



OEM-APPROVED GSE & TOOLING FOR GENx ENGINES

*A global leader in the original design, development,
and manufacture of engine handling solutions:*

CLICK BELOW TO JUMP TO:

- Shipping Stands
- Fan Stator Shipping Stands
- Ground Handling & Shipping Accessories
- Protective Covers
- Lifting Slings
- Shipping Containers
- Site Transport
- Fan Tooling
- Pedestal Sets

Approved by



Licensed for the following
GENx variants:

ENGINE MODEL	AIRCRAFT APPLICATION(S)
GENx-1B	Boeing 787
GENx-2B	Boeing 747-8



*GENx-1B Roll-Over
Shipping Stand*

Engine OEM P/N: 11C3359
AGSE P/N: AGSE-E184



Lifting Sling Supporting a Roll-Over Shipping Stand

Engine OEM P/N: 11C4484
AGSE P/N: AGSE-L038



GENx-1B Fan Case Transfer Dolly

Engine OEM P/N: 11C4490
AGSE P/N: AGSE-E177

CLICK ON ANY IMAGE OR PART NUMBER FOR MORE PRODUCT INFORMATION!



OEM-APPROVED FOR GENx ENGINES SHIPPING STAND FEATURES

SAFE & ERGONOMIC | DESIGNED, MANUFACTURED & TESTED IN-HOUSE
HIGHLY DURABLE | LOW PROFILE & VERSATILE
LOWEST TOTAL COST OF OWNERSHIP | SHORTEST LEAD TIMES

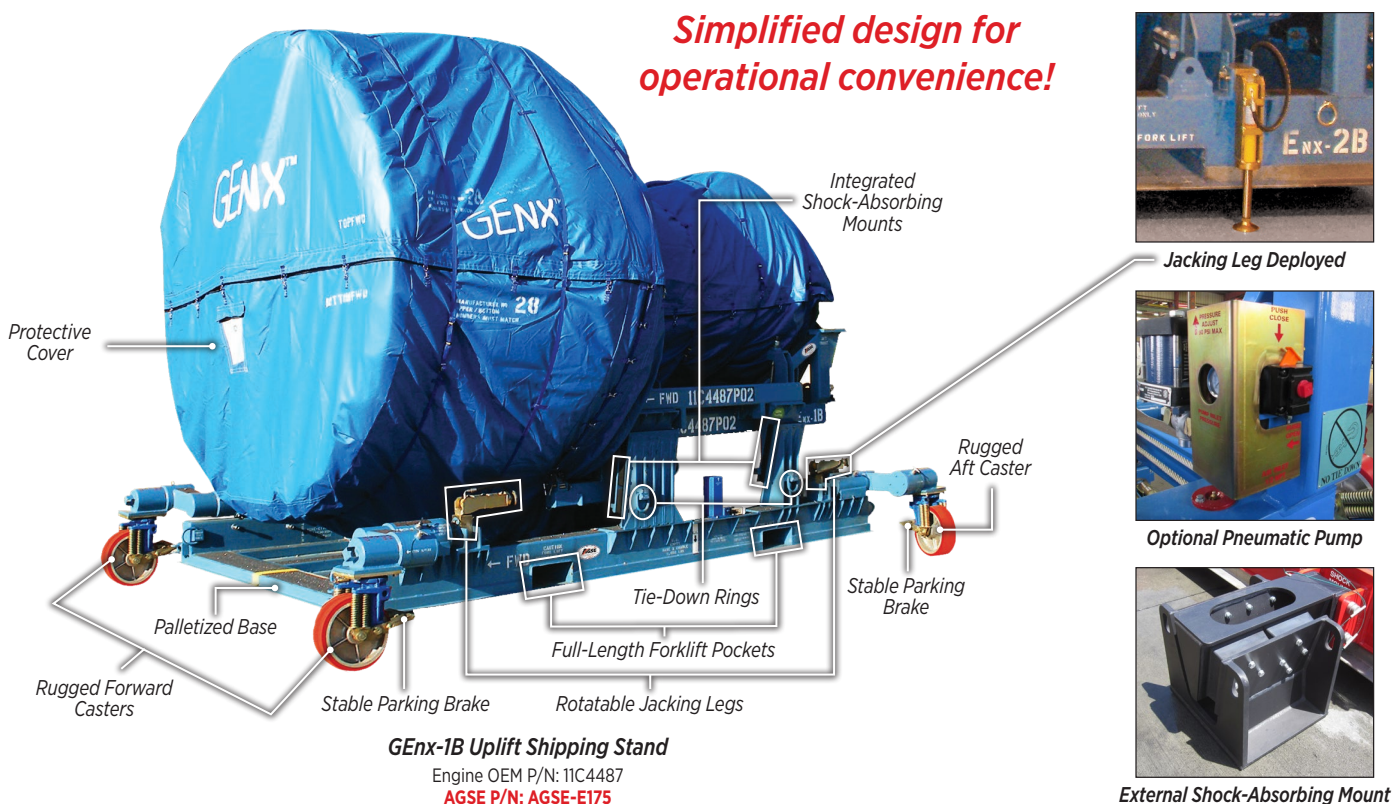
**Airlines, aircraft hangars, and engine shops have trusted
our reliable & rugged Shipping Stands for decades!**

All Stands:

- Safely Transport & Store propulsors or full engines*
- Include Tie-Down Rings for secure retainment during long-distance transport
- Contain Forklift Pockets for convenient site transport

Features on Select Models:

- Roll-Over designs to achieve minimum "low profile" dimensions for passing through aircraft side cargo door
- External Shock-Absorbing Mounts for truck transport
- Uplift or Vertical Adjustment to increase sway space or facilitate fan mating & separation procedures
- Optional Air-Operated Pneumatic Pump (-PPK) to prevent physical exertion
- Supports On-Wing Engine Removal & Installation through bootstrapping or alternate methods
- Integrated Shock-Absorbing Mounts to reduce vibrations for engine protection during transport
- Jacking Legs to raise the base off the ground without the need for a forklift or overhead lifting device to support:
 - Fan Case installation & removal
 - Caster deployment & stowage
- Stacking Spacers to minimize empty multi-stand shipping or storage volume



**Simplified design for
operational convenience!**

Protective
Cover

Palletized Base

Rugged Forward
Casters

Stable Parking Brake

Rotatable Jacking Legs

Tie-Down Rings

Full-Length Forklift Pockets

Stable Parking
Brake

Rugged
Aft Caster

Integrated
Shock-Absorbing
Mounts



Jacking Leg Deployed



Optional Pneumatic Pump



External Shock-Absorbing Mount

*AGSE Shipping Stands are designed and built in compliance with the specifications and requirements of the engine's equipment manufacturer (OEM). The customer is solely responsible for selecting the appropriate packaging based on all information, including the specific application, regulatory compliances, product compatibility, shipping requirements, and documentation issued by the Engine OEM. Any AGSE-referenced shipping information presented in this product literature or other AGSE documentation is for general guidance only. It should be considered a partial set of shipping requirements that can alter, satisfy, or influence regulatory and engine OEM shipping requirements. The content found in AGSE marketing materials and other documentation is subject to change; AGSE accepts no liability for loss or damage resulting from changes, errors, omissions, or misinterpretations of these AGSE publications.

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OEM-APPROVED FOR GENx ENGINES SHIPPING STANDS

● = Available Feature

SHIPPING STANDS BY PART NUMBER*

PART NUMBER:	Engine OEM AGSE	ENGINE(S) ACCOMMODATED	TRANSPORTABILITY				ROLL-OVER	UPLIFT	BOOTSTRAP CAPABLE	INTEGRATED SHOCK MOUNTS	JACKING LEGS	PALLETIZED BASE	STACKING SPACERS	LEASE OPTION		
			AIR		TRUCK										SITE	
			PROPULSOR	FULL ENGINE	PROPULSOR	FULL ENGINE									PROPULSOR	FULL ENGINE
11C3359 AGSE-E184		GENx-1B	Boeing 747, 767 & 777		●	●	●	●	●		●	●				
11C4319 AGSE-E215		GENx-2B														
11C4487 AGSE-E175		GENx-1B	Boeing 747, 767 & 777 Douglas DC-10 & MD-11	Specialized Freighter Only†	●	●†	●	●		●	●	●	●	★		
11C4300 AGSE-E175		GENx-2B														
11C3443 AGSE-E176		GENx-1B			●	●	●	●		●	●					
11C4349 AGSE-E176		GENx-2B														
11C4678 AGSE-E257		GENx-1B	Boeing 747, 767 & 777 Douglas DC-10 & MD-11		●		●			●						
		GENx-2B														
9446M34P01 AGSE-E196		GENx-1B			●		●			●			●			
		GENx-2B														

A Shipping Stand comprises a Cradle & Base.

†Without the Inlet Cowl

★ Available through our Leasing Cooperation with  Click to learn more.

GEnx-2B Uplift Shipping Stand

Engine OEM P/N: 11C4300

AGSE P/N: AGSE-E175



GEnx-1B Roll-Over Shipping Stand on a Boeing 777 Aircraft

Engine OEM P/N: 11C3359

AGSE P/N: AGSE-E184

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OEM-APPROVED FOR GENx ENGINES FAN STATOR SHIPPING STANDS

Safe and efficient handling solutions for fan stators!*

All Stands Include:

- Manual Pumps for:
 - Vertical adjustment to expedite fan installation & removal
 - 90-degree rotation to air or truck shipping positions
- Palletized Bases compatible with aircraft cargo loading systems
- Rollers to allow multiple shipping positions for improved loading on or removal from aircraft
- Shipping Braces for Center Support Frame reinforcement to the Main Base Frame
- Folding Side Guide Bars to center the stand in the Boeing 747 main deck cargo doors
- Tie-Down Rings for secure retainment during truck transport
- Forklift Pockets for convenient site transport
- Hoist Rings to interface with overhead lifting devices for 90° rotation
- Loose Hardware Storage Containers

Features on Select Models:

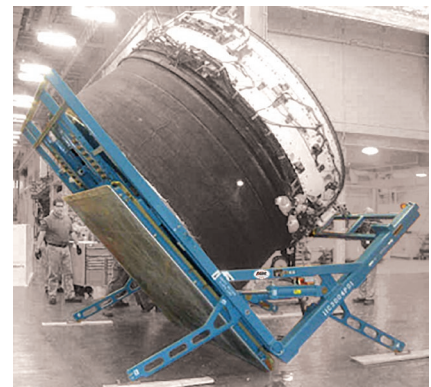
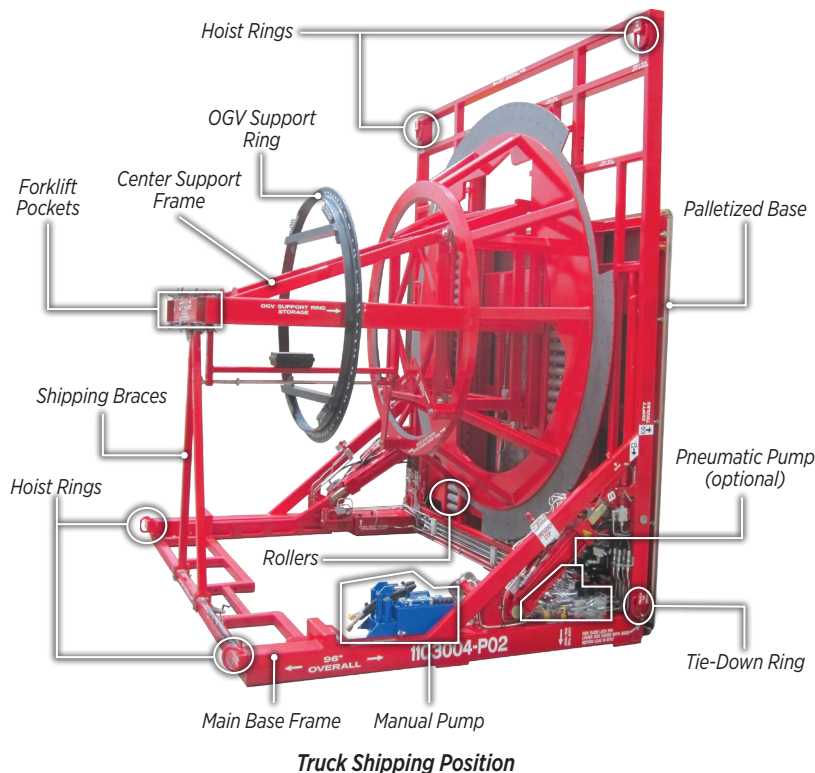
- An Air-Operated Pneumatic Pump (-PPK) prevents physical exertion during:
 - Vertical adjustment to expedite fan installation & removal
 - 90-degree rotation to air or truck shipping positions

● = Available Feature

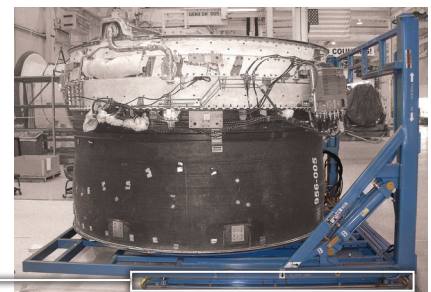
FAN STATOR SHIPPING STANDS BY PART NUMBER*

PART NUMBER:	Engine OEM AGSE	FAN STATORS ACCOMMODATED	CAPABLE OF TRANSPORT ON FREIGHTER AIRCRAFT*	PNEUMATIC PUMP (-PPK)	USED WITH OTHER FAN CASE EQUIPMENT:		
					PROTECTIVE COVERS	TRANSFER DOLLIES	FORWARD SUPPORT RING
11C3004 AGSE-C069		GENx-1B	Boeing 747, 767 & 777, Douglas DC-10 & MD-11	●	11C3409	11C4490	11C4486
		GENx-2B					
11C4572 AGSE-C084		GENx-1B	Boeing 747, 767 & 777, Douglas DC-10 & MD-11		11C3409	11C4490	
		GENx-2B					

Versatility from top to bottom!



In Mid-Rotation on Pivot Legs



Air or Wide Load Truck Shipping Position

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OEM-APPROVED FOR GENx ENGINES GROUND HANDLING & SHIPPING ACCESSORIES

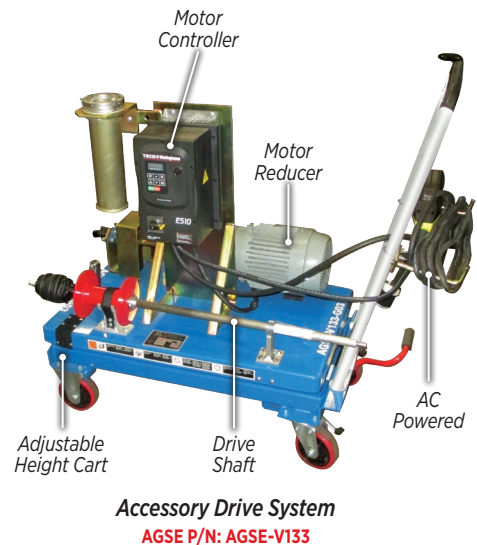
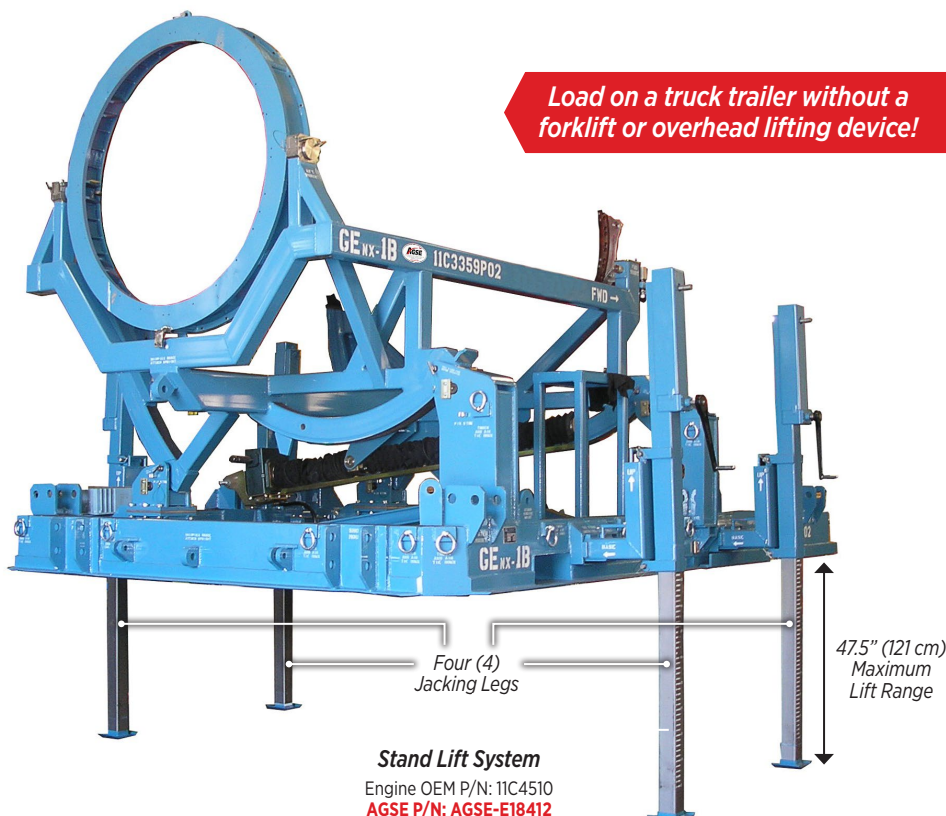
Improve safety & productivity!

● = Available Feature

GROUND HANDLING & SHIPPING ACCESSORIES

PART NUMBER:	Engine OEM AGSE	ENGINE(S) ACCOMMODATED	ACCESSORY DRIVE SYSTEM	TOOL TYPE					USED WITH OTHER EQUIPMENT						OTHER ENGINES ACCOMMODATED
				ADAPTERS		BRACKET SETS		FWD FAN CASE SUPPORT RING	STAND LIFT SYSTEM	SHIPPING STANDS		LIFTING SLINGS	SHIPPING CONTAINERS	SITE TRANSPORT	
				ENGINE IN PEDESTALS	OVERHEAD SUPPORT	AFT FAN CASE	FWD PROPULSOR								ENGINE
AGSE-V133	GENx-1B	●								11C3359					
	GENx-2B									11C4319					
11C3039	GENx-1B						●			11C3443, 11C4487		11C4323, 11C4640, 11C4648			11C3281
11C4347	GENx-2B							●		11C4300				11C4348	11C4251
11C4430	GENx-2B						●			11C4300, 11C4319, 11C4349		11C4323, 11C4647, 11C4648			11C4251
11C4486	GENx-1B							●			11C3004				11C3281
11C4495 AGSE-V087	GENx-1B					●				11C3443 ^{††} , 11C4487 ^{††}				11C4490	11C3281
11C4510 AGSE-E18412	GENx-1B								●	11C3359, 11C3443, 11C4487			11C3417		
	GENx-2B									11C4300, 11C4319			11C4467		
11C4628	GENx-1B						●			11C3443, 11C4487		11C4323, 11C4640, 11C4648			11C3281
	GENx-2B									11C4300, 11C4349		11C4323, 11C4647, 11C4648			11C4251
11C4652	GENx-1B	●													11C3281
	GENx-2B														11C4251

††Standard Accessory on Engine Shipping Stand.



Automates Cradle rotation to achieve minimum Shipping Stand dimensions!

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OEM-APPROVED FOR GENx ENGINES PROTECTIVE COVERS, LIFTING SLINGS & SHIPPING CONTAINERS

● = Available Feature

PROTECTIVE COVERS

Lasting protection against dirt, water, and contamination!

PART NUMBER: Engine OEM	ENGINE(S) ACCOMMODATED	SAFEGUARDS:			USED WITH OTHER EQUIPMENT		SITE TRANSPORT
		FULL ENGINE	PROPULSOR	FAN CASE	ENGINE	FAN STATOR	
11C3061	GENx-1B	●			11C3443, 11C4487		AGSE-E195
11C3210	GENx-1B		●		9446M34, 11C3443, 11C4487		AGSE-E195
11C3409	GENx-1B			●		11C3004, 11C4572	
	GENx-2B						
11C4388	GENx-2B	●			11C4300, 11C4349		AGSE-E195
11C4389	GENx-2B		●		11C4300, 11C4349		9446M34, AGSE-E195
11C4499	GENx-2B	●			11C4319		
11C4500	GENx-1B	●			11C3359		

LIFTING SLINGS

Stable and versatile overhead support for horizontal build-up or Shipping Stand transfer!

PART NUMBER: Engine OEM AGSE	ENGINE(S) ACCOMMODATED	USED WITH OTHER EQUIPMENT		MAXIMUM LOAD CAPACITY	CENTER OF GRAVITY ADJUSTMENT FEATURE	TWO (2) BEAMS	FORKLIFT POCKETS	TELESCOPING ADJUSTMENT TOOL	OTHER ENGINES ACCOMMODATED
		SHIPPING STANDS	FWD PROPULSOR BRACKET SETS						
11C4542 AGSE-L033	GENx-1B	11C3359, 11C4487		44,000 lbs 19,958 kg		●			
	GENx-2B	11C4300, 11C4319							
11C4484 AGSE-L038	GENx-1B	11C3443, 11C3359, 11C4487		32,000 lbs 14,515 kg	Lifting Ring, Aft Cables		●	●	Trent
	GENx-2B	11C4300, 11C4319, 11C4349							
11C4648 AGSE-L043-G03	GENx-1B		11C3039, 11C4628	25,000 lbs 11,340 kg	Lifting Ring, Forward Turnbuckles		●	●	
	GENx-2B		11C4430, 11C4628						
11C4640 AGSE-L043-G01	GENx-1B		11C3039, 11C4628	25,000 lbs 11,340 kg	Lifting Ring, Forward Turnbuckles		●	●	
11C4647 AGSE-L043-G02	GENx-2B		11C4430, 11C4628						
11C4323	GENx-1B		11C3039, 11C4628	16,000 lbs 7,257 kg	Lifting Ring			●	
	GENx-2B		11C4430, 11C4628						

SHIPPING CONTAINERS

Fully enclosed to shield major modules against contamination & damage!

PART NUMBER: <small>Engine OEM</small> <small>AGSE</small>	ENGINE(S) ACCOMMODATED	PROTECTS:														USED WITH ENGINE SHIPPING STANDS		
		ENGINE SHIPPING STAND ACCESSORIES					SPLIT ENGINE COMPONENTS									FOR SPLIT SHIPMENT & STORAGE	WHEN EMPTY	
		CASTERS	EXTERNAL SHOCK MOUNTS	LIFT SYSTEM	STEERING BARS	TOW BAR	AIR & OIL TUBES	ANTI-ICE DUCT	BIFURCATION	BLANK-OFF PANELS	CORE	EMU	FAN CASE	FLIGHT MOUNT	RATING PLUG			WIRE BRACKETS
11C3405 AGSE-C071	GENx-1B							●	●	●			●	●				
11C3417 AGSE-C108	GENx-1B		●				●	●		●		●			●	●	11C3359	
11C4306 AGSE-C083	GENx-2B								●	●			●	●				
11C4467 AGSE-C082	GENx-2B	●	●	●	●	●											11C4319	
11C4683 AGSE-C119	GENx-1B											●						
	GENx-2B																	

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OEM-APPROVED FOR GENx ENGINES SITE TRANSPORT & FAN TOOLING

● = Available Feature

ENGINE & FAN CASE DOLLIES

Exceptional transport within a facility or between local sites!

PART NUMBER: Engine OEM AGSE	ACCOMMODATES:				USED WITH OTHER EQUIPMENT				PNEUMATIC TIRES	JACKING LEGS	TOW BAR	MANUAL MOVEMENT ONLY	WHEN EMPTY		SHIPPING CONTAINER
	ENGINE(S)	FULL ENGINE	PROPULSOR	FAN CASE	SHIPPING STANDS ENGINE	FAN STATOR	BRACKET SETS	SUPPORT RINGS					DISASSEMBLES	FOLDS	
9446M34P02 AGSE-E197-G02	GENx-1B		●		9446M34P01, 11C4678				●		●		●		
	GENx-2B														
9446M34P03 AGSE-E197-G01	GENx-1B		●		9446M34P01, 11C4678						●		●		
	GENx-2B														
AGSE-E195	GENx-1B	●	●						●		●				
	GENx-2B														
11C4490 AGSE-E177	GENx-1B			●	11C3443, 11C4487	11C3004, 11C4572	11C4495			●		●		●	●
11C4348 AGSE-E177	GENx-2B			●	11C4300, 11C4349	11C3004, 11C4572		11C4347		●		●		●	●

INLET COWL DOLLIES

Firmly secures cowl during transport within a facility or between local sites!

PART NUMBER: AGSE	ACCOMMODATES AIRCRAFT	RETAINED BY:		JACKING LEGS	MANUAL MOVEMENT ONLY	FOLDS WHEN EMPTY	OTHER AIRCRAFT ACCOMMODATED
		TURNBUCKLES	STRAPS				
AM-2764	Boeing 747-8	●	●	●	●	●	Boeing 777
	Boeing 787						

FAN TOOLING

Improve safety & productivity during fan maintenance!

PART NUMBER: Engine OEM	ACCOMMODATES:									TOOL TYPE							USED WITH OTHER EQUIPMENT	
	ENGINE(S)	ACOUSTIC LINERS	BLADES	BLADE SPACERS	BOOSTER	CASE	HUB FRAME	OGV	QEC BOLTS	GUIDE PIN SET	PERSONNEL STAND	PROTECTOR	PULLER		RUNOUT MEASUREMENT FIXTURE	TAPER GAGE	PERSONNEL STAND	PROTECTOR
11C3083	GENx-1B				●							●						
11C3272	GENx-1B						●	●		●								
	GENx-2B																	
11C3323	GENx-1B			●									●					
	GENx-2B																	
11C3331	GENx-1B	●										●						
11C3398	GENx-1B			●										●				
	GENx-2B																	
11C3403	GENx-1B		●			●											●	
	GENx-2B																	
11C3406	GENx-1B					●									●			
11C4307	GENx-2B					●									●			
11C4382	GENx-2B				●							●						
11C4397	GENx-2B	●										●						
11C4514	GENx-1B					●						●					11C4616	
	GENx-2B																	
11C4616	GENx-1B	●							●		●							11C4514
	GENx-2B																	

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OEM-APPROVED FOR GENx ENGINES PEDESTAL SETS

Support various engine build stages while maintaining ergonomically efficient centerline heights!

● = Available Feature

GENX-1B PEDESTAL SETS

PART NUMBER: Engine OEM	MODULE SUPPORTED	PER MODULE		ENGINE BUILD STAGES								USED WITH OTHER EQUIPMENT		
		NO. OF PEDESTALS	MAXIMUM LOAD CAPACITY	FULL ENGINE		ENGINE WITHOUT LPT		CORE MODULE WITH LPT	CORE MODULE WITHOUT LPT		FAN	ADAPTERS	BRACKET SETS	SUPPORT RINGS
				OPTION 1	OPTION 2	OPTION 1	OPTION 2		OPTION 1	OPTION 2				
11C3281	Turbine Rear Frame	2	16,000 lbs 7,257 kg	●				●						
	Fan Hub Frame	2	10,000 lbs 4,536 kg	●	●	●		●	●			11C3039, 11C4628		
	Turbine Center Frame	2	8,000 lbs 3,629 kg		●	●			●					
	FWD Fan Case	2	10,000 lbs 4,536 kg	●	●	●	●			●			11C4486	
	Aft Fan Case	2	10,000 lbs 4,536 kg				●			●		11C4495		
	Does Not Support a Specific Module	2	6,600 lbs 2,994 kg				●			●		11C4652		

GENX-2B PEDESTAL SETS

PART NUMBER: Engine OEM	MODULE SUPPORTED	PER MODULE		ENGINE BUILD STAGES												USED WITH OTHER EQUIPMENT			
		NO. OF PEDESTALS	MAXIMUM LOAD CAPACITY	FULL ENGINE						ENGINE WITHOUT LPT		CORE MODULE WITH LPT	CORE MODULE WITHOUT LPT			FAN	ADAPTERS	BRACKET SETS	SUPPORT RINGS
				OPT. 1	OPT. 2	OPT. 3	OPT. 4	OPT. 5	OPT. 6	OPT. 1	OPT. 2		OPT. 1	OPT. 2	OPT. 3				
11C4251	Turbine Rear Frame	2	8,000 lbs 3,629 kg	●	●	●	●					●							
	Fan Hub Frame	2	10,000 lbs 4,536 kg	●		●		●		●		●	●	●	●			11C4430, 11C4628	
	Turbine Center Frame	2	8,000 lbs 3,629 kg					●	●	●			●	●					
	FWD Fan Case	2	10,000 lbs 4,536 kg	●	●			●	●	●	●		●			●			11C4347
	Aft Fan Case	2	10,000 lbs 4,536 kg		●		●		●		●					●			
	Does Not Support a Specific Module	2	6,600 lbs 2,994 kg								●				●		11C4652		



GENx-1B Forward Fan Case Pedestal Set



GENx-2B Fan Hub Frame Pedestals

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