closed Fault isolation(FIM)	M	X	X	TS			

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ATA 52 - Doors									
52-001	52-00-00	Doors indications in the cockpit	M	X	X	TVC			
52-002	52-11-00	Forward entry door open/close operations	M	X		FOT			
52-003	52-13-00	Aft entry door	M	X		FOT			
52-003	52-20-00	Emergency exits	M	X	X	LOC			
52-004	52-21-00	Emergency exit hatch open/close operations	M	X		TPR			
52-005	52-31-00	Cargo compartment doors open/close operations	O	X	X	SGH			
52-006	52-32-00	Perform an operational check of the Main Cargo Door	O	X		FOT			
52-007	52-32-00	Operation of the Main Cargo Door using the Manual Mode	M	X		TPR			
52-008	52-34-00	Perform an operational check of a lower cargo door	M	X		FOT			
52-009	52-41-00	Galley service door	O	X		FOT			
52-010	52-41-00	Electronic equipment access door	O	X	X	FOT			
52-011	52-71-00	Door warning system test	M	X	X	FOT			
52-012	/	Doors MEL maintenance procedures	M	X	X	MEL			

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ATA 53 - Fuselage									
53-001	53-12-00	Radome operation	M	X	X	TVR			
53-002	53-05-1	Corrosion inspection	O	X		TVC			

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ATA 54 – Nacelles/Pylons									
54-001	54-53-01	Strut access doors, remove/refit	O	X		RIA			

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ATA 55 - Stabilizers									
52-001	55-38-03	Rudder Contacting Strip, Repairs	M	X		TVR			

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ATA 56 - Windows									
56-001	56-10-00	Flight compartment Windows	M	X	X	LOC			
56-002	56-12-11	Control cabin sliding windows	O	X		FOT			
56-003	56-21-11	Passenger cabin windows	O	X		FOT			
56-004	56-22-00	Emergency exit hatch window	O	X		SGH			
56-005	56-30-00	Door mounted windows	O	X		TVC			
56-006	/	Windows MEL maintenance procedures	M	X	X	MEL			
56-007	30-41 Task 804	Window Heat circuit, Fault Isolation(FIM)	M	X	X	TS			

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ATA 57 - Wings									
57-001	57-25-01	Vortex generators, Repairs	0	X		TVC			
57-002	57-43-01	Outboard Slat L/E rollers	0	X		RIA			

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ATA 70 to 80 – Engine PW4000									
70-001	70-43-07	Chemical touch-up for Aluminum	O	X		TPR			
71-001	71-00-00	Powerplant, cockpit controls and indications	M	X	X	TVC			
71-002	71-00-00	Engine motoring	O	X	X	FOT			
71-003	71-11-02	Opening/closing of cowlings	M	X	X	SGH			
72-001	72-60-01	Engine accessory drives	M	X	X	LOC			
72-002	72-21-02	Fan Blade removal/installation	O	X		RIA			
73-001	73-00-00	Locate the fuel flow limits for a successful engine start	M	X		SGH			
73-002	73-01-00	Review the procedures for replacing an FFG and adjusting the idle and Part Power limits	M	X		RIA			
73-003	73-21-00	Fuel control (Fadec)	M	X	X	LOC			
73-004	73-31-00	Locate the fuel flow limits for a successful engine start	M	X		SGH			
73-005	73-21 Task 842	EEC Hardware Fault(FIM)	O	X	X	TS			
74-001	74-00-00	Igniter plug	M	X	X	LOC			
74-002	74-00-00	Ignition system locations	O	X	X	LOC			
74-003	74-21-02	Ignitor plug	O	X	X	RIA			
74-004	71-00-00	Ignition system test	M	X	X	FOT			
75-001	75-00-00	Air system components	M	X	X	LOC			
75-002	75-31-00	Variable stator vane actuator system	O	X		FOT			
75-003	75-32-01	Perform a BVCU bite	M	X	X	FOT			
75-004	75-31-02	Variable Stator vanes actuator	O	X		RIA			
75-005	75-21 Task 849	CCC valve failed closed Fault Isolation(FIM)	O	X	X	TS			
76-001	76-12-00	Adjusting the throttle control cable system	M	X		TPR			
76-002	76-11-00	Adjusting the PLA transducer	O	X	X	TPR			
76-003	76-11-00	Throttle lever travel test	M	X	X	FOT			
76-004	76-12-01	Auto Throttle servo motor	M		X	LOC			
76-005	76-11	TLA resolver disagree Fault Isolation(FIM)	O	X	X	TS			
77-001	77-12-00	Review the procedures for inspecting the EPR system	O	X	X	FOT			
77-002	77-12-00	Engine speed sensors location	M	X	X	LOC			

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77-003	77-12-00	Engine speed sensor test	M	X	X	FOT			
77-004	77-41-01	Perform a function test of the Standby Engine Indicator	O	X	X	FOT			
77-005	77-12 Task 814	N1 indicating Fault(FIM)	O	X	X	TS			
78-001	78-00-00	Thrust reverser/exhaust components	M	X		LOC			
78-002	78-30-00	Perform a function test of a reverser system	O	X		FOT			
78-003	78-51-00	Review the procedures for dispatching the airplane with a reverser inoperative	M	X		TPR			
78-004	78-31-00	Review the procedures for deactivating the reverser system for maintenance purposes	M	X		SGH			
78-005	78-31-00	Review the procedures for manual opening and closing of a reverser	M	X		TPR			
79-001	79-00-00	Oil system components	O	X	X	LOC			
79-002	79-21-05	Chip detectors	M	X		RIA			
79-003	79-21-06	Oil filters	O	X		SGH			
79-004	79-21-07	Pressure and scavenge filters	O	X		RIA			
79-005	79-31-00	Oil quantity system	M	X	X	LOC			
79-006	79-32-00	Oil pressure indicating system	M	X	X	LOC			
79-007	79-34-00	Oil temperature indicating system	M	X	X	LOC			
80-001	80-00-00	Starting system components	M	X	X	LOC			
80-002	80-11-01	Engine starter	O	X		RIA			
80-003	80-11-03	Engine start valve manual start procedure	M	X		TPR			
80-004	80-21 Task 815	Start valve position disagree(FIM)	M	X	X	TS			
71 to 80	/	Engine MEL maintenance procedures	M	X	X	MEL			



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ATA 71 to 80 – Engine GE90 series									
70-001	70-43-07	Chemical touch-up for Aluminum	O	X		TPR			
71-001	71-00-00	Powerplant, cockpit controls and indications	M	X	X	TVC			
71-002	71-00-00	Engine motoring	O	X	X	FOT			
71-003	71-11-04	Opening/closing of cowlings	M	X	X	SGH			
72-001	72-60-01	Engine accessory drives	M	X	X	LOC			
72-002	72-21-02	Fan Blade removal/installation	O	X		RIA			
73-001	73-00-00	Fuel leakage check	M	X		TVC			
73-002	73-01-00	Review the procedures for replacing an FFG and adjusting the idle and Part Power limits	M	X		RIA			
73-003	73-21-00	Fuel control system	M	X	X	LOC			
73-004	73-31-00	Locate the fuel flow limits for a successful engine start	M	X		LOC			
73-005	73-21 Task 842	EEC Hardware Fault(FIM)	O	X	X	TS			
74-001	74-11-01	Ignition Exciter	M	X	X	LOC			
74-002	74-11-00	Ignition system power supply	O	X	X	LOC			
74-003	74-21-02	Igniter plug	O	X	X	RIA			
74-004	71-00-00	Ignition system test	M	X	X	FOT			
75-001	75-20-00	Cooling system components	M	X		LOC			
75-002	75-31-00	Variable stator vane actuator system	O	X		FOT			
75-003	75-32-00	Perform a VBV operational test via MAT	M	X		FOT			
75-004	75-31-02	Variable Stator vanes actuator	O	X		RIA			
75-005	75-21 Task 849	CCC valve failed closed Fault Isolation(FIM)	O	X	X	TS			
76-001	76-12-02	Autothrottle Disconnect switch test	M		X	TPR			
76-002	76-11-00	Performing a Thrust lever Travel test	O	X	X	TPR			
76-003	76-11-00	Throttle lever travel test	M	X	X	FOT			
76-004	76-12-01	Auto Throttle servo motor	M		X	LOC			
76-005	76-11 Task 806	TLA resolver disagree Fault Isolation(FIM)	O	X	X	TS			
77-001	77-00-00	Review the EPCS hexadecimal bit number/Binary interpretations	O	X	X	FOT			
77-002	77-12-00	Engine speed sensors location	M	X	X	LOC			

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77-003	77-12-00	Engine speed sensor test (71-00-00-801-833-H00)	M	X	X	FOT			
77-004	77-31-03	Perform a AVM signal conditioner software installation	O		X	FOT			
77-005	77-12 Task 814	N1 indicating Fault(FIM)	O	X	X	TS			
78-001	78-00-00	Thrust reverser/exhaust components	M	X		LOC			
78-002	78-31-01	Perform a function test of a reverser system	O	X		FOT			
78-003	78-00-00	Review the procedures for dispatching the airplane with a reverser inoperative	M	X		TPR			
78-004	78-00-00	Review the procedures for deactivating the reverser system for maintenance purposes	M	X		SGH			
78-005	78-36-01	Review the procedures for setting the T/R actuator lock proximity sensors	M	X	X	TPR			
79-001	79-00-00	Oil system components	O	X	X	LOC			
79-002	79-21-05	Chip detectors	M	X		RIA			
79-003	79-21-06	Oil filters	O	X		SGH			
79-004	79-21-07	Pressure and scavenge filters	O	X		RIA			
79-005	79-31-00	Oil quantity system	M	X	X	LOC			
79-006	79-32-00	Oil pressure indicating system	M	X	X	LOC			
79-007	79-34-00	Oil temperature indicating system	M	X	X	LOC			
80-001	80-00-00	Starting system components	M	X	X	LOC			
80-002	80-11-01	Engine starter	O	X		RIA			
80-003	80-11-03	Engine start valve manual start procedure	M	X		TPR			
80-004	80-21 Task 815	Start valve position disagree(FIM)	M	X	X	TS			
71 to 80	/	Engine MEL maintenance procedures	M	X	X	MEL			



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Item ref.	ATA	Subject	Class	B1	B2	Task code	Date	Trainee's signature	Assessor's signature
ATA 71 to 80 – Engine Rolls Royce Trent series									
71-001	71-00-00	Powerplant, cockpit controls and indications	M	X	X	TVC			
71-002	71-00-00	Engine motoring	O	X	X	FOT			
71-003	71-11-04	Opening/closing of cowlings	M	X	X	SGH			
72-001	72-60-01	Engine accessory drives	M	X	X	LOC			
72-002	72-21-02	Fan Blade removal/installation	O	X		RIA			
73-001	73-00-00	Fuel leakage check	M	X		TVC			
73-002	73-11-14	Remove and Install HP fuel Filter	M	X		RIA			
73-003	73-21-00	Fuel control system	M	X	X	LOC			
73-004	73-21-15	Locate and Identify the Electrical Power control unit	M	X	X	LOC			
73-005	73-21 Task 842	EEC Hardware Fault(FIM)	O	X	X	TS			
74-001	74-11-11	Ignition Exciter	M	X	X	LOC			
74-002	74-00-00	Ignition system audible test	O	X	X	FOT			
74-003	74-21-12	Igniter plug	O	X	X	RIA			
74-004	71-00-00	Ignition system test	M	X	X	FOT			
75-001	75-22-00	Cooling/Sealing system components	M	X		LOC			
75-002	75-33-00	Variable stator vane control valve system	O	X	X	LOC			
75-003	75-33-16	IP Bleed Valves	M	X		LOC			
75-004	75-31-02	Variable Stator vanes actuator	O	X		RIA			
75-005	75-21 Task 849	CCC valve failed closed Fault Isolation(FIM)	O	X	X	TS			
76-001	76-12-02	Autothrottle Disconnect switch test	M		X	TPR			
76-002	76-11-00	Performing a Thrust lever Travel test	O	X	X	TPR			
76-003	76-11-00	Throttle lever travel test	M	X	X	FOT			
76-004	76-12-01	Auto Throttle servo motor	M		X	LOC			
76-005	76-11 Task 806	TLA resolver disagree Fault Isolation(FIM)	O	X	X	TS			
77-001	77-00-00	Review the EPCS hexadecimal bit number/Binary interpretations	O	X	X	FOT			
77-002	77-12-00	Review MEL Procedures	M	X	X	TPR			
77-003	77-12-00	Engine EGT indicating system	M	X	X	LOC			

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77-004	77-33-11	Vibration transducers	O	X	X	LOC			
77-005	77-12 Task 814	N1 indicating Fault(FIM)	O	X	X	TS			
78-001	78-00-00	Thrust reverser/exhaust components	M	X		LOC			
78-002	78-31-00	Perform a function test of a reverser system	O	X		FOT			
78-003	78-00-00	Review the procedures for dispatching the airplane with a reverser inoperative	M	X		TPR			
78-004	78-00-00	Review the procedures for deactivating the reverser system for maintenance purposes	M	X		SGH			
78-005	78-36-03	Thrust reverser RVDT	M	X	X	LOC			
79-001	79-00-00	Oil system components	O	X		LOC			
79-002	79-22-21	Chip detectors	M	X		RIA			
79-003	79-22-14	Oil filters	O	X		SGH			
79-004	79-22-16	Pressure and scavenge filters	O	X		RIA			
79-005	79-31-11	Oil quantity transmitter	M	X	X	LOC			
79-006	79-33-11	Oil pressure indicating transmitter	M	X	X	LOC			
79-007	79-32-11	Oil temperature indicating system	M	X	X	LOC			
80-001	80-00-00	Starting system components	M	X	X	LOC			
80-002	80-12-11	Engine starter	O	X		RIA			
80-003	80-12-13	Engine start control valve	M	X		RIA			
80-004	80-21 Task 815	Start valve position disagree(FIM)	M	X	X	TS			
71 to 80	/	Engine MEL maintenance procedures	M	X	X	MEL			



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ATA reference	Work experience	Date	Trainee's signature	Assessor's signature



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