

GenForce APU

Detailed QC Inspection Worksheet / Torque Specifications

DPS Dealer:			
License Plate/Truck#:		Date:	Customer:
Tech:	Driver:	APU Serial Number:	
Year:	Make:	HVAC Serial:	
Model:	VIN:	Truck#:	Fleet
Customer Email:	Customer Phone: () -		
Customer Address:			

Item	Spec	Check	Notes
FLUID CHECK			
Engine oil (1.0 gal SAE 15w40)	15w40	<input type="checkbox"/>	
Coolant (Universal) Level (Above upper resevoir hose)	50/50	<input type="checkbox"/>	
BELT TENSION			
AC Generator Belt	90~110 lbs	<input style="width: 50px; height: 15px;" type="text"/>	
DC Alternator Belt	40lbs	<input style="width: 50px; height: 15px;" type="text"/>	
GENERAL FLUID LEAK INSPECTION			
Fuel Lines, Fuel Filter, Banjo Bolts, Clamps, Gaskets	Hand	<input type="checkbox"/>	
Coolant Hoses, Oil Filter	Hand	<input type="checkbox"/>	
COOLING SYSTEM PREPERATION			
Compressor is pre-oiled (Add) Oil in dryer (oz)	0.5 oz	<input style="width: 50px; height: 15px;" type="text"/>	
Vacuum System (New System), Stand for 10min, check leaks	45 min	<input style="width: 50px; height: 15px;" type="text"/>	
HFC R-134A charge to system (oz)	60.0	<input style="width: 50px; height: 15px;" type="text"/>	
High Side Pressure (Psi)	115~290	<input style="width: 50px; height: 15px;" type="text"/>	
Low Side Pressure (Psi) +/-5 psi	20~40	<input style="width: 50px; height: 15px;" type="text"/>	
Leak Check (Visual and Sound)		<input type="checkbox"/>	
INITIAL APU START UP			
Cooling system bleed (until purged)		<input type="checkbox"/>	
APU engine temperature deg F	<212	<input style="width: 50px; height: 15px;" type="text"/>	
Ambient Temperature deg F	Deg F	<input style="width: 50px; height: 15px;" type="text"/>	
HVAC TEST			
Fan Test Low Speed	5 times	<input type="checkbox"/>	
Fan Test High Speed	5 times	<input type="checkbox"/>	
Air Conditioner Test Low Speed	5 times	<input type="checkbox"/>	
Air Conditioner Test High Speed	5 times	<input type="checkbox"/>	
APU temp during Air Conditioner Test	Deg F	<input style="width: 50px; height: 15px;" type="text"/>	
HVAC Duration Test (10 Hours)	5 times	<input type="checkbox"/>	
Heater Test Low Speed	5 times	<input type="checkbox"/>	
Heater Test High Speed	5 times	<input type="checkbox"/>	
AC Compressor Cycle Test	5 times	<input type="checkbox"/>	
AC OUTPUT			
118~128VAC@35amps	Voltage	<input style="width: 50px; height: 15px;" type="text"/>	
59-62hz	Hz	<input style="width: 50px; height: 15px;" type="text"/>	
13.5-14.5VDC	Voltage	<input style="width: 50px; height: 15px;" type="text"/>	
APU DURABILITY TEST			
Run APU for 20 hours (including HVAC durability test)	Hours	<input style="width: 50px; height: 15px;" type="text"/>	
FINAL INSPECTION			
Fuel System Check	Visual	<input type="checkbox"/>	
Fasteners/Mounting Hardware	Hand	<input type="checkbox"/>	
Battery Cables	Hand	<input type="checkbox"/>	
Coolant Hoses, Clamps	Hand	<input type="checkbox"/>	
DC Alternator Belt	40 lbs	<input style="width: 50px; height: 15px;" type="text"/>	
AC Alternator Belt	90~110 lbs	<input style="width: 50px; height: 15px;" type="text"/>	
High Side Pressure (Psi) appx 180 psi, less than 280	115~290	<input style="width: 50px; height: 15px;" type="text"/>	Installation Manager Verification
Low Side Pressure (Psi) +/-5 psi	20~40	<input style="width: 50px; height: 15px;" type="text"/>	x _____ Date: __/__/____
Coolant (Green) Level Check 50/50	Visual	<input type="checkbox"/>	Installation Tech
Oil and Filter Change 1.0 Gal SAE 15w40 @ 50 hours	15w40	<input type="checkbox"/>	x _____ Date: __/__/____

Oil Change at 50 hours is mandatory at customers cost, failure to perform **WILL VOID** warranty

Please fax a completed and signed copy to WPS (417) 831-0300, or email support@willisapu.com Attention: Service Manager