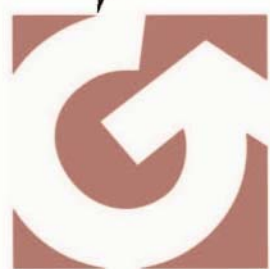




IT'S ABOUT
YOU!

Training that delivers.



FORCE

Technical Training

2010 Training Catalog



registration



I am interested in attending the following G-Force Technical Training Class(es). I understand the \$79 fee covers instruction and class materials.

Training Class (es):

Name: _____

Company: _____

Address: _____

Phone number where you can be reached in the event of class cancellation:

Total Payment: _____

Payment Options:

- Bill my GBG account
- Bill my Visa, Master Card, American Express
- Enclosed please find my check made out to GBG, Inc. 1525 Beaver Avenue, Pittsburgh, PA 15233



menu of services

COST:

\$79 per class/per attendee

Fee includes training manual, 3 hours of technical training, and refreshments.

G-Force Technical Training can also host private training on a variety of topics at your location or a GBG location of your choice. Minimum fee for private classes is \$600 or \$79 per class participant, whichever is greater.

Two day clean and check classes are \$1500 for four trainees and one company officer. Private and two day classes must be pre-arranged through Dale Enders.

* Special offers are not valid on private classes *

NATE CREDITS NOW AVAILABLE FOR MOST G-FORCE TRAINING CLASSES!

PAYMENT:

Payment must be received with class sign-up form by noon day of class.

REFUNDS:

Class cancellations must be received by noon the day of class to receive refund. No refunds will be given for cancellations after noon on the day of class.

****BACK FOR 2010****

Pre-register and pre-pay for 10 class spots throughout 2010 and get 1 spot free! Pre-payment is non-refundable and registration form is necessary for each class. Based on availability,

special offers

**BUY ONE SPACE AT A
2010 G-FORCE
TECHNICAL TRAINING
CLASS - GET ONE SPACE
FREE! ****

**Offer only valid when registering for two of the same class, date & location.

**Not valid with any other discounts or special offers.

**Not valid for private or two-day classes.

**One buy one get one free offer per company, per year.

**Expires November 2010.

**TWO FREE
SPACES AT A 2010
G-FORCE TECHNICAL
TRAINING WHEN A
COMPANY OWNER PAYS
AND ATTENDS A CLASS! ****

**Offer only valid when registering for the same class, date & location.

**Not valid with any other discounts or special offers.

**Not valid for private or two-day classes.

**One buy one get one free offer per company, per year.

**Expires November 2010.

Company owner **must attend to qualify for two free spaces!



heating

HANDS-ON FURNACE TROUBLESHOOTING

Students will learn:

- Flame rectification
- Ignition control troubleshooting
- Pressure switch troubleshooting
- Blower motor troubleshooting
- Component failure diagnosis
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	2/16/10	4:30 pm
Syracuse, NY	2/23/10	4:30 pm
Rochester, NY	2/24/10	4:30 pm

HEAT PUMP TECHNIQUES & PROCEDURES

Students will learn:

- Installation and service of fossil fuel, add-on heat pumps and traditional electric backup
- System performance
- How to determine proper airflow rating
- How to determine correct temperature rise
- Troubleshooting the refrigeration circuit
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	9/21/10	4:30 pm
Syracuse, NY	10/5/10	4:30 pm
Rochester, NY	10/6/10	4:30 pm
Buffalo, NY	10/7/10	4:30 pm
Youngwood, PA	10/26/10	4:30 pm

**Class dates and times subject to change*

ADVANCED HEATING

Students will learn:

- How to calibrate air flow and temperature rise per manufacturer specs
- Flame rectification principles
- Matching airflow to the outdoor section for reduced noise and optimum performance
- Tuning furnace performance as opposed to “it blows air”
- Using performance tests to prevent repeat part failures, reducing call backs
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	11/2/10	4:30 pm
Syracuse, NY	11/9/10	4:30 pm
Rochester, NY	11/10/10	4:30 pm
Buffalo, NY	11/11/10	4:30 pm

HEATING BASICS FOR NEWER TECHS

Students will learn:

- How to troubleshoot switches, loads, power supplies, transformers and flame circuits
- How to enhance on-site accuracy
- How to provide more efficient service levels
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Buffalo, NY	2/25/10	4:30 pm

**Class dates and times subject to change*



heating

VARIABLE SPEED HEATING AND COOLING

Students will take General Electric's powerpoint presentation on their ECM motor. Students will learn:

- Differences in performance between PCS motors and ECM motors to set proper air flow
- Why variable speed motors do not fix bad duct systems
- How to troubleshoot the variable speed motors with multimeters they already own
- How to set the motors for optimum performance in both heating and cooling
- How to set up the variable speed motor to automatically give a single stage A/C two cooling capacities
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	12/7/10	4:30 pm
Syracuse, NY	12/14/10	4:30 pm
Rochester, NY	12/15/10	4:30 pm
Buffalo, NY	12/16/10	4:30 pm

**Class dates and times subject to change*

FURNACE CLEAN AND CHECK

Students will learn:

- Proper procedures for annual service inspection
- Heat exchanger inspection tips
- How to properly communicate inspection findings to homeowner, showing the value of the clean and check
- How to identify issues that present profit opportunities

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	8/24/10	4:30 pm
Syracuse, NY	8/31/10	4:30 pm
Rochester, NY	9/1/10	4:30 pm
Buffalo, NY	9/2/10	4:30 pm

**Class dates and times subject to change*



cooling

R-410A and GOODMAN / AMANA UNITS

Students will learn:

- R-410A refrigerant procedures
- R-410A charging methods
- Piping and servicing procedures for R-410A units.
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	1/5/10	4:30 pm
Syracuse, NY	1/26/10	4:30 pm
Rochester, NY	1/27/10	4:30 pm
Buffalo, NY	1/28/10	4:30 pm
Youngwood, PA	2/2/10	4:30 pm

BASIC A/C INSTALLATION AND SERVICE FOR NEWER TECHS

Students will learn:

- Proper installation practices for piping, setting, and electrical
- Proper service procedures for basic troubleshooting
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	3/9/10	4:30 pm
Syracuse, NY	3/23/10	4:30 pm
Rochester, NY	3/24/10	4:30 pm
Buffalo, NY	3/25/10	4:30 pm

**Class dates and times subject to change*

ADVANCED A/C SERVICE

Students will learn:

- Techniques to calculate airflow
- Setting correct airflow
- Charging procedures
- Causes of electrical and mechanical failures
- Reducing operating noise and cost of operation
- Reducing humidity
- Utilizing the built-in capacity dehumidification capabilities on variable speed systems
- Piping practices
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	4/6/10	4:30 pm
Syracuse, NY	4/20/10	4:30 pm
Rochester, NY	4/21/10	4:30 pm
Buffalo, NY	4/22/10	4:30 pm

A/C COMPRESSOR DIAGNOSTICS & PERFORMANCE

Students will learn:

- Compressor operation, design and techniques to diagnose and prevent failures
- How to determine superheat and subcooling charging techniques
- Proper piping practices
- How to identify new profit centers

Open to all all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
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** Call to schedule **

**Class dates and times subject to change*



cooling

A/C REFRIGERANT CIRCUIT TROUBLESHOOTING

This class will concentrate on the refrigerant circuit and the compressor. Students will learn:

- How to diagnose problems using gauges and thermometers
- Practical looks at the piping, compressor, and metering devices
- What the readings mean
- Improve diagnostic ability resulting in more accurate conclusions and cutting back on costly errors and unnecessary replacements
- Students will take practical pre-class and post-class tests

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

<u>Location</u>	<u>Date</u>	<u>Time</u>
Pittsburgh, PA	5/4/10	4:30 pm
Syracuse, NY	5/18/10	4:30 pm
Rochester, NY	5/19/10	4:30 pm
Buffalo, NY	5/20/10	4:30 pm

**Class dates and times subject to change*



mechanical

IGNITION CONTROLS

Students will learn:

- Flame rectification
- Goodman/Amana ignition control systems past and present
- Pilot spark systems
- Hot surface systems
- Universal controls
- Compatibility, service, and installation tips
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

Location

Date

Time

** Call to schedule **

COMBUSTION ISSUES AND HEAT EXCHANGER INSPECTION

Students will learn:

- The importance of installation and vent system for proper combustion
- How to evaluate the installation area per the national fuel gas code
- What hazards do most homes have that adversely affect combustion
- Flame rectification basics
- Troubleshooting pressure switches and rollout switches
- Testing for faulty heat exchangers
- Handling CO1 nd combustible gas calls
- Running the combustion tests and using the results to improve unit performance
- How to identify new profit centers

Open to all HVAC contractors wanting to sharpen their troubleshooting skills and servicing knowledge.

Location

Date

Time

** Call to schedule **



private training

FURNACE CLEAN AND CHECK

Contractors spend large sums of money every year on marketing their services to the public. These efforts may involve yellow pages, direct mail or electronic media. Far more effective means of marketing are already within your company - the service technician at your customer's home can be the most productive marketing tool.

The G-Force Technical Training program can provide the technical training your technicians need to properly service gas and propane furnaces. The program will also train technicians how to uncover opportunities for additional products and services that every home needs.

The G-Force program will:

- Teach employees how to properly introduce themselves and your company with a segway that will help them uncover areas of the home that are of concern to the homeowner
- Enable students communicate to the homeowner the value of the service(s) they are providing
- Allow students to learn how to visually examine the home for areas where your company can provide improvement
- Teach students the correct testing procedures for proper system evaluation and servicing and identify problem areas where changes need to be made
- Help students understand more thoroughly what the company and the customer really want during a clean and check

Class will utilize PowerPoint, Hands-On Training and Role Play. Due to the business specifics of this technical class, it is strongly recommended that a "decision maker" attend this class.

Classes are two-day sessions.

Day One - Training

Day Two - Role Play and Testing

Fee: \$300 per student

Companies training 5 people or less will be charged a minimum \$1500

Class size limited to 3 technicians and 2 company decision makers



private training

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The G-Force Technical Training program can provide the technical training your technicians need to properly service A/C and heat pump equipment. The program will also train technicians how to uncover opportunities for additional products and services that every home needs.

The G-Force program will:

- Teach employees how to properly introduce themselves and your company with a segway that will help them uncover areas of the home that are of concern to the homeowner
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