

HUMVEE[®]

MILITARY TRAINING



2023
COURSE
CATALOG



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CALIFORNIA NATIONAL GUARD

Air National Guard photo by Senior Airman Crystal Housman



Field Service and Training Overview

Who needs this training?

Individuals who are directly or indirectly responsible for operating, servicing, maintaining or conducting training using HUMVEE vehicles.

Why should your organization consider this training?

Regularly trained Operators, Maintainers and Technicians ensure a state of equipment readiness required to meet the rapidly evolving challenges facing our nation at home and abroad. Training reduces equipment downtime and reduces maintenance costs while also supporting companies with tight budgets or higher operational tempos.

What benefits can you expect from this training?

Operators will benefit from an increased knowledge of how to properly inspect, negotiate extreme terrain, vehicle self-recovery, and understand battle damage assessment techniques for their HUMVEE vehicles. This increased knowledge results in higher readiness rates, survivability and safety.

Maintainers at all levels will benefit from an increased understanding of detailed automotive principals, troubleshooting, service and repair. Skills learned will allow technicians/maintainers to accurately diagnose vehicle systems in a timely and cost effective manner.

Training Program Development

AM General's Military Training Department is a TRADOC-certified world leader in training program development. Our expert program writers and graphic illustrators are highly-trained credentialed professionals.

Our program development is based on years of experience training on a multiple platforms and equipment:

- HUMVEE vehicles
- Improved Ribbon Bridge
- Rapidly Emplaced Bridge System
- All MK II series Bridge Erection Boats
- MRAP, LTAS wrecker, water purification and fuel distribution systems.

All training programs are written to comply with TRADOC Regulation 350-70.

Military Training Department Staff

AM General's Training Department provides professional training programs at all military skill levels. Our technical writers and instructors continue to develop Professional Programs of Instruction (POI) for Army systems used in the military inventory. All instructors have years of military experience, having served in either the Army, Navy, or Marine Corps.

Mobile Training Teams

Our Original Equipment Manufacturer (OEM) Training can bring the classroom and technical instruction directly to you via our Mobile Training Teams. Teams can be deployed anywhere in the United States and around the world.



Class Registration

For seat availability, student registration, general inquires, information regarding local hotels honoring government Per Diem rates, course availability, and current pricing, please contact:

John L. Stearns

Senior Training Instructor
John.Stearns@amgeneral.com
O: (574) 247-0371
C: (574) 876-1505

Nicholas S. Messick

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Payment Information

MasterCard®, Visa®, American Express®, Discover®, and U.S. Government Credit Cards are accepted. Costs relating to travel, lodging, meals, medical expenses, entertainment, laundry, rental cars, phone and fax services, and other related expenses are the responsibility of customers.



Advanced Mobility, Operator Maintenance, and BDAR

OPERATOR TRAINING
1 Week, 40 Hours (5 training days / 8 hours per day)

The Advanced Mobility, Operator Maintenance, and Battle Damage Assessment Repair(BDAR) training course is designed for operators responsible for the preventative maintenance inspections, operation, operator-level maintenance and battle damage assessment on all HUMVEE vehicle platforms.

This course will ensure operators understand HUMVEE vehicles’ functions and capabilities, allowing them to safely negotiate extreme off-road conditions and maintain a high level of performance on our 320+ acre proving grounds and testing center. Students are exposed to hills and slopes of sand, mud, rock, and water, which simulate global areas of operation, while practicing multiple vehicle recovery techniques in a real-world training environment.

Battle damage assessment of both mechanical and electrical failures inherent to battlefield operations teach students safe field expedient procedures for continued maneuverability.

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 material and operational cut-away training aids.

- Alternate class dates can be added upon request.
- Minimum of 3 students required to open a class.
- Training is conducted at the suggested 3 to 1 student instructor ratio to ensure maximum hands-on experience.
- All segments of training consist of 10% classroom theory and 90% hands-on instruction.

Each student will be provided one copy of the following OEM training manuals:

- 5715082 *Advanced Mobility Operations*
- 5715085 *Component Testing and Troubleshooting*
- 5717607 *Battle Damage Assessment and Repair Handbook*

Date	Class No.
Jan 9 - 13	OMB230102
Feb 6 - 10	OMB230201
Feb 20 - 24	OMB230202
Mar 13 - 17	OMB230301
Mar 20 - 24	OMB230302
Apr 10 - 14	OMB230401
Apr 24 - 28	OMB230402
May 8 - 12	OMB230501
May 22 - 26	OMB230502
June 12 - 16	OMB230601
June 26 - 30	OMB230602
Jul 10 - 14	OMB230701
Jul 24 - 28	OMB230702
Aug 7 - 11	OMB230801
Aug 21 - 25	OMB230802
Sep 11 - 15	OMB230901
Sep 25 - 29	OMB230902
Oct 9 - 13	OMB231001
Oct 23 - 27	OMB231002
Nov 6 - 10	OMB231101
Nov 13 - 17	OMB231102
Dec 4 - 8	OMB231201
Dec 18 - 22	OMB231202



Field Maintenance

FIELD LEVEL MAINTENANCE TRAINING 2 Weeks, 80 Hours (10 training days / 8 hours per day)

The Field Maintenance training course is designed for technicians / maintainers responsible for conducting preventative maintenance checks, semi and annual services, systems troubleshooting, component replacement and repair at the Field Maintenance Level (formerly Organizational-20 and Direct Support-30 echelons).

This comprehensive course emphasizes component theory of operation, proper maintenance techniques, use of special tools and shop equipment 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 material and operational cut-away training aids.



- Alternate class dates can be added upon request.
- Minimum of 3 students required to open a class.
- Training is conducted at the suggested 8 to 1 student instructor ratio to ensure maximum hands-on experience.
- All segments of training consist of 10% classroom theory and 90% hands-on instruction.

Each student will be provided one copy of the following OEM training manuals:

- 5717558 Introduction to Vehicle Systems
- 5715572 Introduction to the 4L85-E / 4L80-E Automatic Transmission
- 5715709 Troubleshooting the 4L85-E / 4L80-E Automatic Transmission
- 5715084 Stanadyne DB2 Fuel Injection Pump System
- 5715086 6.5L Diesel Engine Systems
- 5715752 Principles of Air Conditioning
- 5715085 Component Testing & Troubleshooting

Date	Class No.
Jan 23 - Feb 13	FM230101
Feb 6 - 17	FM230201
Mar 6 - 17	FM230301
Apr 10 - 21	FM230401
May 1 - 12	FM230501
Jun 5 - 16	FM230601
Jul 10 - 21	FM230701
Aug 7 - 18	FM230801
Sep 11 - 22	FM230901
Oct 2 - 13	FM231001
Nov 6 - 17	FM231101
Dec 4 - 15	FM231201



Sustainment Maintenance

SUSTAINMENT LEVEL MAINTENANCE TRAINING

2 Weeks, 80 Hours (10 training days / 8 hours per day)

The Sustainment Maintenance training course is designed for technicians/maintainers responsible for the rebuilding and repair of the engine, transmission, transfer case, differential, geared hub, and electrical components at the Sustainment Maintenance Level (formerly General Support-40 echelon).

This comprehensive course emphasizes component theory of operation, disassembly, cleaning, inspection, precision measurements, assembly, and testing adjustments 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 material and operational cut-away training aids.



- Alternate class dates can be added upon request.
- Minimum of 3 students required to open a class.
- Training is conducted at the suggested 8 to 1 student instructor ratio to ensure maximum hands-on experience.
- All segments of training consist of 10% classroom theory and 90% hands-on instruction.

Each student will be provided one copy of the following OEM training manuals:

5717558 Introduction to Vehicle Systems

5715084 Stanadyne DB2 Fuel Injection Pump System

5715086 6.5L Diesel Engine Systems

5715572 Introduction to the 4L85-E / 4L80-E Automatic Transmission

Date	Class No.
Jan 23 - Feb 3	SM230101
Feb 20 - Mar 3	SM230201
Mar 20 - 31	SM230301
Apr 24 - May 5	SM230401
May 15-26	SM230501
Jun 19 - 30	SM230601
Jul 24 - Aug 4	SM230701
Aug 21 - Sep 1	SM230801
Sep 18 - 29	SM230901
Oct 16 - 27	SM231001
Nov 6 - 17	SM231101
Dec 11-22	SM231201



4L85-E / 4L80-E Transmission Maintenance

SUSTAINMENT LEVEL MAINTENANCE TRAINING

4 Days, 32 Hours (4 Training Days / 8 hours per day)

The 4L80E Transmission Maintenance training course designed for technicians/maintainers who are responsible for inspection, troubleshooting, repair, replacement and rebuilding GTP 4L85E / 4L80-E transmissions at all maintenance levels (formerly Organizational-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 4L80E Transmission.

Our facility utilizes field expedient troubleshooting techniques, advanced diagnostic equipment, the latest 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 and operational cut-away training aids.



- Alternate class dates can be added upon request.
- Minimum of 3 students required to open a class.
- Training is conducted at the suggested 4 to 1 student instructor ratio to ensure maximum hands-on experience.
- All segments of training consist of 10% classroom theory and 90% hands-on instruction.

Each student will be provided one copy of the following OEM training manuals:

5715572 Introduction to the 4L85-E / 4L80-E Automatic Transmission

5715709 Troubleshooting the 4L85-E / 4L80-E Automatic Transmission

5715085 Component Testing and Troubleshooting

Date	Class No.
Jan 17 - 20	4L85E230101
Jan 24 - 27	4L85E230102
Feb 7 - 10	4L85E230201
Feb 21 - 24	4L85E230202
Mar 7 - 10	4L85E230301
Mar 20 - 23	4L85E230302
Apr 3 - 6	4L85E230401
Apr 18 - 21	4L85E230402
May 2 - 5	4L85E230501
May 16 - 19	4L85E230502
Jun 6-9	4L85E230601
Jun 20-23	4L85E230602
Jul 11 - 14	4L85E230701
Jul 25 - 28	4L85E230702
Aug 1 - 4	4L85E230801
Aug 28 - 31	4L85E230802
Sep 5 - 8	4L85E230901
Sep 19 - 22	4L85E230902
Oct 3 - 6	4L85E231001
Oct 17 - 20	4L85E231002
Nov 7 - 10	4L85E231101
Nov 27 - 30	4L85E231102
Dec 4 - 8	4L85E231201
Dec 12 - 15	4L85E231202



Air Conditioning Systems Maintenance

FIELD AND SUSTAINMENT LEVEL MAINTENANCE TRAINING 3 Days (24 training hours / 8 hours per day)

The Air Conditioning Systems Maintenance 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.

This comprehensive course emphasizes the scientific principles of refrigeration, thermal efficiency, electrical control systems and servicing procedures. Our facility utilizes advanced diagnostic equipment, the latest special tools and shop equipment in our state of the art training center.

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 material and operational cut-away training aids.



- Alternate class dates can be added upon request.
- Minimum of 3 students required to open a class.
- Training is conducted at the suggested 8 to 1 student instructor ratio to ensure maximum hands-on experience.
- All segments of training consist of 10% classroom theory and 90% hands-on instruction.

Each student will be provided one copy of the following OEM training manual:

5715752 Principles of Air Conditioning

Date	Class No.
Jan 4 - 6	AC230101
Jan 18 - 20	AC230102
Feb 1 - 3	AC230201
Feb 15 - 17	AC230202
Mar 1 - 3	AC230301
Mar 29 - 31	AC230302
Apr 4 - 6	AC230401
Apr 12 - 14	AC230402
May 10 - 12	AC230501
May 24 - 26	AC230502
Jun 7 - 9	AC230601
Jun 21 - 23	AC230602
Jul 5 - 7	AC230701
Jul 19 - 21	AC230702
Aug 2 - 4	AC230801
Aug 28 - 30	AC230802
Sep 6 - 8	AC230901
Sep 27 - 29	AC230902
Oct 4 - 6	AC231001
Oct 18 - 20	AC231002
Nov 1 - 3	AC231101
Nov 20 - 22	AC231102
Dec 6 - 8	AC231201
Dec 18 - 20	AC231202



Alternator, Starter, and Electrical Systems Maintenance

FIELD AND SUSTAINMENT LEVEL MAINTENANCE TRAINING
(24 training hours / 8 hours per day)

The Alternator, Starter, and Electrical Systems training course is designed for technicians/maintainers responsible for the inspection, diagnosis, repair, replacement, and rebuilding of electrical components at the field maintenance level (Formerly Organizational-20, Direct Support-30 echelons).

This detailed course includes theory of operation, troubleshooting, disassembly, cleaning, inspection, precision measurements, assembly, and testing for the starting, charging, lighting, and glow plug systems.

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 material and operational cut-away training aids.

- Training is conducted at the suggested 8 to 1 student instructor ratio to ensure maximum hands-on experience.
- All segments of training consist of 10% classroom theory and 90% hands-on instruction.

Each student will be provided one copy of the following OEM training manual:

5715085 Component Testing and Troubleshooting

Please call (574) 876-1007 for scheduling information

Diesel Fuel Injection Pump

FIELD AND SUSTAINMENT LEVEL MAINTENANCE TRAINING
(24 training hours / 8 hours per day)

The Diesel Fuel Injection Pump training course is designed for technicians/maintainers responsible for the inspection, troubleshooting, repair, replacement and rebuilding the entire HUMVEE vehicle diesel fuel injection system.

Training 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 material and operational cut-away training aids.

- Training is conducted at the suggested 8 to 1 student instructor ratio to ensure maximum hands-on experience.
- All segments of training consist of 10% classroom theory and 90% hands-on instruction over 3 training days, eight hours per day.

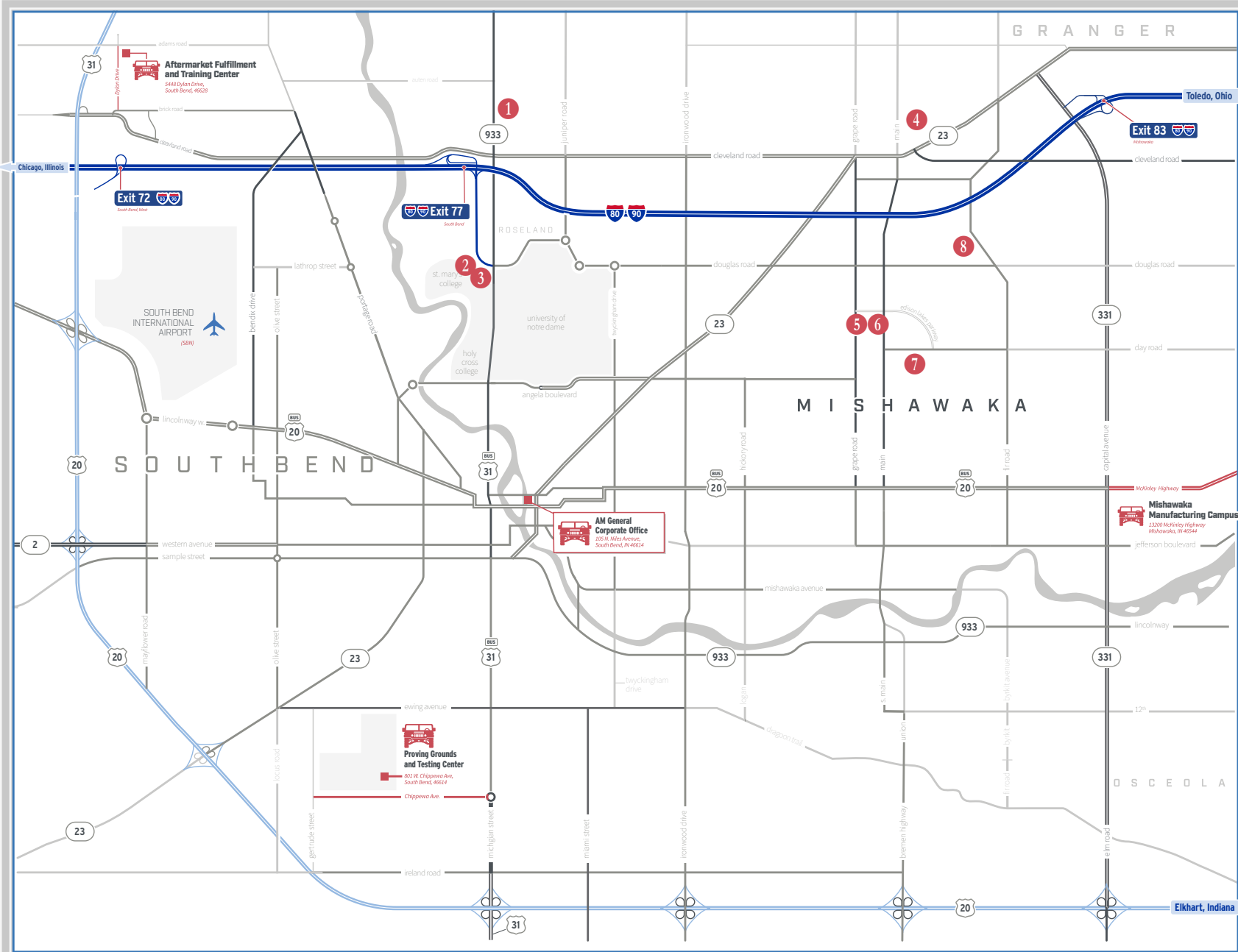
Each student will be provided one copy of the following OEM training manual:

5715085 Component Testing and Troubleshooting

5715084 Stanadyne DB2 Fuel Injection Pump System

Please call (574) 876-1007 for scheduling information

Visitor Guide



Lodging

AM General recommends the following hotels, based on their outstanding accommodations for our students and their proximity to our Aftermarket Fulfillment & Training Center.

- 1 **Homewood Suites by Hilton**
(574) 968-7440
52860 S.R. 933
South Bend, IN 46637
- 2 **Hilton Garden Inn**
(574) 232-7700
53995 IN-933
South Bend, IN 46637
- 3 **Inn at St. Mary's**
(574) 232-4000
53993 IN-93
South Bend, IN 46637
- 4 **Hampton Inn & Suites**
(574) 243-4600
7347 Heritage Square Dr.
Granger, IN 46530
- 5 **Spring Hill Suites a Marriott**
(574) 271-0832
5225 Edison Lakes Pkwy
Mishawaka, IN 46545
- 6 **Courtyard Marriott**
(574) 273-9900
4825 N. Main St
Mishawaka, IN 46545
- 7 **Residence Inn by Marriott**
(574) 271-9283
231 Park Place
Mishawaka, IN 46545
- 8 **Candlewood Suites**
(574) 258-4088
1220 E. Douglas Rd.
Mishawaka, IN 46545

AM General Facilities

Corporate Office
105 N. Niles Ave.
South Bend, IN 46617

Mishawaka Manufacturing Campus
13200 McKinley Hwy
Mishawaka IN, 46544

Training Facilities

Aftermarket Fulfillment and Training Center
5448 Dylan Dr.
South Bend, IN 46628

Proving Grounds and Testing Center
801 W. Chippewa Ave
South Bend, IN 46614



AM General Military Training

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