

A320neo COLLINS

NACELLE TOOLING CATALOG








A320NEO GSE TOOLS



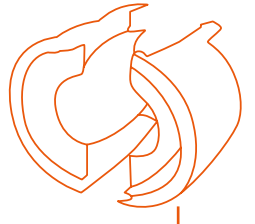
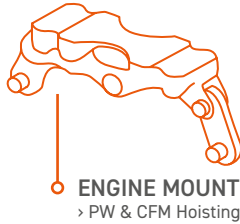
We have the capability to provide you all recommended GSE's based on the Aircraft Maintenance Manual (AMM) for your EIS (Entry-into-Service) program, and all your maintenance operations.

Thanks to our Tooling recommendation team, we can propose you a tailored tooling list for your maintenance workscope.



CATEGORY	PART NUMBER	NAME	MINIMAL QT FOR EIS
 INLET COWL	636-1100-1GSE	Inlet Cowl Sling	1
	636-1100-2GSE	Inlet Cowl Dolly	1
	636-1100-3GSE	Inlet Cowl Protective Blanket	0
	636-0001-4GSE	Inlet Cowl Lip Cover	2
 FAN COWLS	636-2000-17GSE	Fan Cowl Handling Sling	1
	636-2000-18GSE	Fan Cowl Dolly	1
	636-2000-19GSE	Fan Cowl Hinge Bolt Thread Protectors	1
 THRUST REVERSER	636-3000-7GSE	Thrust Reverser Handling Sling	1
	636-3000-8GSE	Thrust Reverser Dolly	1
	636-3000-9GSE	Thrust Reverser Hinge Bolt Thread Protectors	1
	636GSE3009-901	Thrust Reverser Hold Open Strut To Pylon	1
	636-3000-11GSE	Thrust Reverser C-Duct Cover	2
	636-3000-12GSE	Thrust Reverser Acoustic Panel Protective	0
	636-3000-13GSE	Thrust Reverser Manual Hydraulic Opening System	1
	636-3000-25GSE	Thrust Reverser DOS Installation Aid	1
	636-3000-26GSE	Thrust Reverser Vapor Barrier Seal Protector	1
	636-3000-28GSE	Thrust Reverser Actuator Primary Lock Pin	0
	636-3501-34GSE	Translating Sleeve	1
	636-3000-35GSE	Latch Pressure Tester	1
 NOZZLE & CENTER BODY	636GSE9014-901	Nai Sense Line Fitting GSE	1
	636-4250-21GSE	Exhaust Nozzle I/R Lifting Aid	1
	636-4000-22GSE	Exhaust Dolly	0
	636-4000-23GSE	Exhaust Exit Area Plug	2
 ENGINE MOUNT	636-1000-27GSE	Pylon ECS Interface Duct Support	1
	636-1000-29GSE	PW & CFM Hoisting Device - Engine Mount FWD	1
	636-1000-30GSE	PW & CFM Hoisting Device - Engine Mount AFT	1
	636-1000-31GSE	PW & CFM Support Beam Engine Mounts	1
	636-1000-32GSE	PW & CFM Blocking Device - Engine Mount AFT	1
	636-1000-33GSE	PW & CFM Pin Extractor - Engine Mount AFT	1

CONTENT

			
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INLET COWL SLING

DESCRIPTION – USE

This tool is used to lift and rotate the A320neo Inlet Cowl from the staging platform into aircraft orientation.

CAUTION

This tool is the only tool validated to lift the A320neo Inlet Cowl. If the Inlet Cowl is lifted with another tool, and there is damage, the insurance company may not cover the damage.

TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.

DIMENSIONS

3200 x 600 x 500 mm
[126 x 24 x 20 in]

WEIGHT

150 kg [330 lbs]



The pictures, measurements, and weights shall be used only as an indication.

3

636-1100-1GSE



A320neo GSE TOOLS



INLET COWL DOLLY

DESCRIPTION – USE

This tool is used to hold and transport the Inlet Assy for storage, local transportation and maintenance.

CAUTION

This tool has been validated for the maintenance of the A320neo Inlet Cowl. If the Inlet Cowl is moved or repaired on another tool and there is damage, the insurance company may not cover the damage.

DIMENSIONS

3300 x 2100 x 3000 mm
[130 x 83 x 118 in]

WEIGHT

950 kg [2,094 lbs]



The pictures, measurements, and weights shall be used only as an indication.

4

636-1100-2GSE



A320neo GSE TOOLS



INLET COWL PROTECTIVE BLANKET

DESCRIPTION – USE

This tool is used as a protective rug on the Thrust Reverser acoustic surface during Thrust Reverser maintenance, removal or installation activity.



DIMENSIONS
800 x 300 x 300 mm
[32 x 12 x 12 in]

WEIGHT
20 kg [44 lbs]

The pictures, measurements, and weights shall be used only as an indication.

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636-1100-3GSE

A320neo GSE TOOLS



INLET COWL LIP COVER

DESCRIPTION – USE

This tool is used to protect Inlet from foreign objects during parking and mooring.

CAUTION

Without the Inlet Cowl Lip Cover, water, dust or wind can go inside the Engine.

- > *Water retention: accelerates corrosion.*
- > *Dust: the engine could be damaged during the ignition.*
- > *Wind: allows blade rotation which may cause damage.*

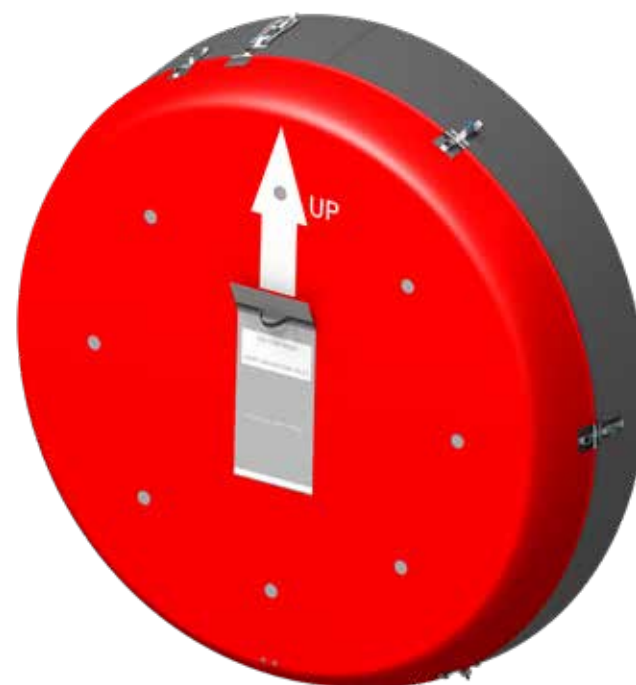
The Engine warranty may be void if the Covers are not used properly under the required conditions and there is damage to the Engine.

DIMENSIONS
500 x 400 x 400 mm
[20 x 16 x 16 in]

WEIGHT
3 kg [7 lbs]

The pictures, measurements, and weights shall be used only as an indication.

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636-0001-4GSE



A320neo GSE TOOLS



THRUST REVERSER HANDLING SLING

⚙️ DESCRIPTION – USE

This tool is used to move the Thrust Reverser halves (LH & RH) from the aircraft wing to Dolly (636-3000-8-GSE "turtleback" orientation) and from Dolly to aircraft wing.

⚠️ CAUTION

This tool is the only tool validated to lift the A320neo Thrust Reverser. If the Thrust Reverser is lifted using another tool, and there is damage, the insurance may not cover the damage.

✅ TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.

📏 DIMENSIONS

1450 x 1300 x 800 mm
[52 x 52 x 32 in]

⚖️ WEIGHT

260 kg [574 lbs]



The pictures, measurements, and weights shall be used only as an indication.

7

636-3000-7GSE



A320neo GSE TOOLS



THRUST REVERSER DOLLY

⚙️ DESCRIPTION – USE

This tool is used for transportation and maintenance of Thrust Reverser (LH & RH).

⚠️ CAUTION

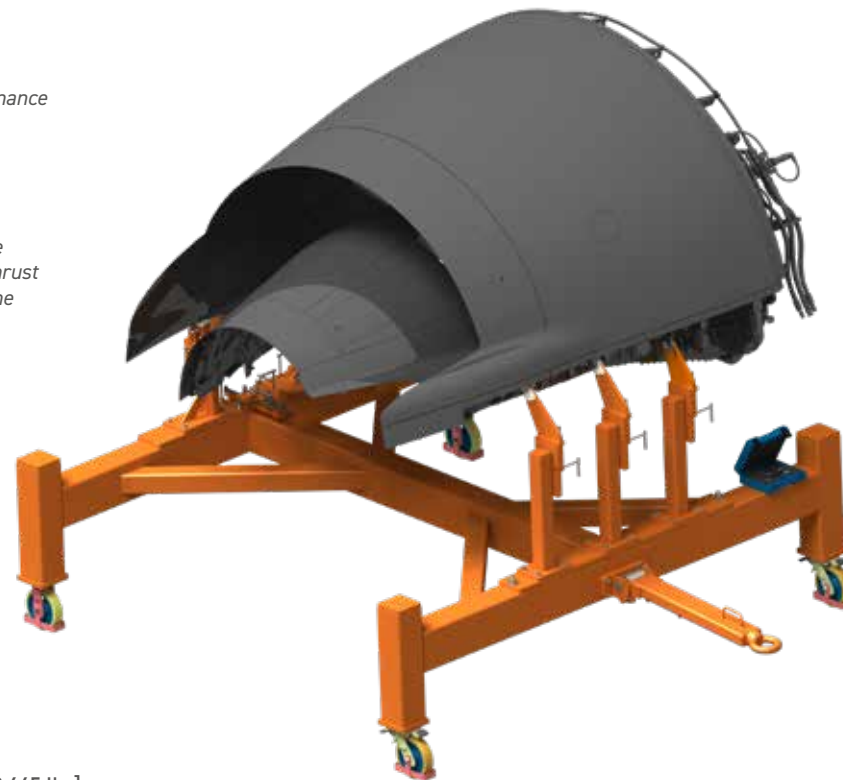
When the Thrust Reverser is removed from the aircraft using the Thrust Reverser Sling, the Thrust Reverser Dolly is needed to store or work on the Thrust Reverser.

📏 DIMENSIONS

2700 x 2700 x 1550 mm
[107 x 107 x 62 in]

⚖️ WEIGHT

1200 kg [2,645 lbs]



The pictures, measurements, and weights shall be used only as an indication.

8

636-3000-8GSE



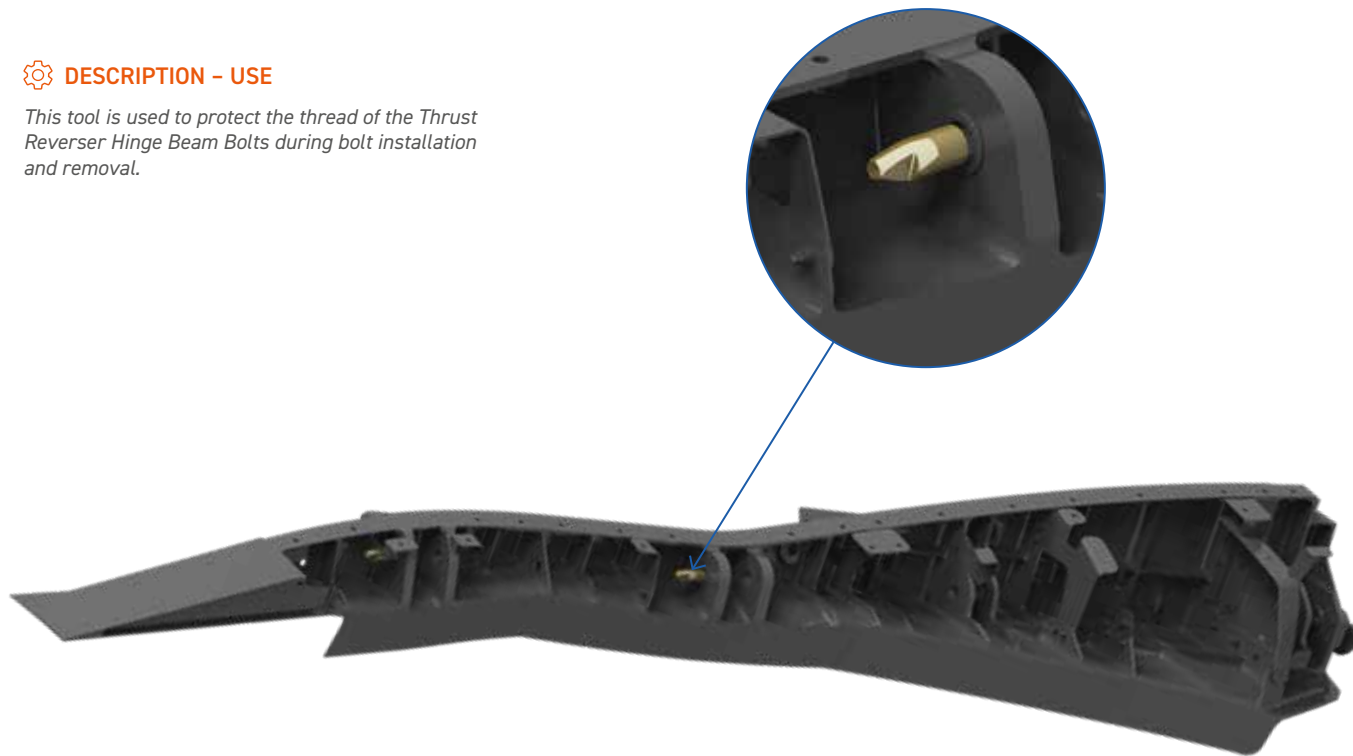
A320neo GSE TOOLS



THRUST REVERSER HINGE BOLT THREAD PROTECTORS

DESCRIPTION – USE

This tool is used to protect the thread of the Thrust Reverser Hinge Beam Bolts during bolt installation and removal.



DIMENSIONS
500 x 400 x 300 mm
[20 x 16 x 12 in]

WEIGHT
5 kg [12 lbs]

636-3000-9GSE

EIS

The pictures, measurements, and weights shall be used only as an indication.

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A320neo GSE TOOLS



THRUST REVERSER HOLD OPEN STRUT TO PYLON

DESCRIPTION – USE

- 1- Hold open strut is adjustable and is used to hold the Thrust Reverser open at 45 degrees during Engine removal.
- 2- To compress and protect Hinge Beam Seal during Engine removal.
- 3- To keep hinge beam located axially at R3 hinge during Engine removal.
- 4- To keep both Fan Cowl and Thrust Reverser open during Engine removal.

CAUTION

This tool is mandatory for this task. If not used the Thrust Reverser or the Pylon can be damaged.

TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.

DIMENSIONS
1700 x 1000 x 500 mm
[67 x 40 x 20 in]

WEIGHT
110 kg [243 lbs]



636GSE3009-901

EIS

The pictures, measurements, and weights shall be used only as an indication.

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A320neo GSE TOOLS



THRUST REVERSER C-DUCT COVER

DESCRIPTION – USE

This tool is used to cover the bypass duct between the Translating Sleeve and Inner Fixed Structure (LH and RH).

CAUTION

Without the Thrust Reverser C-Duct Cover, water, dust or wind can go inside the engine.

- > Water retention: accelerates corrosion.
- > Dust: the engine could be damaged during the ignition.
- > Wind: allows blade rotation which may cause damage.

The Engine warranty may be void if the Covers are not used properly under the required conditions and there is damage to the Engine.

DIMENSIONS

2100 x 1100 x 650 mm
[83 x 44 x 26 in]

WEIGHT

105 kg [232 lbs]



636-3000-11GSE



THRUST REVERSER ACOUSTIC PANEL PROTECTIVE

DESCRIPTION – USE

This tool is used as a protective rug on the Thrust Reverser acoustic surface during Thrust Reverser maintenance, removal or installation activity.

DIMENSIONS

850 x 400 x 200 mm
[34 x 16 x 8 in]

WEIGHT

20 kg [45 lbs]



636-3000-12GSE



THRUST REVERSER MANUAL HYDRAULIC OPENING SYSTEM

⚙️ DESCRIPTION – USE

This tool is a manual hydraulic system and is used in conjunction with the thrust reverser Door Opening System (DOS) actuator. The tool is used to open the Thrust Reverser half on A/C wing and hold open. The tool is also used to lower the Thrust Reverser half back to the closed position.

⚠️ CAUTION

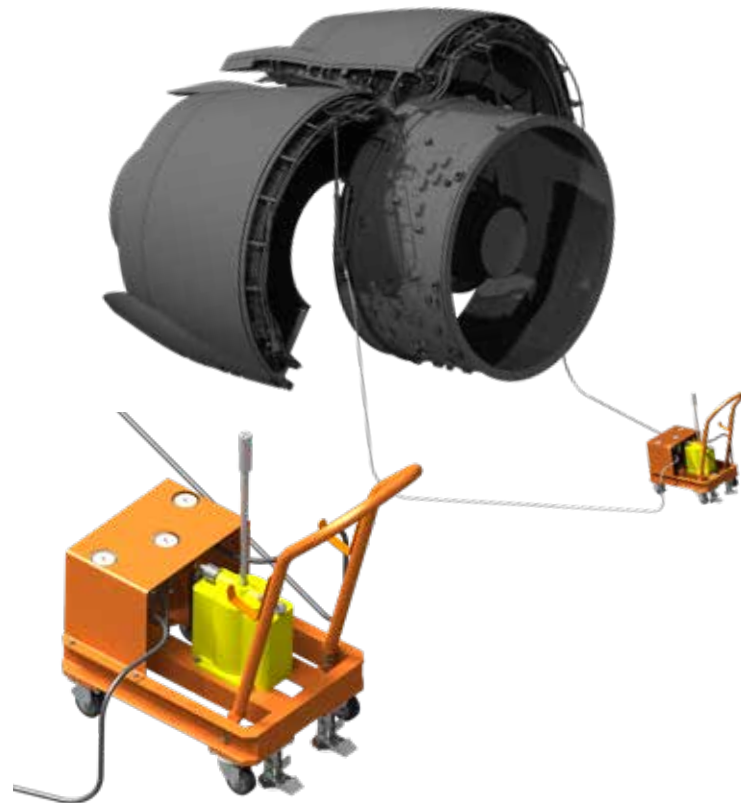
The Thrust Reverser Hydraulic Opening System or pump has been designed for use on the A320neo. If another pump is used to open the C-Ducts and there is damage, the damage may not be covered by the insurance.

✅ TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.

✚️ **DIMENSIONS**
1000 x 1000 x 1100 mm
[40 x 40 x 44 in]

⚖️ **WEIGHT**
100 kg [221 lbs]



636-3000-13GSE



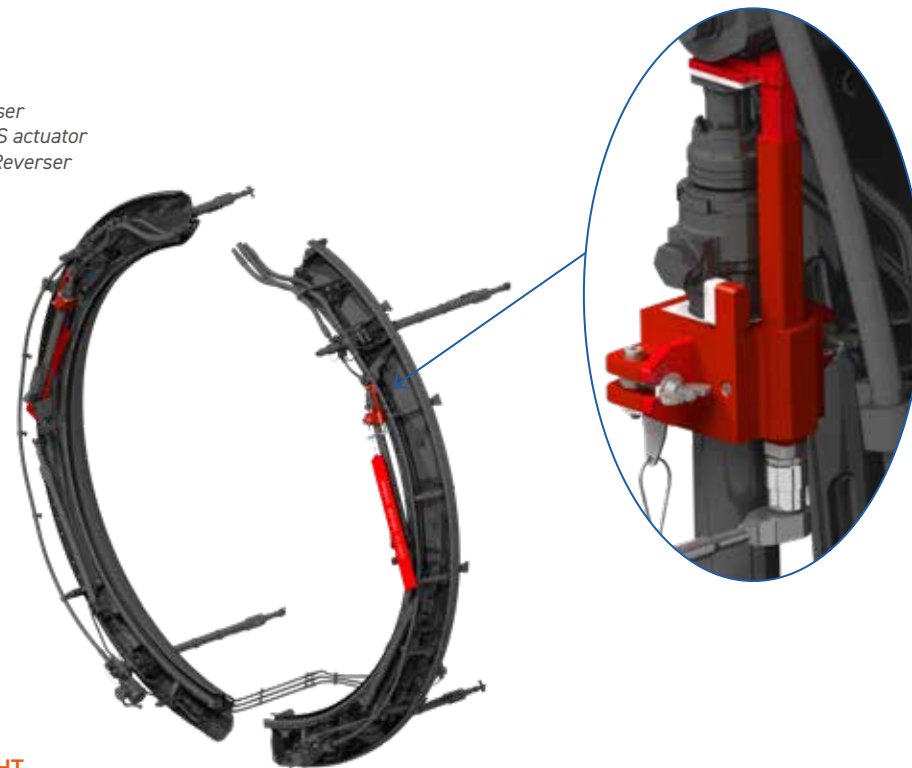
THRUST REVERSER DOS INSTALLATION AID

⚙️ DESCRIPTION – USE

This tool is used to compress Thrust Reverser DOS upper ROD end to Thrust Reverser DOS actuator body to facilitate the installation of Thrust Reverser DOS on both LH and RH.

✚️ **DIMENSIONS**
500 x 300 x 300 mm
[20 x 12 x 12 in]

⚖️ **WEIGHT**
6 kg [14 lbs]



636-3000-25GSE

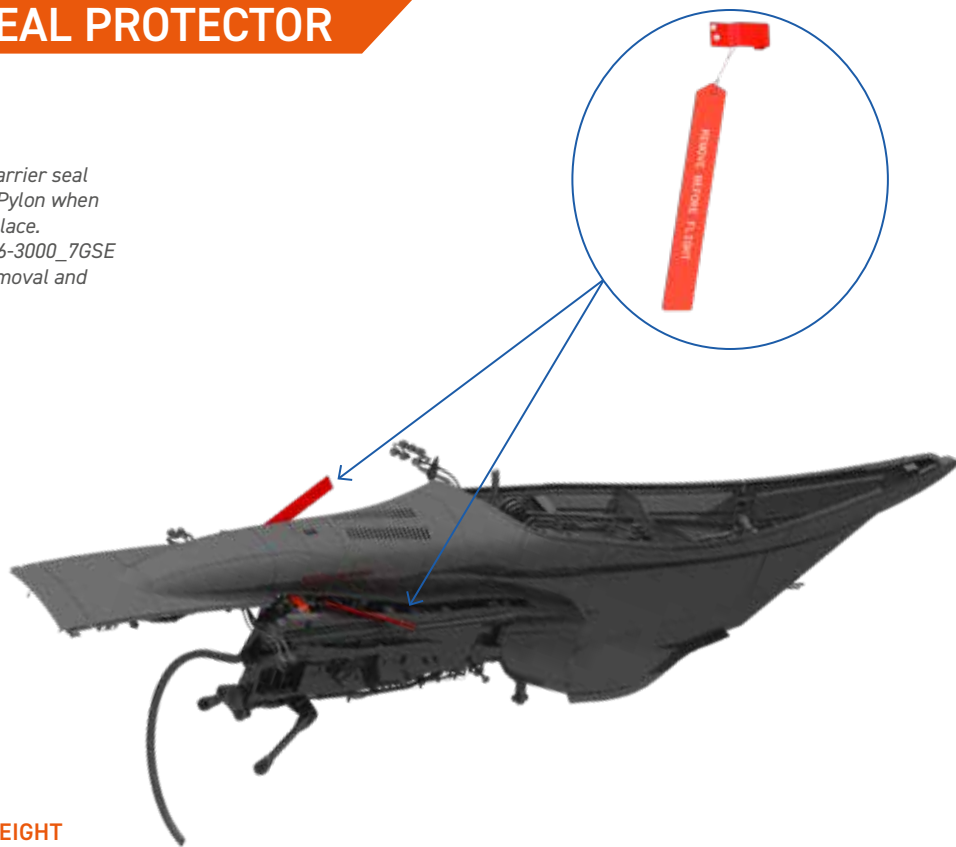




THRUST REVERSER VAPOR BARRIER SEAL PROTECTOR

DESCRIPTION – USE

This tool is used to protect the vapor barrier seal (LH & RH) from being damaged by the Pylon when Hinge Access Panels (HAP) are not in place. This tool is used in conjunction with 636-3000_7GSE & 636-3000_10GSE for Engine drop/removal and Thrust Reverser installation/removal.



DIMENSIONS
500 x 400 x 250 mm
[20 x 16 x 10 in]

WEIGHT
4 kg [9 lbs]

The pictures, measurements, and weights shall be used only as an indication.

15

636-3000-26GSE



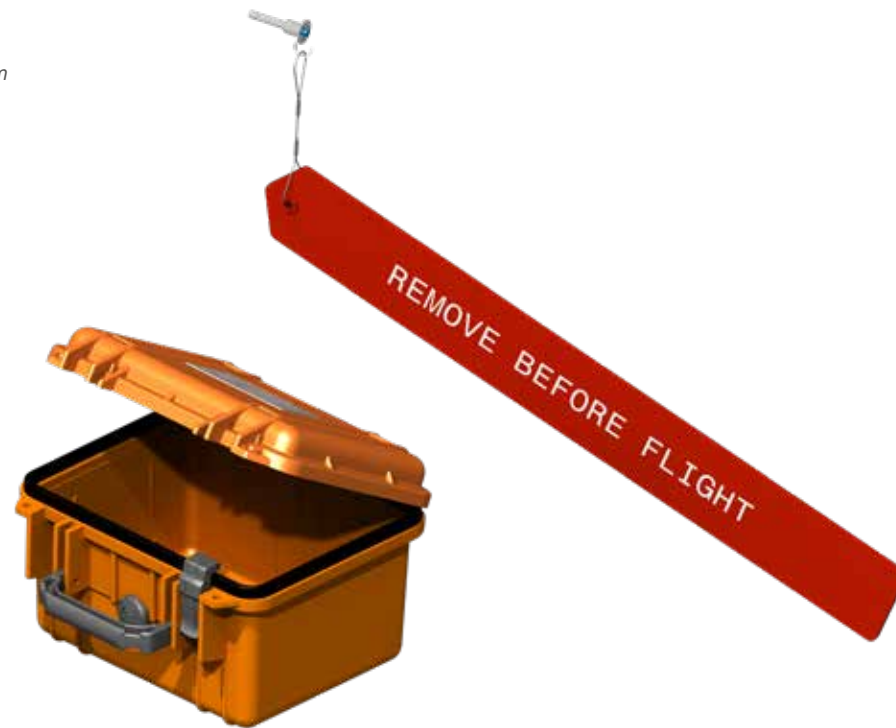
A320neo GSE TOOLS



THRUST REVERSER ACTUATOR PRIMARY LOCK PIN

DESCRIPTION – USE

This tool is used to pin the Track Lock Mechanism in the "locked" or the "unlocked" position.



DIMENSIONS
600 x 400 x 200 mm
[24 x 16 x 8 in]

WEIGHT
3 kg [7 lbs]

The pictures, measurements, and weights shall be used only as an indication.

16

636-3000-28GSE

A320neo GSE TOOLS



TRANSLATING SLEEVE

⚙️ DESCRIPTION – USE

This tool is used to remove translating sleeve after Thrust Reverser is removed from wing.

⚠️ CAUTION

This Sling is a lifting tool and it's the only tool validated to lift the A320neo Translating Sleeve. If the Translating Sleeve is lifted with another tool, and there is damage, insurance may not cover the damage.

✓ TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.



✚ DIMENSIONS

1000 x 500 x 400 mm
[40 x 20 x 16 in]

⚖️ WEIGHT

40 kg [89 lbs]

The pictures, measurements, and weights shall be used only as an indication.

17

636-3501-34GSE



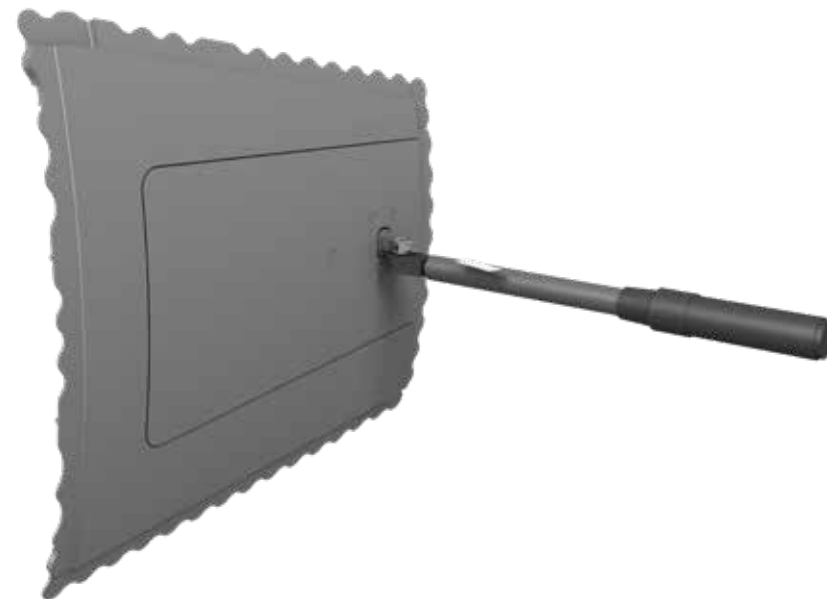
A320neo GSE TOOLS



LATCH PRESSURE TESTER

⚙️ DESCRIPTION – USE

This tool is used to verify the latch tension is set correctly and to release at a predetermined load.



✚ DIMENSIONS

350 x 200 x 200 mm
[14 x 8 x 8 in]

⚖️ WEIGHT

1 kg [3 lbs]

The pictures, measurements, and weights shall be used only as an indication.

18

636-3000-35GSE



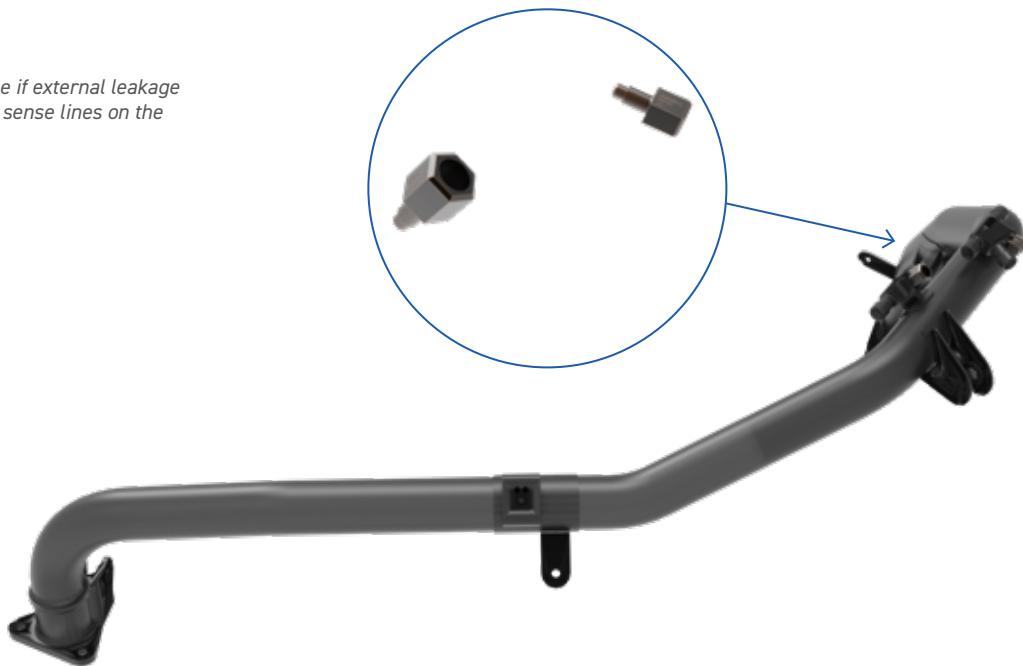
A320neo GSE TOOLS



NAI SENSE LINE FITTING GSE

⚙️ DESCRIPTION – USE

This Tool is used to determine if external leakage is present at EBU pneumatic sense lines on the PW1100G engine.



✚️ **DIMENSIONS**
350 x 200 x 200 mm
[14 x 8 x 8 in]

⚖️ **WEIGHT**
1 kg [3 lbs]

The pictures, measurements, and weights shall be used only as an indication.

19

636GSE9014-901



A320neo GSE TOOLS



FAN COWL HANDLING SLING

⚙️ DESCRIPTION – USE

This tool is used to lift and rotate the A320neo Fan Cowl door from the staging platform into aircraft orientation. The tool is suitable for LH and RH use.

⚠️ CAUTION

This Sling is a lifting tool and it's the only tool validated to lift the A320neo Fan Cowl. If the Fan Cowl is lifted with another tool, and there is damage, insurance may not cover the damage.

✓ TEST

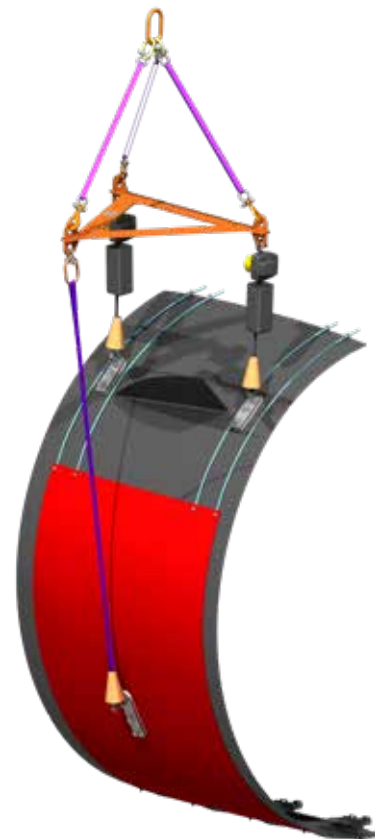
Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.

✚️ **DIMENSIONS**
1500 x 1400 x 600 mm
[60 x 56 x 24 in]

⚖️ **WEIGHT**
115 kg [254 lbs]

The pictures, measurements, and weights shall be used only as an indication.

20



636-2000-17GSE



A320neo GSE TOOLS



FAN COWL DOLLY

DESCRIPTION – USE

This tool is used to locate and hold the LH & RH Fan Cowl assemblies at the edges for storage or local transportation.

CAUTION

After using the Fan Cowl Sling (-17GSE) to remove a Fan Cowl from the Engine, the Fan Cowl Dolly (-18GSE) is needed to move, store or do maintenance on the Fan Cowl.



DIMENSIONS

3400 x 1900 x 1300 mm
[134 x 75 x 52 in]

WEIGHT

350 kg [772 lbs]

The pictures, measurements, and weights shall be used only as an indication.

21

636-2000-18GSE



A320neo GSE TOOLS



FAN COWL HINGE BOLT THREAD PROTECTORS

DESCRIPTION – USE

This tool is used to protect the thread of the Fan Cowl hinge beam bolts and bushings during bolts installation and removal.



DIMENSIONS

500 x 400 x 300 mm
[20 x 16 x 12 in]

WEIGHT

6 kg [14 lbs]

The pictures, measurements, and weights shall be used only as an indication.

22

636-2000-19GSE



A320neo GSE TOOLS



EXHAUST NOZZLE I/R LIFTING AID

⚙️ DESCRIPTION – USE

This tool is used to transport, hold and position the A320neo Exhaust Nozzle during installation. The tool is suitable for both right- and left-handed use.

⚠️ CAUTION

This Aid is a lifting tool and it is the only tool validated to lift the A320neo Nozzle. If the Nozzle is lifted with another tool, and there is damage, the insurance may not cover that damage.

✅ TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.

✚ DIMENSIONS

1600 x 1100 x 1300 mm
[63 x 44 x 52 in]

⚖️ WEIGHT

200 kg [441 lbs]



The pictures, measurements, and weights shall be used only as an indication.

23

636-4250-21GSE



A320neo GSE TOOLS



EXHAUST DOLLY

⚙️ DESCRIPTION – USE

This tool is used for transportation and storage of FWD centerbody, AFT Center body and Exhaust Nozzle assy's.

✚ DIMENSIONS

1200 x 1100 x 1000 mm
[48 x 44 x 40 in]

⚖️ WEIGHT

225 kg [496 lbs]



The pictures, measurements, and weights shall be used only as an indication.

24

636-4000-22GSE

A320neo GSE TOOLS



EXHAUST EXIT AREA PLUG

⚙️ DESCRIPTION – USE

This tool is used to prevent foreign objects from entering open areas between Exhaust Nozzle and Exhaust Centre body during parking or mooring.

⚠️ CAUTION

Without the Exhaust Exit Area Plug, water, dust or wind can go inside the engine.

- > Water retention: accelerates corrosion.
- > Dust: the engine could be damaged during the ignition.
- > Wind: allows blade rotation which may cause damage.

The Engine warranty may be void if the Covers are not used properly under the required conditions and there is damage to the Engine.



✚️ **DIMENSIONS**
1000 x 500 x 450 mm
[40 x 20 x 18 in]

⚖️ **WEIGHT**
25 kg [56 lbs]

The pictures, measurements, and weights shall be used only as an indication.

25

636-4000-23GSE



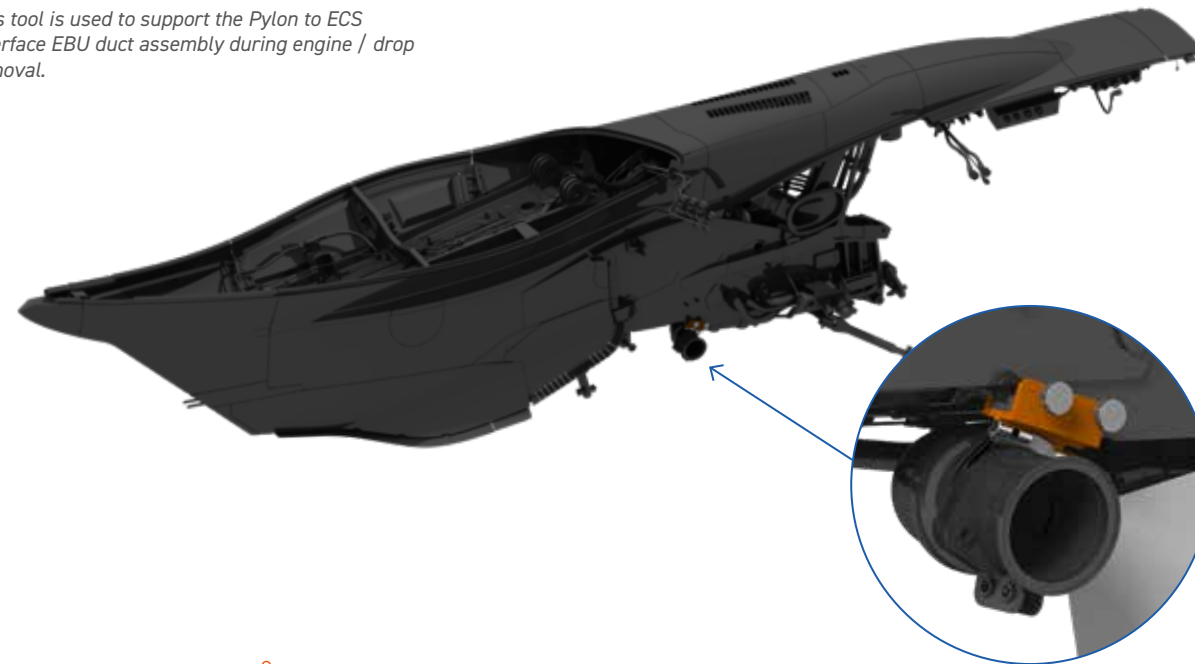
A320neo GSE TOOLS



PYLON ECS INTERFACE DUCT SUPPORT

⚙️ DESCRIPTION – USE

This tool is used to support the Pylon to ECS interface EBU duct assembly during engine / drop removal.



✚️ **DIMENSIONS**
500 x 300 x 300 mm
[20 x 12 x 12 in]

⚖️ **WEIGHT**
3 kg [7 lbs]

The pictures, measurements, and weights shall be used only as an indication.

26

636-1000-27GSE



A320neo GSE TOOLS



PW & CFM HOISTING DEVICE ENGINE MOUNT FWD

⚙️ DESCRIPTION – USE

This tool is used to ensure the removal and the installation of the Engine Mount FWD.

⚠️ CAUTION

This Aid is a lifting tool and it is the only tool validated to lift the A320neo Engine Mount. If the Engine Mount is lifted with another tool, and there is damage, the insurance may not cover the damage.

✓ TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.



✚️ **DIMENSIONS**
600 x 500 x 250 mm
[24 x 20 x 10 in]

⚖️ **WEIGHT**
16 kg [36 lbs]

The pictures, measurements, and weights shall be used only as an indication.

27

636-1000-29GSE



A320neo GSE TOOLS



PW & CFM HOISTING DEVICE ENGINE MOUNT AFT

⚙️ DESCRIPTION – USE

This tool is used to ensure the removal and the installation of the Engine Mount AFT.

⚠️ CAUTION

This Aid is a lifting tool and it is the only tool validated to lift the A320neo Engine Mount. If the Engine Mount is lifted with another tool, and there is damage, the insurance may not cover the damage.

✓ TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.



✚️ **DIMENSIONS**
800 x 600 x 400 mm
[32 x 24 x 16 in]

⚖️ **WEIGHT**
20 kg [45 lbs]

The pictures, measurements, and weights shall be used only as an indication.

28

636-1000-30GSE



A320neo GSE TOOLS



PW & CFM SUPPORT BEAM ENGINE MOUNTS

⚙️ DESCRIPTION – USE

This tool is used to prevent the displacement or vibration of the Engine Mounts during transportation.



⚡ **DIMENSIONS**
1000 x 400 x 250 mm
[40 x 16 x 10 in]

⚖️ **WEIGHT**
20 kg [45 lbs]

The pictures, measurements, and weights shall be used only as an indication.

29

636-1000-31GSE



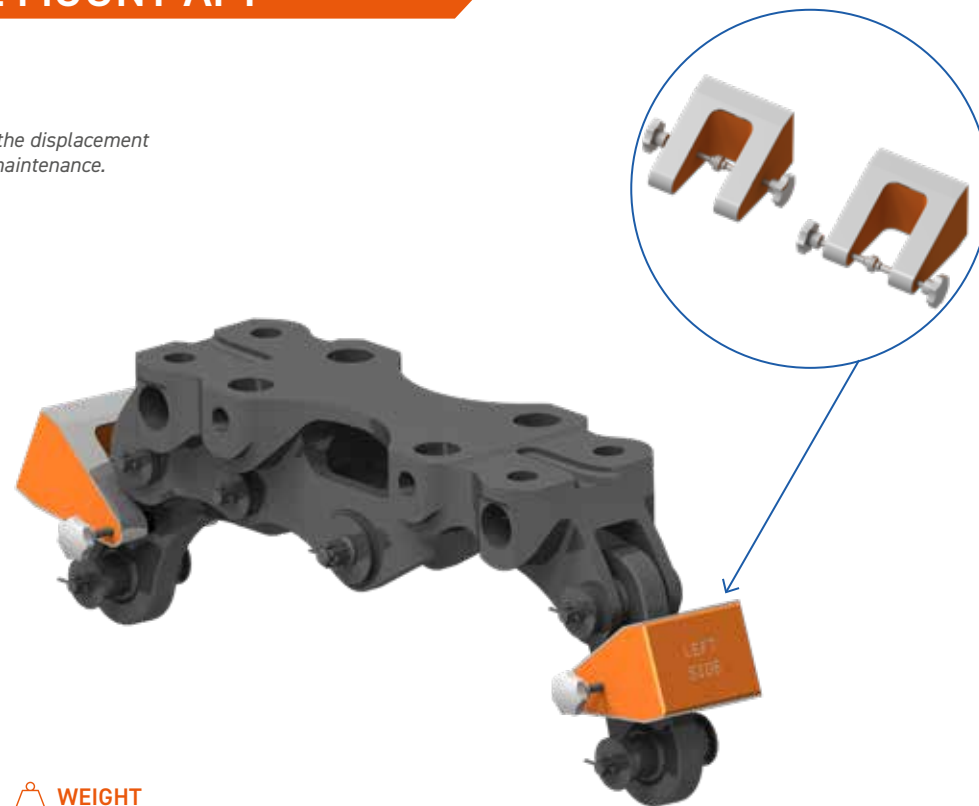
A320neo GSE TOOLS



PW & CFM BLOCKING DEVICE ENGINE MOUNT AFT

⚙️ DESCRIPTION – USE

These tools are used to block the displacement of the Engine Mounts during maintenance.



⚡ **DIMENSIONS**
500 x 500 x 500 mm
[20 x 20 x 20 in]

⚖️ **WEIGHT**
3 kg [7 lbs]

The pictures, measurements, and weights shall be used only as an indication.

30

636-1000-32GSE



A320neo GSE TOOLS



PW & CFM PIN EXTRACTOR ENGINE MOUNT AFT

DESCRIPTION – USE

This tool is used to extract the AFT Engine Mount pin.



DIMENSIONS
400 x 400 x 400 mm
[20 x 20 x 20 in]

WEIGHT
4 kg [9 lbs]

The pictures, measurements, and weights shall be used only as an indication.

31

636-1000-33GSE



A320neo GSE TOOLS



PW1100 ENGINE STAND

DESCRIPTION – USE

This tool is used to transport the PW1100 for A320neo family. The trolley is used for installation/removal tasks with Bootstrap. The PW1100 stand is designed to do the transportation in the airbus A330F.

TEST

Dedienne Aerospace has regional facilities to aid in the required annual testing and recertification.



DIMENSIONS
3930 x 2430 x 1680 mm
[155 x 96 x 67 in]

WEIGHT
2569 kg [5,663 lbs]

The pictures, measurements, and weights shall be used only as an indication.

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D71STA00022G03

A320neo GSE TOOLS



- Production & service center
- Service center
- Sales office

SALES & TECHNICAL SUPPORT

PROGRAM MANAGEMENT		
01 NORTH & SOUTH AMERICAS	sales.americas@dedienne-aero.com	support.americas@dedienne-aero.com
02 EUROPE	sales.europe@dedienne-aero.com	support.europe@dedienne-aero.com
03 MIDDLE EAST & AFRICA	sales.mea@dedienne-aero.com	support.mea@dedienne-aero.com
04 INDIA	sales.india@dedienne-aero.com	support.india@dedienne-aero.com
05 SINGAPORE & ASIA PACIFIC	sales.sea@dedienne-aero.com	support.sea@dedienne-aero.com
06 CHINA	sales.cn@dedienne-aero.com	support.cn@dedienne-aero.com

PRODUCTION FACILITIES & SERVICE CENTERS

AMERICAS	USA MIAMI ■ 2500 NW 74. Ave Miami – FL 33122 +1 305 716 83 00	USA CINCINNATI △ 4330 Batavia road Batavia – Ohio +1 513 658 75 45	MEXICO ■ Av. de las Fuentes No. 106 Int. 12 y 13 Col. Parque Industrial Bernardo Quintana C.p. 76246 El Marqués, Querétaro +52 442 824 35 57
	FRANCE TOULOUSE ■ ZAC de Saint-Martin 5, rue Gaye Marie 31300 – Toulouse +33 5 61 06 77 79	FRANCE PARIS △ Aérodrome Paris-Villaroche, Zone Nord, bâtiment A08 77950 – Montereau-Sur-Le-Jard +33 6 28 10 76 79	UNITED KINGDOM △ Unit 28 Eagle Park – Alfreton Road Derby, Derbyshire DE21 4AE +44 133 261 38 28
EUROPE	IRELAND △ 9/10 Beechpark Logistics Smithstown, Shannon Co.Clare +35 38 606 728 98	GERMANY △ Schützenwall 37-41 22844 Norderstedt +49 40 66 89 29 72	
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MIDDLE EAST & AFRICA			
ASIA PACIFIC	SINGAPORE ■ 1 Seletar Aerospace Lane Singapore 797435 +65 62 62 59 79	INDIA ■ Regus, Beech E-1, Manyata Embassy Business Park, Outer Ring Road, Nagavara, Bengaluru – 560045 +91 82 17 588 075	
	CHINA ■ N°5 Jinliang Road Hongqi town – Jinwan Zone 519090 Zhuhai City Guangdong +86 756 893 6510	HONG KONG △ 806 Capitol Centre 5-19 Jardine's Bazaar Causeway Bay +86 756 893 6510	
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