



# Military Capability Manual

**AAR Landing Gear Services (LGS)**  
FAA Repair Station No. VQ4R605M  
9371 NW 100 St.,  
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(786) 337-4000

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## Record of Revision

This manual is reviewed annually and revised as required to address changes in operating specifications customer requirements and authority requirements.

The release of revisions requires review and re-approval by Quality Assurance

Any revision to the documents will be identified with a vertical bar in the margin of the revised pages and noted in the List of Effective Pages and recorded in the Record of Revisions. In case of a major manual revision/rewrite, the vertical bar will not be required for the release of the manual

Revision	Revision date	By	Revision Description
IR	November 16, 2020	D.B	Initial Release



## 1 Introduction

### 1.1 COMPANY

AAR Landing Gear Services located at 9371 NW 100<sup>th</sup> Street in Miami, Florida - approximate 5 miles northwest of Miami International Airport - is an F.A.A. authorized repair station (VQ4R605M.) As such, AAR LGS is authorized to perform work as described herein.

### 1.2 CAPABILITY MANUAL

This manual describes the capabilities and specialized services for AAR Landing Gear Services. Only those components/accessories listed will be approved for return to service. Any component that is not covered under this Manual will not be approved for return to service until a self-evaluation is completed and the article is added to the capabilities list. Items included in the latest revision will be identified by a vertical bar to the left of the section. Any question regarding this Manual may be directed to:

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## 2 Military Capability List

### 2.1 KC135

Aircraft	Description	Part Number
KC-135	STRUT, LOWER SIDE	7430366-01
KC-135	UNIVERSAL ASSEMBLY, SIDE STRUT LOWER	9-55609-3
KC-135	UNIVERSAL ASSEMBLY, UPPER SIDE STRUT (LH)	9-60346-3
KC-135	UNIVERSAL ASSEMBLY, UPPER SIDE STRUT (RH)	9-60346-8
KC-135	STRUT ASSEMBLY, MAIN GEAR DRAG BRACE	50-9733-1
KC-135	ROD, MAIN GEAR BRAKE EQUALIZER	65-1266-2
KC-135	CYLINDER ASSEMBLY, NOSE WHEEL STEERING (LH)	5-86571-3
KC-135	CYLINDER ASSEMBLY, NOSE WHEEL STEERING (RH)	5-86571-4
KC-135	STRUT ASSEMBLY,UPPER SIDE (LH)	5-84011-27
KC-135	STRUT ASSEMBLY,UPPER SIDE (RH)	5-84011-28
KC-135	BOLT ASSEMBLY, MAIN GEAR TRUCK PIVOT	69-10852-2
KC-135	UNIVERSAL ASSEMBLY, SIDE STRUT, LOWER	458-56141-1
KC-135	UNIVERSAL ASSEMBLY, SIDE STRUT, UPPER (LH)	458-56137-1
KC-135	UNIVERSAL ASSEMBLY, SIDE STRUT, UPPER (RH)	458-56137-2
KC-135	STRUT ASSEMBLY, SIDE , LOWER	458-56130-1
KC-135	COLLAR ASSEMBLY, BRAKE SUPPORT MAIN LANDING GEAR (preferred)	8853035-50
KC-135	LINK ASSEMBLY, MLG TORSION, (preferred)	200310526-10
KC-135	LINK ASSEMBLY, NOSE GEAR TORSION (preferred)	200310522-10
KC-135	LINK ASSEMBLY, NOSE GEAR TORSION	5-72334-9
KC-135	LINK ASSEMBLY,TORSION	458-56151-1
KC-135	SUPPORT LINK ASSEMBLY, ACTUATOR BEAM (preferred)	200310527-10
KC-135	SUPPORT LINK ASSEMBLY, ACTUATOR BEAM (alt)	5-83050
KC-135	COLLAR, ASSEMBLY, BRAKE SUPPORT, (Preferred)	8853035-70
KC-135	COLLAR ASSEMBLY, NOSE GEAR STEERING AND TOWING	5-86524
KC-135	ACTUATOR BEAM ASSEMBLY, MAIN GEAR	7430364-10
KC-135	DRAG BRACE ASSEMBLY, FIN MACH	458-56106-1
KC-135	STRUT ASSEMBLY, SIDE, UPPER (RH)	200310057-20
KC-135	STRUT ASSEMBLY, SIDE, UPPER (RH)	458-56125-2
KC-135	STRUT ASSEMBLY, SIDE, UPPER (LH)	200310057-10
KC-135	STRUT ASSEMBLY, SIDE, UPPER (LH)	458-56125-1
KC-135	TRUNNION ASSEMBLY, MAIN LANDING GEAR (LH) (Preferred)	200310059-10
KC-135	TRUNNION ASSEMBLY, MAIN LANDING GEAR (LH)	458-56102-1
KC-135	TRUNNION ASSEMBLY, MAIN LANDING GEAR (RH) (Preferred)	200310059-20
KC-135	TRUNNION ASSEMBLY, MAIN LANDING GEAR (RH)	458-56102-2
KC-135	SNUBBER ASSEMBLY, MAIN GEAR, PERFERRED	200210067-10
KC-135	SNUBBER ASSEMBLY, MAIN GEAR	7729416-70

Aircraft	Description	Part Number
KC-135	SNUBBER ASSEMBLY, MAIN GEAR	7729416-50
KC-135	CYLINDER ASSEMBLY, MAIN GEAR CENTERING (preferred)	200733824-10
KC-135	CYLINDER ASSEMBLY, CENTERING, REPAIR, MAIN GEAR	200733824-30
KC-135	CYLINDER ASSEMBLY, CENTERING, MAIN GEAR	200210040-10
KC-135	CYLINDER ASSEMBLY, MAINGEAR CENTERING (Alt)	8121556-10
KC-135	CYLINDER ASSEMBLY, CENTERING, MAIN GEAR	50-9731-6
KC-135	VALVE ASSEMBLY, NOSE WHEEL STEERING METERING	B750-5
KC-135	TRUCK ASSEMBLY	1583-166A
KC-135	TRUNNION ASSEMBLY,MAIN GEAR (RH) (preferred)	50-9717-38
KC-135	TRUNNION ASSEMBLY,MAIN GEAR (LH) (preferred)	50-9717-37
KC-135	OLEO ASSEMBLY, MAIN GEAR (RH) (preferred)	7531273-140
KC-135	TRUCK ASSEMBLY, MAIN LANDING GEAR	9927108-10
KC-135	VALVE ASSEMBLY, NOSE WHEEL STEERING METERING	B-750-11
KC-135	BRACE ASSEMBLY, NOSE GEAR DRAG (Preferred)	65-4829-9
KC-135	BRACE ASSEMBLY, NOSE GEAR DRAG	65-4829-3
KC-135	OLEO ASSEMBLY, MAIN GEAR (LH) (preferred)	7531273-130
KC-135	STRUT ASSEMBLY, SHOCK (LH) (Preferred)	200210078-30
KC-135	STRUT ASSEMBLY, SHOCK (LH)	458-56123-1
KC-135	STRUT ASSEMBLY, SHOCK (RH) (Preferred)	200210078-40
KC-135	STRUT ASSEMBLY, SHOCK (RH)	458-56123-2
KC-135	SHOCK STRUT ASSEMBLY (Preferred)	200310051-50
KC-135	SHOCK STRUT ASSEMBLY	200310051-30
KC-135	SHOCK STRUT ASSEMBLY	200310051-10
KC-135	STRUT ASSEMBLY	7327025-110

2.2 E-3

Aircraft	Description	Part Number
E-3	BOLT (Preferred)	NAS6610-94
E-3	UNIVERSAL ASSEMBLY, LOWER	69-26586-5
E-3	ROD ASSEMBLY, AFT BRAKE EQUALIZER	69-40057-3
E-3	ACTUATOR ASSEMBLY, MAIN LANDING GEAR SIDE STRUT	50-6835-2
E-3	SUPPORT LINK ASSEMBLY, ACTUATOR	65-5236-7
E-3	COLLAR ASSEMBLY, BRAKE SUPPORT	65-65037
E-3	CYLINDER ASSEMBLY, NOSE WHEEL STEERING	65-28235-7
E-3	LINK ASSEMBLY, TORSION, LOWER	5-72334-3014
E-3	STRUT ASSEMBLY, DRAG, MAIN GEAR	65-5746-2
E-3	ROD ASSEMBLY, FWD BRAKE EQUALIZER	69-40056-2
E-3	STRUT ASSEMBLY, LOWER SIDE	65-3285-9
E-3	LINK ASSEMBLY, TORSION, LOWER	5-72334-3009
E-3	BOLT, TRUCK PIVOT, MAIN GEAR	69-40062-2
E-3	NUT, CASTELLATED, HEXAGON	201226081-01
E-3	KNUCKLE ASSEMBLY, STEERING	65-26740-9
E-3	LINK ASSEMBLY, TOWING AND STEERING	69-11721-6
E-3	DEFLECTOR, LANDING G	65-65650-20
E-3	DEFLECTOR, LANDING G	65-65650-16
E-3	LINK ASSEMBLY, TORSION	65-22116-2
E-3	UNIVERSAL ASSEMBLY, UPPER	65-29539-3
E-3	COLLAR ASSEMBLY, TOWING	50-6822-2
E-3	BEAM, ACTUATOR	65-72930-6
E-3	STRUT ASSEMBLY, UPPER SIDE	65-3792-45
E-3	UNIVERSAL ASSEMBLY, UPPER	65-29539-4
E-3	CYLINDER ASSEMBLY, NOSE WHEEL STEERING	65-28235-8
E-3	STRUT ASSEMBLY, UPPER SIDE	65-3792-46
E-3	UP SIDE STRUT, R/H	65-3792-44
E-3	CENTER CYLINDER AND SNUBBER ASSEMBLY, MAIN GEAR	204-30301-2
E-3	CYLINDER, CENTERING	204-30301-2
E-3	TRUCK ASSEMBLY, MAIN GEAR	65-65031-11
E-3	TRUCK ASSEMBLY, MAIN GEAR	65-65031-7
E-3	Nose Lock Assembly	50-9360-4
E-3	TRUNNION ASSEMBLY, MAIN GEAR (LH)	65-22119-21
E-3	TRUNNION ASSEMBLY, MAIN GEAR (LH)	65-22119-23
E-3	BRACE ASSEMBLY, NOSE GEAR DRAG	65-3693-27
E-3	BRACE ASSEMBLY, NOSE GEAR DRAG	65-3693-22
E-3	BRACE ASSEMBLY, NOSE GEAR DRAG	65-3693-20
E-3	VALVE ASSEMBLY, STEERING METERING	40009-0002
E-3	OLEO ASSEMBLY, NOSE GEAR	200530532-70



Aircraft	Description	Part Number
E-3	OLEO ASSEMBLY, NOSE GEAR	200530532-110
E-3	OLEO ASSEMBLY, NOSE GEAR	200530532-30
E-3	OLEO ASSEMBLY, NOSE GEAR	65-27330-57
E-3	OLEO ASSEMBLY, MAIN GEAR (RH)	65-22110-38
E-3	OLEO ASSEMBLY, MAIN GEAR (RH)	65-22110-32
E-3	OLEO ASSEMBLY, MAIN GEAR (LH)	65-22110-37
E-3	OLEO ASSEMBLY, MAIN GEAR (LH)	65-22110-31
E-3	TRUNNION ASSEMBLY, MAIN GEAR (RH)	65-22119-22

### 2.3 C-130

Aircraft	Description	Part Number
C-130	VALVE ASSEMBLY, STEERING, NLG	373531-7
C-130	BRACE ASSEMBLY, DRAG, NLG, LH	371689-11
C-130	BRACE ASSEMBLY, DRAG, NLG, RH	371689-12
C-130	SPACER, LEVER	8348-34
C-130	SLEEVE, BEARING	8348-43-1
C-130	CAP (Preferred Item)	200027175-03
C-130	ARM ASSEMBLY, TORQUE, NOSE LANDING GEAR	388069-1
C-130	STRUT ASSEMBLY, MAIN LANDING GEAR TORQUE	388064-3
C-130	MANUA GEAR BOX WITH BRAKE	8348M1
C-130	BALL SCREW ASSEMBLY	8430M4
C-130	BALL SCREW ASSEMBLY, MLG	1650E412
C-130	BALL SCREW ASSEMBLY	8430M3
C-130	BALL SCREW ASSEMBLY	8430M2
C-130	BALL SCREW ASSEMBLY, MLG	8353
C-130	STRUT ASSEMBLY, MAIN LANDING GEAR SHOCK, C-130H	3316498-1
C-130	STRUT ASSEMBLY, MAIN LANDING GEAR SHOCK, C-130E, C-130H	388058-19
C-130	GEARBOX ASSEMBLY, MAIN LANDING GEAR	8521
C-130	GEAR BOX ASSEMBLY, MLG	1650R319
C-130	STRUT ASSEMBLY, NOSE LANDING GEAR (Preferred)	3303591-3
C-130 SKI	STRUT ASSEMBLY, MAIN LANDING GEAR SHOCK, LC-130H	3302196-19
C-130 SKI	BALL SCREW ASSEMBLY, SKI	8448M4
C-130 SKI	BALL SCREW ASSEMBLY, SKI	8448M3
C-130 SKI	STRUT ASSEMBLY, NOSE LANDING GEAR (SKI)	9235508-10

## 2.4 KC-10

Aircraft	Description	Part Number
KC-10	CLG Assembly	NYG6208
KC-10	NLG Assembly	NCG6001-XXX
KC-10	NLG Assembly	NCG6201-XXX
KC-10	MLG Assembly	NRG6015-XXX
KC-10	MLG Assembly	NRG6215-XXX

## 2.5 E4B

Aircraft	Description	Part Number
E4B	NLG Assy /Installation	65B01462-XX
E4B	WLG Assy /Installation	65B01461-XX
E4B	BLG Assy /Installation	65B01463-XX
E4B	Walking Beam Assemblies	65B01441-XX
E4B	Side Strut Assemblies	65B01455-XX
E4B	Jury Strut Bungee Assemblies	65B08803-XX
E4B	Uplock Actuator Assemblies	69B80359-XX
E4B	Downlock Actuator Assemblies	69B80358-XX
E4B	Retract Actuator Assemblies	65B83205-XX
E4B	Trunnion Bearing Housing Assemblies	65B07769-XX
E4B	Walking Beam Support Assemblies	65B14474-XX
E4B	Drag Strut Assemblies	65B01457-XX
E4B	Jury Strut Downlock Bungee Assemblies	65B08802-XX
E4B	Truck Positioning Actuator Assemblies	65B01504-XX
E4B	Retract Actuator Assemblies	65B01552-XX
E4B	Steering Actuator Assembly	65B82591-XX
E4B	Nose Wheel Steering Metering	2670005M5
E4B	Nose Wheel Steering Metering	2670005M7
E4B	Drag Strut Component Assembly	65B01456-XX
E4B	Bungee Assemblies	65B05398-XX
E4B	Retract Actuator Assembly	65B82584-XX
E4B	Downlock Actuator Assembly	1U1204-XX
E4B	Steering Actuator Assembly	1U1171-XX

## 2.6 P8

Aircraft	Description	Part Number
P8	NLG Assy End Item	001A6202-XX

## 2.7 P3

Aircraft	Description	Part Number
P3	NLG	901917-XXX
P3	MLG,	937958-XXX