

AM GENERAL™

MISSION READY ★ FUTURE DRIVEN



INTERNATIONAL TRAINING CATALOG



CONTENTS

4	General Information
6	Operator & Crew Driver’s Mobility Training
8	Organizational (ORG) Maintenance Training
10	Direct Support (DS) Maintenance Training
12	General Support (GS) Maintenance Training
14	4L85-E/4L80-E Transmission Systems Maintenance Training
16	Alternator, Starter & Electrical Systems Maintenance Training
18	Fuel System & Fuel Injection Pump Maintenance Training
20	Air Conditioning System Maintenance Training
22	Comparison of International & U.S. Maintenance Systems



OVERVIEW

For over 25 years, AM General has provided comprehensive military training programs for U.S. Armed Forces and international allies who operate the High Mobility Multi-Purpose Wheeled Vehicle (HMMWV or HUMVEE) family of vehicles.

Our training:

- Increases HUMVEE vehicle fleet operational readiness rate while decreasing equipment downtime due to improper repair and troubleshooting procedures.
- Enhances unit safety through Preventative Maintenance Checks and Services (PMCS) training.
- Improves HUMVEE vehicle performance and lifespan by offering original equipment installation and training with up-to-date performance upgrade kits.

- Offers the latest maintenance training to support unit effectiveness and prevent skill loss from technician turnover.
- Lowers logistics costs through efficient/lean organization principles.
- Provides organizations with skilled technicians to ensure units with demanding schedules can complete their missions.

Technicians gain deeper knowledge of automotive principles, troubleshooting, and HUMVEE vehicle maintenance.

Training courses can be held anywhere in the continental U.S. or globally through our Mobile Training Teams (MTT). Our Aftermarket Fulfillment & Training Center in South Bend, Indiana, offers top-quality HUMVEE vehicle maintenance training, and our 320+ acre Proving Grounds

& Testing Center simulates various global terrains like sand, mud, rock, and water.

Students are trained according to military guidelines, using the latest manuals, service bulletins, manufacturer-developed materials, and specialized training aids. All necessary shop equipment, special tools, and major components (engine, transmission, etc.) are provided on-site, eliminating the need for units to use resources for shipping, inventory, or site preparation. In addition, there is no disruption of ongoing maintenance operations at your unit's facilities.

Our instructors are all Original Equipment Manufacturer (OEM) factory-trained HUMVEE vehicle experts. Instructors are hand-selected U.S. Armed Forces veterans with decades of military technical training and maintenance experience.

AM General understands customers' budget limits and will work to meet your training needs.



OPERATOR & CREW DRIVER’S MOBILITY TRAINING

MILITARY OCCUPATIONAL
SPECIALTY (MOS) SUITABLE
FOR TRAINING

Operators,
Crew

Classroom Training	10%
Hands-On Training	90%
Training Hours	40
Student Instructor Ratio	3 : 1

TOPICS COVERED

- Introduction to the HUMVEE Vehicle
Vehicle Operations, Capabilities
- Preventative Maintenance Checks & Services (PMCS), Operator/Crew Level
Before, During, & After Vehicle Operations
- Vehicle Break-In Servicing
- Controls & Indicators
- HUMVEE Vehicle Capabilities
- Terrain/Physics & Dynamics
- Driving in Unusual Conditions
 - Driving on Mud, Sand, Snow, & Loose Soil
 - Driving Cross Country
- Driving on Extreme Terrain
- Self & Collective Recovery Operations Training

TRAINING OBJECTIVES

- OPERATE equipment to its fullest capabilities.
- KNOW equipment limitations and safety guidelines.
- RECOGNIZE equipment damage or malfunction.

COURSE DESCRIPTION

Operator and Crew Driver’s Mobility Training ensures operators are proficient in operating the HUMVEE vehicle.

Students learn about vehicle break-in services, controls and indicators, and how terrain and physics affect the vehicle’s performance and ability to handle challenges.

Students drive in unusual conditions, extreme-off road terrain, mud, snow, sand, and loose soil while maintaining a high level of vehicle performance. Preventative Maintenance Checks and Services applicable to 10 Level Maintenance performed by operators is demonstrated by instructors and practiced by students before, during, and after vehicle operations.

This course can be customized to fit your unit’s operational profile.

TRAINING DELIVERABLES

- Classroom instruction with presentation
- Hands-on vehicle training
- Original Equipment Manufacturer (OEM) training publications
- Course examination
- OEM Operations Level 10 Certification

TRAINING PUBLICATION

Included with training. Each student issued one (1) set of listed publication.

Publication Title	Part No.
Advanced Mobility Training	5715082

TECHNICAL MANUAL

One (1) set per three (3) students. Count can be adjusted per contract.

Publication Title	Part No.
HUMVEE Operator’s Manual	9-2320-387-10

OPTIONAL PARTS REQUIRED IF NOT EQUIPPED

Description	Manufacturer	Part No.
Winch, 5443 kg (12,000 lb.)	Warn	6044134
Straps, chains, pulleys		4010-00-443-4845
Clevis pin		

OVERSEAS REQUIREMENTS

Successful overseas training events require host countries to provide or have access to the following items and facilities:

- Obstacle course
- Fully mission-capable HUMVEE vehicles w/ winch (minimum three (3))
- Classroom with projector system
- Maintenance bay/area with appropriate shop equipment to conduct operator level tasks
- Driving area with rugged off-road terrain, on-site or nearby
- Access to: base/facility/training area
- English language translation services (if applicable)
- AM General instructors (minimum two (2))

TASK LEVEL	MISSION FOCUS	MAINTENANCE TIER	MAINTENANCE TIER NAME	CONUS/OVERSEAS TRAINING
10	Use Equipment	1	Operator and Crew	HUMVEE Vehicle Driver’s Training

ORGANIZATIONAL (ORG) MAINTENANCE TRAINING

MOS SUITABLE FOR TRAINING

Maintainers, Technicians

Classroom Training	10%
Hands-On Training	90%
Training Hours	80
Student Instructor Ratio	10 : 1

TOPICS COVERED

- Introduction to the HUMVEE Vehicle
Vehicle Operations, Capabilities
- Organizational (ORG) Level PMCS
Bi-Annual, Annual, and Biennial
- System Troubleshooting
Mechanical, Electrical, Hydraulic
- Minor Component Repair
- Minor Component Replacement
- Vehicle Lubrication
- Using Technical Manuals

TRAINING OBJECTIVES

- KNOW vehicle systems and function.
- TROUBLESHOOT cause of component failure.
- IDENTIFY maintenance task to rectify component failure.
- CONDUCT minor component repair or replacement.

COURSE DESCRIPTION

Organizational (ORG) Maintenance Training is designed for technicians/maintainers responsible for conducting Level 20 task echelon (Organizational Maintenance). Training includes Preventative Maintenance Checks, semi and annual services, systems troubleshooting, and component replacement and repair.

This comprehensive course emphasizes component theory of operation and maintenance, proper maintenance techniques, and the use of special tools which support faster equipment maintenance and repair times to support readiness.

Students are trained within the guidelines of military doctrine utilizing the latest technical manuals and service bulletins combined with in-house manufacturer-developed technical training materials.

TRAINING DELIVERABLES

- Classroom and hands-on training
- OEM Maintenance Level 20 Certification
- OEM training publications
- Equipment and components serviced during training
- Consumable parts appropriate to ORG maintenance tasks

TRAINING PUBLICATIONS

Included with training. Each student issued one (1) set of listed publications.

Publication Title	Part No.
Introduction to Vehicle Systems	5715083
DB2 Stanadyne Fuel Pump System	5715084
Component Testing and Troubleshooting	5715085
6.5L Diesel Engine Construction, Ops.	5715086
Introduction to 4L80-E Transmission	5715572
Troubleshooting 4L80-E Transmission	5715709
Air Conditioning, Sys. Comp. Rep. Principles	5715752

TECHNICAL MANUALS

One (1) set per three (3) students. Count can be adjusted per contract.

Publication Title	Task Level	Part No.
HUMVEE Maintenance Manual, Vol 1	20	9-2320-387-24-1
HUMVEE Maintenance Manual, Vol 2	20	9-2320-387-24-2
HUMVEE Maintenance Manual Parts List	20	9-2320-387-24P

OVERSEAS REQUIRED SPECIAL TOOLS

Necessary for training of 20 maintenance tasks overseas. AMG special tool kits provide consistent, rapid rates of repair for vehicles/ systems.

Description	Overseas	Part No.
Organizational Support Maintenance Tool Kit	REQUIRED	5717726
General Mechanic’s Tool Box	REQUIRED	5717376

OVERSEAS REQUIREMENTS

Successful overseas training events require host countries to provide or have access to the following items and facilities:

- General Mechanics Tool Kit (GMTK)
- HUMVEE ORG maintenance special tools
- HUMVEE ORG maintenance consumable parts
- Classroom with projector system
- Maintenance bay/area with appropriate shop equipment to conduct ORG level tasks
- Vehicles available for training, troubleshooting
- Access to: base/facility/training area
- English language translation services (if applicable)
- AM General instructors (minimum two (2))

TASK LEVEL	MISSION FOCUS	MAINTENANCE TIER	MAINTENANCE TIER NAME	OVERSEAS TRAINING
20	Return Equipment to User	2	Organizational	Organizational (ORG) Maintenance Training

DIRECT SUPPORT (DS) MAINTENANCE TRAINING

MOS SUITABLE FOR TRAINING

Maintainers, Technicians

Classroom Training	10%
Hands-On Training	90%
Training Hours	80
Student Instructor Ratio	10 : 1

TOPICS COVERED

- Introduction to the HUMVEE
Vehicle System & Function
- Component Inspection
- Component Removal, Installation
*6.5L Diesel Engine
Transmission Torque Converter
Transfer-Case
Differential Assembly
Steering Gear*
- Diagnostic, Testing, Repair
*Transfer Case
Differential Assembly
Steering Gear
Power Steering Pump
Geared Hub*
- Seal Replacement
*Transfer-Case
Differential Assembly
Transfer Case
Steering Gear*

TRAINING OBJECTIVES

- DIAGNOSE vehicle system and component malfunction.
- REMOVE and REPLACE faulted or damaged components.
- CONDUCT Level 30 maintenance tasks.
- RESTORE HUMVEE to full mission status.

COURSE DESCRIPTION

Direct Support Maintenance Training is designed for technicians/ maintainers responsible for conducting preventative maintenance checks, semi and annual services, systems troubleshooting, component replacement and repair at the Direct Support-30 task echelon.

This comprehensive course emphasizes component theory of operation, proper maintenance techniques, use of special tools and shop equipment, and procedures for major component removal and installation across all HUMVEE vehicle platforms.

Students are trained within the guidelines of military doctrine utilizing the latest technical manuals and service bulletins combined with in-house manufacturer-developed technical training materials.

TRAINING DELIVERABLES

- Classroom and hands-on training
- OEM Maintenance Level 30 Certification
- OEM training publications
- Equipment and components serviced during training
- Consumable parts appropriate to DS maintenance tasks

TRAINING PUBLICATIONS

Included with training. Each student issued one (1) set of listed publications.

Publication Title	Part No.
Introduction to Vehicle Systems	5715083
DB2 Stanadyne Fuel Pump System	5715084
Component Testing and Troubleshooting	5715085
6.5L Diesel Engine Construction, Ops.	5715086
Introduction to 4L80-E Transmission	5715572
Troubleshooting 4L80-E Transmission	5715709
Air Conditioning, Sys. Comp. Rep. Principles	5715752

TECHNICAL MANUALS

One (1) set per three (3) students. Count can be adjusted per contract.

Publication Title	Task Level	Part No.
HUMVEE Maintenance Manual, Vol 1	20	9-2320-387-24-1
HUMVEE Maintenance Manual, Vol 2	20	9-2320-387-24-2
HUMVEE Maintenance Manual Parts List	20	9-2320-387-24P
6.5L Engine Maintenance Manual	30	9-2320-237-34
6.5L Parts Manual	34 (30, 40)	9-2320-237-34P

OVERSEAS REQUIRED SPECIAL TOOLS

Necessary for training of 20/30 maintenance tasks overseas. AMG special tool kits provide consistent, rapid rates of repair for vehicles/ systems.

Description	Overseas	Part No.
Organizational Support Maintenance Tool Kit	REQUIRED	5717726
Direct Support Maintenance Tool Kit	REQUIRED	5717727
General Mechanic’s Tool Box	REQUIRED	5717376

OVERSEAS REQUIREMENTS

Successful overseas training events require host countries to provide or have access to the following items and facilities:

- General Mechanics Tool Kit (GMTK)
- HUMVEE ORG maintenance special tools
- HUMVEE ORG maintenance consumable parts
- Direct Support (DS) maintenance special tools
- Classroom with projector system
- Maintenance bay/area with appropriate shop equipment to conduct DS level tasks
- Vehicles available for training, troubleshooting
- Access to: base/facility/training Area
- English language translation services (if applicable)
- AM General instructors (minimum two (2))

TASK LEVEL	MISSION FOCUS	MAINTENANCE TIER	MAINTENANCE TIER NAME	OVERSEAS TRAINING
30	Return Equipment to User	3	Direct Support Maintenance	Direct Support (DS) Maintenance Training

GENERAL SUPPORT (GS) MAINTENANCE TRAINING

MOS SUITABLE FOR TRAINING

Maintainers, Technicians

Classroom Training	10%
Hands-On Training	90%
Training Hours	80
Student Instructor Ratio	8 : 1

TOPICS COVERED

- Vehicle Systems & Function
- PMCS
 - Component Inspection
- Component Disassembly
- Component Inspection
- Precision Measurements
- Rebuild, Repair Major Components
 - Engine
 - Transmission
 - Transfer Case
 - Differential
 - Geared Hub
 - Stanadyne DB2 Fuel Injection Pump

COURSE DESCRIPTION

The General Support Maintenance Training Course is designed for technicians/maintainers responsible for the rebuilding and repair of the engine, transmission, transfer case, differential, and geared hub.

This comprehensive course emphasizes component theory of operation, disassembly, cleaning, inspection, precision measurements, assembly, adjustment, and testing of all major vehicle systems and sub systems across all HUMVEE vehicle platforms.

Students are trained within the guidelines of military doctrine utilizing the latest technical manuals and service bulletins combined with in-house manufacturer-developed technical training materials.

TRAINING DELIVERABLES

- Classroom and hands-on training
- OEM Maintenance Level 30/40 Certification
- OEM training publications
- Equipment and components serviced during training

TRAINING PUBLICATIONS

Included with training. Each student issued one (1) set of listed publications.

Publication Title	Part No.
Introduction to Vehicle Systems	5715083
DB2 Stanadyne Fuel Pump System	5715084
Component Testing and Troubleshooting	5715085
6.5L Diesel Engine Construction, Ops.	5715086
Introduction to 4L80-E Transmission	5715572
Troubleshooting 4L80-E Transmission	5715709
Air Conditioning, Sys. Comp. Rep. Principles	5715752

TECHNICAL MANUALS

One (1) set per three (3) students. Count can be adjusted per contract.

Publication Title	Task Level	Part No.
HUMVEE Maintenance Manual, Vol 1	20	9-2320-387-24-1
HUMVEE Maintenance Manual, Vol 2	20	9-2320-387-24-2
HUMVEE Maintenance Manual Parts List	20	9-2320-387-24P
6.5L Engine Maintenance Manual	30	9-2320-237-34
6.5L Parts Manual	34 (30, 40)	9-2320-237-34P

OVERSEAS REQUIRED SPECIAL TOOLS

Necessary for training of 30/40 maintenance tasks overseas. AMG special tool kits provide consistent, rapid rates of repair for vehicles/systems.

Description	Overseas	Part No.
Direct Support Maintenance Kit	REQUIRED	5717727
General Support Tool Kit	REQUIRED	5717728
General Mechanic’s Tool Box	REQUIRED	5717376
Master Mechanic’s Tool Box	REQUIRED	5717730
AC Recover/Recycle Machine 220 Volt*	REQUIRED	5717725

OVERSEAS REQUIREMENTS

Successful overseas training events require host countries to provide or have access to the following items and facilities:

- Vehicle service, repair bay
- Maintenance bay/area with appropriate shop equipment to conduct GS level tasks
- General and Master Mechanic’s Tool Kit
- HUMVEE GS and DS special tools
- HUMVEE GS and DS consumable parts
- Classroom with projector system
- Access to: base/facility/training area
- Components in need of or available for DS/GS maintenance tasks
- 6.5L Engine (1 each)
- Transfer case (1 each)
- Differential (1 each)
- Geared hub (1 each)
- Fuel injection pump (1 each)
- 4L85-E or 4L80-E Transmission (1 each)
- English language translation services (if applicable)
- AM General instructors (minimum two (2))

TASK LEVEL 40 and 50	MISSION FOCUS Return Equipment to User/ Supply Chain	MAINTENANCE TIER 2, 3, and 4	MAINTENANCE TIER NAME General Support (GS) Maintenance	OVERSEAS TRAINING General Support (GS) Maintenance Training
-------------------------	--	---------------------------------	---	---

4L85-E/4L80-E TRANSMISSION SYSTEMS MAINT. TRAINING

MOS SUITABLE FOR TRAINING

Maintainers, Technicians

Classroom Training	10%
Hands-On Training	90%
Training Hours	32
Student Instructor Ratio	4 : 1

TOPICS COVERED

Theory of Operation

Troubleshooting
Electrical, Mechanical, Hydraulic

Disassembly

Cleaning

Inspection

Precision Measuring

Assembly

Students should NOT enroll in this specialized training course if they have NOT completed ALL of the following maintenance echelon training for:

- Organizational ORG
- Direct Support DS
- General Support GS

COURSE DESCRIPTION

The 4L80-E Transmission Maintenance Training course is designed for technicians/maintainers who are responsible for inspection, troubleshooting, repair, replacement, and rebuilding the GTP 4L85-E or 4L80-E transmission at all maintenance levels (Organizational (ORG)-20, Direct-30, and General Support-40 echelons).

This detailed course encompasses transmission theory of operation, electrical, mechanical, and hydraulic troubleshooting, disassembly, cleaning, inspection, precision measuring, assembly, and testing for the 4L80-E Transmission.

Students are trained within the guidelines of military doctrine utilizing the latest technical manuals and service bulletins combined with in-house manufacturer-developed technical training materials.

TRAINING DELIVERABLES

- Classroom instruction with presentation
- Hands-on training
- Course examination
- OEM 4L85-/4L80-E maintenance certification
- OEM training publications

TRAINING PUBLICATIONS

Included with training. Each student issued one (1) set of listed publications.

Publication Title	Part No.
Component Testing and Troubleshooting	5715085
Introduction to 4L80-E Transmission	5715572
Troubleshooting 4L80-E Transmission	5715709

OVERSEAS REQUIRED SPECIAL TOOLS

One (1) set per three (3) students. Count can be adjusted per contract.

Description	Task Level	Part No.
Level 20 (ORG) Tool box kit-Transmission	20	5717726-9
Level 30 (DS) Tool box kit-Transmission	30	5717727-8
Level 40 (DS) Tool box kit-Transmission	40	5717728-8

L85-E/4L80-E TRANSMISSION KITS, CONSUMABLE PARTS

Publication Title	Part No.
Transmission Overhaul Kit (1997 to Current)	5714970
Transmission Gasket Kit	5717778

OVERSEAS REQUIREMENTS

Successful overseas training events require host countries to provide or have access to the following items and facilities:

- General Mechanics Tool Kit (GMTK)
- Transmission Tool Kit, Organizational (ORG)
- Transmission Tool Kit, Direct Support (DS)
- Transmission Tool Kit, General Support (GS)
- Consumable Parts (Overhaul Kit)
- Classroom with projector system
- Access to base/facility/training area
- Vehicle available for maintenance training tasks
- English language translation services (if applicable)
- AM General instructors (minimum two (2))
- Maintenance bay/area with appropriate shop equipment to conduct 4L85-E/4L80-E transmission systems maintenance
- 4L80-E transmission, serviceable

TASK LEVEL	MISSION FOCUS	MAINTENANCE TIER	FLM TIER NAME	OVERSEAS TRAINING
20, 30, and 40	Return Equipment to User/ Supply Chain	2, 3, and 4	Organizational (ORG), Direct Support (DS), General Support (GS)	4L80-E/4L85-E Transmission Maint. Training

ALTERNATOR, STARTER & ELECTRICAL SYST. MAINT. TRAINING

MOS SUITABLE FOR TRAINING

Maintainers, Technicians

Classroom Training	10%
Hands-On Training	90%
Training Hours	24
Student Instructor Ratio	8 : 1

TOPICS COVERED

Electrical System Theory

Repair, Refurb, Testing
Starter Ignition
6.5L Engine Glow-Plugs
Alternator/Charging System
Lighting System

System Fault Testing

Students should NOT enroll in this specialized training course if they have NOT completed ALL of the following maintenance echelon training for:

- Organizational ORG
- Direct Support DS
- General Support GS

COURSE DESCRIPTION

The Alternator, Starter & Electrical Systems Training Course is designed for technicians/maintainers responsible for the inspection, diagnosis, repair, replacement and rebuilding of electrical components at the Organizational (ORG), Direct Support (DS) and General Support maintenance echelons (20, 30 and 40).

Students are instructed within the guidelines of and service bulletins combined with in-house manufacturer-developed technical military doctrine utilizing the latest technical manuals.

Students are trained in the theory of operation, inspection, assembly, disassembly, cleaning, and precision measurement of electrical system components. The HUMVEE vehicle is used as a base for tactical wheeled vehicle electrical systems training.

Instructors provide hands-on electrical diagnostics experience from simulated electrical faults. Students are tasked to isolate and solve from simulated reports of equipment failure. Powered cutaway chassis and full color schematics are used to support points of instruction.

TRAINING DELIVERABLES

- Classroom instruction with presentation
- Hands-on training
- Course examination
- OEM alternator/starter/electrical system maintenance certification
- OEM training publications

TRAINING PUBLICATION

Included with training. Each student issued one (1) set of listed publication.

Publication Title	Part No.
Component Testing and Troubleshooting	5715085

OVERSEAS REQUIRED SPECIAL TOOLS

One (1) set per three (3) students. Count can be adjusted per contract.

Description	Mandatory	Part No.
General Mechanic’s Tool Box	REQUIRED	5717376
Level 20 (ORG) Tool box kit, Electrical	REQUIRED	5717726-4
HUMVEE Maintenance Manual Parts List	20	9-2320-387-24P
6.5L Engine Maintenance Manual	30	9-2320-237-34

ALTERNATOR, STARTER, ELECTRICAL CONSUMABLE PARTS

Description	Qty.	Part No.
Washer Kit	1 Kit	5741171
Bearing and Retainer Kit	1 Kit	5741167
Intermediate Gasket	1 Ea	5740964
Pinion Stop kit	1 Kit	5741173
O-Ring Seal (3) Kit	1 Kit	5741169
Gasket Switch Kit	1 Kit	5929755
O-Ring Seal	1 Ea	5716724

OVERSEAS REQUIREMENTS

Successful overseas training events require host countries to provide or have access to the following items and facilities:

- Electrical Toolbox Kit (ORG)
- General Mechanics Tool Kits (GMTK)
- Alternator, starter, electrical consumable parts
- Classroom with projector system
- Access to: base/facility/training area
- Vehicle for maintenance training tasks
- Vehicle fuel pump and vehicle for maintenance training tasks
- English language translation services (if applicable)
- AM General instructors (minimum two (2))
- Maintenance bay/area with appropriate shop equipment to conduct electrical system maintenance
- Serviceable HUMVEE vehicles

TASK LEVEL 20, 30, and 40	MISSION FOCUS Return Equipment to User/ Supply Chain	MAINTENANCE TIER 2, 3, and 4	MAINTENANCE TIER NAME Organizational (ORG), Direct Support (DS), General Support (GS)	OVERSEAS TRAINING Alternator/Starter/Electrical Trblsht./Maint. Training
------------------------------	--	---------------------------------	---	--

FUEL SYSTEM & FUEL INJECTION PUMP MAINT. TRAINING

MOS SUITABLE FOR TRAINING

Maintainers, Technicians

Classroom Training	10%
Hands-On Training	90%
Training Hours	24
Student Instructor Ratio	8 : 1

TOPICS COVERED

Fuel Injection System

Inspection
Troubleshooting
Repair
Replacement
Rebuild
Refurbishment

Students should NOT enroll in this specialized training course if they have NOT completed ALL of the following maintenance echelon training for:

- Organizational ORG
- Direct Support DS
- General Support GS

COURSE DESCRIPTION

The Diesel Fuel Injection Pump Training Course is designed for technicians/ maintainers responsible for the inspection, troubleshooting, repair, replacement, and rebuilding of the HUMVEE vehicle’s diesel fuel injection system at the Organizational (ORG), Direct Support (DS) and General Support maintenance echelons (20, 30 and 40).

This comprehensive course emphasizes component theory of operation, disassembly, cleaning, inspection, precision measurements, assembly, and testing of the DB2 rotary fuel injection pump system and related subsystems.

Students are trained within the guidelines of military doctrine utilizing the latest technical manuals and service bulletins combined with in-house manufacturer-developed technical training materials.

TRAINING DELIVERABLES

- Classroom instruction with presentation
- Hands-on training
- Course examination
- OEM fuel injector pump maintenance certification
- OEM training publications

TRAINING PUBLICATIONS

Included with training. Each student issued one (1) set of listed publications.

Publication Title	Part No.
DB2 Stanadyne Fuel Pump System	5715084
Component Testing and Troubleshooting	5715085

OVERSEAS REQUIRED SPECIAL TOOLS

One (1) set per three (3) students. Count can be adjusted per contract.

Description	Mandatory	Part No.
General Mechanic’s Tool Box	REQUIRED	5717376
Level 30 (DS) Tool box kit, Fuel Pump	REQUIRED	5717727-4
Level 40 (GS) Tool Box Kit, Fuel Pump	REQUIRED	5717728-4

FUEL INJECTION PUMP CONSUMABLE PARTS

Description	Qty.	Part No.
FI Pump Gasket*	1 Ea.	5740059

*Fuel injection pump gasket is required only if the pump is removed from the engine.

OVERSEAS REQUIREMENTS

Successful overseas training events require host countries to provide or have access to the following items and facilities:

- Fuel Pump Toolbox Kit (DS)
- Fuel Pump Toolbox Kit (GS)
- General Mechanics Tool Kits (GMTK)
- Fuel pump consumable parts per fuel pump refurb
- Maintenance bay/area with appropriate shop equipment to conduct maintenance training tasks
- Classroom with projector system
- Access to: base/facility/training area
- Vehicle available for maintenance training tasks
- English language translation services (if applicable)
- AM General instructors (minimum two (2))

TASK LEVEL 20, 30, and 40	MISSION FOCUS Return Equipment to User/ Supply Chain	MAINTENANCE TIER 2, 3, and 4	MAINTENANCE TIER NAME Organizational (ORG), Direct Support (DS), General Support (GS)	OVERSEAS TRAINING Fuel Injection Pump System Maintenance Training
------------------------------	--	---------------------------------	---	---

AIR CONDITIONING SYSTEM MAINTENANCE TRAINING

MOS SUITABLE FOR TRAINING

Maintainers, Technicians

Classroom Training	10%
Hands-On Training	90%
Training Hours	24
Student Instructor Ratio	8 : 1

TOPICS COVERED

Principles of Refrigeration

A/C Electrical Troubleshooting

A/C Maintenance Services

Refrigerant Recovery

Evacuation

Inspection

Component Replacement

Leak Detection

Testing

Refrigerant Recharge

Students should NOT enroll in this specialized training course if they have NOT completed ALL of the following maintenance echelon training for:

- Organizational ORG

COURSE DESCRIPTION

The Air Conditioning Systems Training course is designed for technicians/ maintainers responsible for electrical troubleshooting, refrigerant recovery, evacuation, inspection, component replacement, refrigerant recharge, leak detection, and testing of HUMVEE vehicle air conditioning systems at the Organizational (ORG) and Direct Support (DS) maintenance echelons (20 and 30).

This comprehensive course emphasizes the scientific principles of refrigeration, thermal efficiency, electrical control systems, and servicing procedures, utilizing advanced diagnostic equipment and current special tools and shop equipment.

Students are trained within the guidelines of military doctrine utilizing the latest technical manuals and service bulletins combined with in-house manufacturer developed technical training materials.

TRAINING DELIVERABLES

- Classroom instruction with presentation
- Hands-on training
- Course examination
- OEM air conditioning maintenance certification
- OEM training publications

TRAINING PUBLICATION

Included with training. Each student issued one (1) set of listed publication.

Publication Title	Part No.
Principles of Air Conditioning	5715752

HUMVEE OPTIONAL KITS

Publication Title	Part No.
A/C 4-Man	6022485+12480805
A/C 2-Man	6022484+12480804

OVERSEAS REQUIRED SPECIAL TOOLS

Description	Qty.	Part No.
General Mechanic’s Tool Box	REQUIRED	5717376
AC Recover/Recycle Machine 220V	REQUIRED	5717725
Level 40 (GS) General Support Tool Box A/C	REQUIRED	5717728-9

OVERSEAS REQUIREMENTS

Successful overseas training events require host countries to provide or have access to the following items and facilities:

- General Mechanics Tool Kit (GMTK)
- AC recovery/recycle machine 220V
- Special tools (GS) - air conditioning
- Classroom with projector system
- Access to: base/facility/training area
- English language translation services (if applicable)
- AM General instructors (minimum two (2))
- Maintenance bay/area with appropriate shop equipment to conduct air conditioning system maintenance training tasks

TASK LEVEL	MISSION FOCUS	MAINTENANCE TIER	MAINTENANCE TIER NAME	OVERSEAS TRAINING
20	Return Equipment to User	2	Organizational (ORG)	Air Conditioning System ORG/ Maint. Training

COMPARISON OF INTERNATIONAL & U.S. MAINTENANCE SYSTEMS

 U.S. ARMY LEVEL MAINTENANCE SYSTEM	MAINTENANCE PROCEDURES	 INTERNATIONAL TIERED MAINTENANCE EQUIVALENT
Field Maintenance (FM)	Basic Vehicle Services, Before-During-After Operations: Preventative Maintenance Checks and Services (PMCS)	Operator Level (OP)
	Minor Component Diagnostics and Removal/Installation, Logistics, Preventative Maintenance Checks and Services at Intervals	Organizational Level (ORG)
Sustainment Maintenance (SM)	Major Component Diagnostics, Major Component Removal/Installation	Direct Support Level (DS)
	Major Component Repair Fleet/Deployed Region Refurbishment Logistics Effort	General Support Level (GS)
	Major Component Repair, Fleet/Home Country Refurbishment Logistics Effort	Refurbishment (DEPOT)



AM GENERAL

MISSION READY ★ FUTURE DRIVEN

TRAINING LOCATIONS

Aftermarket Fulfillment & Training Center

5448 Dylan Dr.
South Bend, IN 46628

Proving Grounds & Testing Center

801 W. Chippewa Ave.
South Bend, IN 46614

(574) 237-6222

info@amgeneral.com

www.amgeneral.com

REV09092024