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**Supplied as addendum to catalogue:**

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>• Welcome letter</li> <li>• Course Topics</li> <li>• Class Schedule</li> <li>• Student Information Sheet</li> </ul> | <ul style="list-style-type: none"> <li>• Student Enrollment Form</li> <li>• Tool List</li> <li>• Local RV Parks &amp; Hotel/Motels</li> </ul> | <ul style="list-style-type: none"> <li>• IRS tuition and fees deduction schedule (sample only)</li> </ul> |
|--|---|---|

# ***RV TRAINING CENTER***

Is owned by Recreational Vehicle Training Center, Inc.  
12851 66th Street  
Largo, Florida 33773  
Phone: (727) 536-4694

## **STATEMENT OF LEGAL CONTROL OFFICERS**

PRESIDENT – Dan Mackie  
VICE PRESIDENT – Gail Mackie  
SECRETARY – Gail Mackie  
TREASURER – Gail Mackie  
DIRECTOR OF EDUCATION/HEAD INSTRUCTOR – Sam Alsop  
DIRECTOR - Ron Hadley, Ph.D.

## **ADMINISTRATIVE STAFF**

Administrator – Gail Mackie  
Computer Support – Joyce Alsop

## **FACULTY**

Sam Alsop – Director of Training, Director of Education, Head Instructor

## **LICENSED BY**

Licensed by the Commission for Independent Education, Florida Department of Education.  
Additional information regarding this institution may be obtained by contacting the Commission  
at 325 West Gaines St., Ste. 1414, Tallahassee, FL 32399-0400, toll-free telephone number (888)  
224-6684."

## **FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT**

Pursuant to the Family Educational Right and Privacy Act of 1974, as amended, a student or former student has the right to inspect his or her educational record maintained by the school. When a student wishes to inspect his/her records, an appointment will be made with the school and files will be inspected by the student under the supervision of a member of the administrative staff. Information will not be released by the school unless agreed upon with the student in writing. A form will be provided for this purpose.

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## **PURPOSE**

Recreational Vehicle Training Center was established to provide students with comprehensive training and employable skills for the RV service industry. We are a progressive vocational school that will monitor the market's needs and continually strive to meet those emerging needs.

RV Training Center will attempt to become the leader in training by developing service and repair skills for both RV service technicians and RVers alike. With the help of manufacturers and our knowledgeable staff, our training program will prepare students to take our own comprehensive certification test as well as the Recreational Vehicle Industry Association (RVIA) exam, a nationally recognized industry exam that also paves the way for master certification and further enhances their credentials.

## **PROGRAM OVERVIEW**

Our experienced staff will teach and coordinate the program. From time to time, selected manufacturer representatives may provide presentations and materials on various subjects during our 10-week course. This provides students with the current product information, and gives them knowledge of future products and services becoming available in the RV industry. Our staff understands hands-on training is the best type of training and for this reason approximately half of the student's time will be spent in the lab.

## **PROGRAM OBJECTIVES**

1. To teach students the best and safest practices to maintain and service RVs for high performance throughout the life of the vehicle.
2. To encourage students to stay abreast of current trends, standards and technology in the recreational vehicle industry.
3. To teach students the skills required to provide their customers with exceptional customer service.
4. To prepare students to earn and maintain certification as an RV Service Technician.

## **ADMISSION GUIDELINES**

Applicants may apply by completing the application form provided and submitting a \$100 non-refundable application fee. Admission to Recreational Vehicle Training Center is open to all who have a high school diploma or G.E.D. and have the desire to learn RV service and repair. Students who have neither a high school diploma nor a GED may be admitted if they score at grade 10 or higher on the TABE, Level A. This test must be administered by an independent testing service. Recreational Vehicle Training Center may administer the Career Decision Making Aptitude Survey as part of our admissions program to help determine aptitude. All correspondence should be mailed to:

RV Training Center  
12851 66th Street North  
Largo, Florida 33773

## **GRADING SYSTEM**

Grades will be determined by using a numeric percentage to determine one of five letters to report student progress.

E = Excellent – Indicates that student has achieved at least 90% mastery of objectives in area of study.

S = Satisfactory – Indicates student has achieved between 80% - 89% mastery of objectives in area of study.

N = Needs improvement – Indicates student has achieved between 70% - 79% mastery of objectives in area of study.

U = Unsatisfactory – Indicates student has achieved a grade of 69% or less.

I = Incomplete – Indicates student has not completed all requirements of the course.

## **STUDENT PROGRESS**

Student progress will be evaluated at the end of each segment studied. Students must have achieved mastery of at least 70% of objectives listed for each area of study. If a student falls below the 70% mastery level in four academic courses, he will be placed on academic probation. This is a warning that academic progress is in jeopardy of falling below a satisfactory level. The student may retake the course and retest during scheduled RV Training Center hours up to one year from the original enrollment date. Probationary period will last for 2 weeks or until the student reaches academic progress above 70% mastery level. Dropping lower than 70% achievement in an additional course will result in termination from the program. In no case will the student be permitted to enroll in more than a total of 400 clock hours in the RV course to satisfactorily complete the program. A student who completes only part of the program will receive a certificate listing the courses successfully completed. Students successfully completing the entire program will receive a diploma. Student records are maintained by the school permanently.

## **REFUND POLICY**

Should a student terminate or cancel for any reason, all refunds will be made according to the following refund schedule:

1. Cancellation can be made in person, by electronic mail, by Certified Mail or by termination.
2. All monies will be refunded if the school does not accept the applicant or if the student cancels within three (3) business days after signing the enrollment agreement and making initial payment.
3. Cancellation after the third 3rd Business Day, but before the first class, will result in a refund of all monies paid, with the exception of the registration fee.
4. Cancellation after attendance has begun, but prior to 40% completion of the program, will result in a Pro Rata refund computed on the number of hours completed to the total program hours.
5. Cancellation after completing 40% of the program will result in no refund.
6. Termination Date: When calculating the refund due to a student, the last date of actual attendance by the student is used in the calculation unless earlier written notice was received.
7. Refunds will be made within 30 days of termination of the student's enrollment or receipt of a Cancellation Notice from the student.

## **VETERAN'S REFUND POLICY**

(For use by Non-Accredited Institutions Only)

The refund of the unused portion of tuition, fees, and other charges for veterans or eligible persons who fail to enter a course or withdraw or discontinue prior to completion will be made for all amounts paid which exceed the approximate pro-rata portion of the total charges that the length of the completed portion of the course bears to the total length of the course. The pro-ration will be determined on the ratio of the number of days or hours of instruction completed by the student to the total number of instructional days or hours in the course.

## **TERMINATION POLICY**

A student may be terminated from the program for the following reasons:

1. If a student falls below the 70% mastery level in five (5) courses.
2. If a student has three (3) unexcused absences or any combination of six (6) absences.
3. If a student is guilty of theft or defacement of school property.
4. If tuition payment is more than five (5) school days late as due in the Enrollment Agreement.
5. A student can be dismissed at the discretion of the Director, for insufficient progress, disruptive behavior in class or lab, nonpayment of costs, or failure to comply with R V TRAINING CENTER rules.
6. If a student abuses our drug and alcohol policy and refuses to seek counseling as directed by the school.

## **STUDENT APPEAL**

Students who are terminated after failing to achieve minimum requirements may appeal this decision. The student must submit written appeal to the Director of Training, along with any supporting documentation, reasons why the decision to terminate should be reversed, and a request for re-evaluation of progress. This appeal must be received by the Director of Training within five (5) business days of the termination. Should a student fail to appeal this decision, the decision to terminate will stand.

A meeting will be scheduled within three (3) business days of receipt of the written appeal. This meeting will be attended by the student, (parent/guardian if the student is a dependent minor), the student's instructor and the Director of Training. A decision on the students appeal will be made within 24 hours by the Director of Training and will be communicated in writing. This decision will be final.

Should a student prevail in his/her appeal and be determined as making satisfactory progress, the student will automatically re-enter the course and financial aid funds will be reinstated to eligible students.

## **STUDENT COMPLAINTS**

The following policy will be followed regarding students complaints:

1. Complaints must be filed within two weeks of the occurrence.
2. Bring your complaint to the Instructor. If no solution is reached;
3. Bring the complaint to the Director. If no solution is reached;
4. Submit a written letter outlining the complaint to:

Commission for Independent Education - Florida Department of Education,  
325 West Gaines St., Ste. 1414, Tallahassee, FL 32399-0400, Toll-free telephone number (888) 224-6684

## **STUDENT CONDUCT**

While enrolled in the program students are expected to conduct themselves in a professional manner. Unacceptable conduct includes (but is not limited to) illegal drug use, drunkenness, disruptive behavior at school or violation of any state or local laws. Unacceptable conduct will result in dismissal from the program.

## **RE-ADMITTANCE POLICY**

Students who withdraw or are dismissed for any reason may re-enroll in a later class. The student will complete an interview with the Director of Training. After approval from the Director, the student may submit an updated enrollment agreement.

## **SAFETY**

Students are required to use safe conduct which includes:

1. Wearing safety equipment (such as safety glasses and back belts) when necessary.
2. Using proper lifting techniques.
3. Reporting any accidents immediately to the instructor.
4. No horse play.

## **SMOKING**

Smoking is not allowed inside any school building or outside on school property except in the designated areas.

## **PREVIOUS EDUCATION & TRAINING TRANSFER CREDIT**

Current certified courses taken at other institutions may be accepted, provided the courses are comparable in content to courses taught at the RV Training Center and the student passes our module test with a score of 70% or better in that subject. Credit may also be given for training or experience in specific study areas. Example: an air conditioning tech or a trailer brake tech may test out of course in these areas if they can pass our module tests with a score of 70% or better. The fee for these module tests will not exceed \$50.00 for each course of study. R V Training Center will accept up to 75% transfer of credits if the student qualifies by the testing and experience mentioned here. At least 25% credits must be taken at the award issuing institution. Transfer of credit from another institution is at the discretion of the accepting institution, and it is the student's responsibility to confirm whether or not credits will be accepted by another institution of the student's choice.

## **VETERAN'S CREDIT FOR PREVIOUS EDUCATION OR TRAINING**

Students must report all education and training. The school must evaluate and grant credit, if appropriate, with the training time shortened, the tuition reduced proportionately, and the VA and student notified.

## **FINANCIAL AID**

There is information available for financial assistance, such as Veteran's Affairs, Vocational Rehabilitation, Workforce Investment Act, and an institution payment plan. Prospective students may call or make an appointment to see the Administrator between the hours of 9:30 a.m. and 4:30 p.m. Monday through Friday. Evening and weekend hours may be available upon request.

## CLASS SCHEDULE

All regular day classes commence at 8:00 a.m. and terminate at 4:30 p.m. Monday through Friday. A lunch break is scheduled from 12:00 noon to 12:30 p.m. daily. Occasionally, it may be necessary to conduct class on a Saturday.

## CLASS SIZE

Due to our hands-on approach to learning, maximum class size is 16, giving each student the opportunity for more individual attention and assistance. The RV Training Center reserves the right to cancel class with notice of five (5) days before beginning of class if minimum enrollment of four (4) students cannot be met. Average class size expected is 8-12 students.

## ACADEMIC YEAR

Recreational Vehicle Training Center's academic school year will begin during the first week of each year, beginning January. Each class, (a total of four 10-week classes annually) begins every January, March, July and September. Please see the attached Addendum for the exact starting and graduation dates.

Seminars and/or makeup classes may be held either during or between regular sessions. A minimum of 400 clock hours are required to complete the R V Technician program. Fifty (50) minutes of instruction is considered one clock hour.

We do not hold classes on the following holidays:

New Years Day  
Labor Day

Easter  
Thanksgiving

Memorial Day  
Christmas

July 4<sup>th</sup>

## ATTENDANCE

The instructor will monitor student attendance and tardiness throughout the entire 10-week course. Regular attendance is required unless other arrangements are made in advance.

**Excused Absence:** An excused absence is one that is due to illness, death in the immediate family, and other unavoidable circumstances; however, the school must be informed of the reason or those absences will be recorded as unexcused.

**Unexcused Absence:** Days of learning lost due to absence cannot be regained. Since our training is intense, any unexcused absence may result in academic difficulty. Three (3) unexcused absences will result in termination from the program.

**Tardiness:** Students who arrive more than thirty (30) minutes late for class will be considered absent from class.

## **EQUIPMENT AND SUPPLIES**

The students attending the RV Training Center will receive training on modern components and equipment used in the RV industry today. This has been made possible through the support of the major manufacturers supplying the RV industry. Some of the many manufacturers and distributors who contribute to the program are:

Atwood	Generac	Manchester	Progressive Dynamics	Seelye	Trail Air
Carefree	Hayden	Marshall Brass	Pull Rite	Shurflo	Zantrex
Carrier	Honda	Norcold	RVP	Suburban	
Dinosaur	ITT Jayco	Onan	Reese	Tekonsha	
Dometic	Magic Chef	Parallax	SeaLand	Thetford	

## **HANDICAPPED FACILITIES**

The RV Training Center has provisions for the training of handicapped persons. Our building is on one level and can accommodate students who may be handicapped.

## **NON-DISCRIMINATION POLICY**

No person shall, on the basis of gender, race, national origin or disability,\* be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity under the direction and control of the Recreational Vehicle Training Center.

\*Persons must have use of their hands and arms and have correctable vision and hearing to participate in this vocation safely.

## **ACCREDITATION**

No data Available.

## **LOCATION AND FACILITIES**

RV Training Center is located on two acres in Largo of Pinellas County, Florida less than one mile west of U.S. 19 and just over five miles west of I-275 where it runs through St. Petersburg. The school buildings are single story and total about 1900 sq. ft. Less than a five minute walk from the school will bring you to three campgrounds, one hotel, and three eating establishments. If this isn't enough, we have included a list with your catalogue of many more options within five miles of the school.

## **STUDENT SERVICES**

The school supplies a student research center that is available for students to research course related topics. Equipment includes computer and Internet access, industry catalogs, and publications. It is available during noon break and from 3:30 p.m. to 4:30 p.m., Monday through Friday. The school also supplies a refrigerator, microwave oven, toaster, coffeemaker and water machine for use by students. For those who haven't mastered the culinary arts, we have a Dunkin' Donuts and a Burger King, or Arbys, less than 1/10<sup>th</sup> of a mile away.

## TUITION, FEES AND PROGRAMS OFFERED

Although all fees are subject to change at any time by the RV Training Center for new students, those already accepted for enrollment will be charged as posted.

1. <b>Application Fee</b> for each course. (Non Refundable unless class is cancelled.)	\$ 100.00
2. <b>R.V. Technician</b> .....10 weeks/400 hrs. (No one may test out of the first two (2) weeks.)	\$ 5900.00
3. <b>R. V. 1, 2, 3</b> ..... 80 hrs. (This course is a pre-requisite for any subsequent modules.)	\$ 1475.00
4. <b>R. V. 5, 7, 12</b> .....96hrs.	\$ 1770.00
5. <b>R. V. 4, 8, 9</b> .....90 hrs.	\$ 1660.00
6. <b>R. V. 10, 11</b> .....80 hrs.	\$1475.00
7. <b>R. V. 6, 13, 14</b> .....48 hrs.	\$885.00
8. Fee charged each time a student's check is returned by bank	\$ 35.00

Note: R. V. Course sections can be taken individually after completing pre-requisite R. V. 1, 2, 3.

## PROGRAM DESCRIPTIONS

**R V Technician:** This 10 week program prepares students to work safely to maintain and service recreational vehicles as a certified R V Service Technician.

**R V 1, 2, 3:** This 2 week program is a pre requisite for all of our programs. Students learn RV industry terms, liability, tools, repair materials, resources, LP gas history, L P safety, L P service, and basic AC and DC electricity including theory, laws, methods, test instruments and testing.

**R V 5, 7, 12:** This is a 2 ½ week program where students learn basic RV electrical systems, such as panels, switches, solar, converters, chargers, inverters, awnings, slide systems, electric steps, leveling, cooking appliances and r v generators. R V Generators includes troubleshooting, service and maintenance.

**R V 4, 8, 9:** This 2 ½ week program will teach students how to troubleshoot and repair r v plumbing systems, r v water heaters and r v heating systems.

**R V 10, 11:** This is a 2 week program. Students will learn r v air conditioning theory, troubleshooting, and service. The 2<sup>nd</sup> week students will learn r v absorption type refrigerators and how to maintain, diagnose and service.

**R V 6, 13, 14:** This program is 6 days and includes r v trailer brakes, hitches and towing and how to diagnose, service and maintain them. Students also learn basic r v body damage and repair and how to complete an r v pre-delivery inspection. (PDI)

## **JOB PLACEMENT ASSISTANCE**

The Recreational Vehicle Training Center assists in work placement at no additional cost to its students and graduates.

RV Training Center cannot GUARANTEE employment; However, R.V.T.C. graduates may have an opportunity for employment by many recreational vehicle dealers in the country. Specific career advice and placement information is available from the school's Director and also posted on the bulletin board.

## **CONTINUED TRAINING**

Any graduate of the Recreational Vehicle Training Center who wishes to refresh their knowledge of the repair and maintenance of a component may, at any time, enroll in a class for a nominal fee ranging from \$ 50.00 to \$100.00 per segment. Acceptance is dependent on current class size.

Continuing education classes may be added in the future as industry needs dictate (example: one (1) week course in slide-out rooms). These continuing education classes will be scheduled at enrollment and pre-requisite will be RV certification. Prices will be published at the time of implementation.

## **DESCRIPTION OF COURSE NUMBERING SYSTEM**

The course numbers are made up of numbers and letters that represent the title of the program and the sequence of the courses offered.

## **ABOUT OUR STAFF**

### **Dan Mackie, President/Co-Founder/Owner**

Dan has owned and operated Happy Cars Inc. (Car, Truck, and RV Sales) in Largo, Florida for the last 23 years. He was also a dealer for ultra-light aircraft for a short time. Previously, he owned and operated an aluminum siding company and worked a couple jobs related to the Steel Industry in the Chicago area. Dan is an RVTC Master Certified R. V. Technician and also an RVIA/RVDA Certified R V Technician.

### **Gail Mackie, Vice President/Secretary/Treasurer/Administrator**

Gail has worked at operating Happy Cars Inc. in Largo, Florida with her husband Dan for the last 23 years. She is experienced in accounts receivables, title work, business accounting, customer relations, and employee supervision. She is a notary public. Previously, Gail owned and operated her own property and casualty insurance agency as a licensed agent. Gail is an RVTC and RVDA/RVIA Master Certified R.V. Technician.

### **Sam Alsop, Co-Founder/Director of Education/Head Instructor**

Sam has had his own Florida business, Generators Plus, for over 8 years. He started this business after working as an RV Technician at Bill's RV Sales & Service in St. Petersburg, FL for 3 years. He was an instructor for the Diesel Institute of America in Tampa, FL for 3 years, a consultant for the Department of Education Aquaculture Program in Bridgeport, Connecticut, and Diesel Department Head and Instructor at Howell Cheney Regional Vocational Technician School in Manchester, Connecticut. Sam also had over 25 years experience in the marine mechanical field (M.E.P.) while in Connecticut. Sam is an RVDA/RVIA Master Certified R.V Service Technician and Instructor. Also, Universal EPA certified in Air Conditioning and Refrigeration.

### **Ron Hadley, Ph.D./Director/Advisor/Consultant**

Ron retired several years ago after 12 years of teaching small business courses as a professor at U.S.F. in Tampa, Florida. Previously, he taught various high school courses in Tarpon Springs, Florida. Since his "retirement" he has become a real estate investor and a business entrepreneur, owning at present about eight different businesses.

### **Joyce Alsop, Computer Support**

Joyce has over 30 years of office administration experience with various companies in Florida such as Florida Power, Prudential Home Mortgage, Lickton Design, Suncoast RV and Triangle Consulting where she provided administrative and office computer services. She is also a notary public.

# DESCRIPTION OF COURSES:

## R. V. TECHNICIAN

### **RV-1 SCHOOL AND RV INDUSTRY ORIENTATION**

**(20 Hours)**

**Includes:**

#### **RV-1A Orientation**

#### **RV-1B Service Tech Liability**

- 1) Safety and injuries (tools, equipment, supplies, procedures)
- 2) Legal responsibilities & liabilities
- 3) Repair orders
- 4) Installation & repair liabilities
- 5) Federal safety color codes
- 6) Fire extinguishers

#### **RV-1C RV Nomenclature**

- 1) Classification of RVs
- 2) Glossary of common RV terms

#### **RV-1D Fasteners, Tools, and Measuring Instruments**

- 1) Classifications and use of nuts, bolts, washers and other types of fasteners
- 2) Why and how to properly torque fasteners
- 3) Care and use of common hand tools and measuring instruments

#### **RV-1E RV Repair Materials, Frozen Parts, Gaskets, Seals & Bearings**

- 1) Repair materials suitable for use on RVs
- 2) Use of hazardous repair materials (sealants, adhesives, anti-seize & locking compounds)
- 3) Freeing up and removal of frozen parts
- 4) Thread repair/replacement methods
- 5) Types and applications of gaskets, seals, and bearings

#### **RV-1F RV Industry Resources Guide**

- 1) New and used RV parts
- 2) RV industry publications (w/phone #s, addresses)
- 3) RV industry e-mails and websites

### **RV-2 LP GAS**

**(20 Hours)**

**Includes:**

- **History**
  - 1) Theory of origin of hydrocarbons
  - 2) Hydrocarbon family tree
  - 3) Development of LP industry from early 1900's
  - 4) Development of regulations for LP industry
- **Safety**
  - 1) Combustion characteristics
  - 2) Heat values
  - 3) Storing as liquids
  - 4) Vaporization points
  - 5) Flammability and ignition points
  - 6) LP health hazards

**RV-2 LP GAS (Cont'd)**

## **RV-2 LP GAS (Cont'd)**

- **Handling**
  - 1) DOT and ASME tanks
  - 2) Tank valves & fittings
  - 3) Data tag information
  - 4) Styles and changes in tank
  - 5) Vapor and liquid withdrawal
- **Service**
  - 1) Filling tanks
  - 2) Hooking up systems
  - 3) Adjusting and testing system
  - 4) System maintenance

## **RV-3 BASIC ELECTRICITY**

**(40 Hours)**

**Includes:**

- **Theory**
  - 1) Glossary of RV electrical terms
  - 2) Electrical symbols and what they mean
  - 3) What is electricity and how does it work
- **Types of Current Flow (AC & DC)**
  - 1) AC electric – How it's made, where we get it, what we use it for,
  - 2) DC electric – How it's made, where we get it, what we use it for.
  - 3) AC/DC systems
- **Methods of Producing Electricity**
  - 1) Friction – least used
  - 2) Pressure – squeezing crystals
  - 3) Heat – thermoelectric
  - 4) Light – solar energy
  - 5) Chemical – chemical reaction in a battery cell
  - 6) Magnetism (Electro Magnetic Field)
- **Storing D.C. Electricity (Batteries)**
  - 1) Types and sizes of batteries
  - 2) Deep cycle batteries
  - 3) Starting batteries
  - 4) Maintenance and charging of batteries
  - 5) Battery charger types and charge rates
- **Laws of Electricity**
  - 1) 6 rules of electrical behavior (magnetism)
  - 2) Ohm's law
  - 3) Watts Law
  - 4) 3 requirements before voltage can be produced (by magnetism)
  - 5) 8 laws of series and parallel circuits (4 each)
- **Electrical Math Problems**
  - 1) Determining wire size for load of circuit
  - 2) Formulas for total circuit resistance
  - 3) Ohm's law formulas (made easy)
  - 4) Watt's law formula (made easy)

**RV-3 BASIC ELECTRICITY (Cont'd)**

### **RV-3 BASIC ELECTRICITY (Cont'd)**

- **Using Electrical Test Instruments**
  - 1) **Voltmeter**
  - 2) **Ohmmeter**
  - 3) **Ammeter**
  - 4) **Test light**
  - 5) **Megger**
  - 6) **Current monitor (AC)**
  - 7) **Adjustable carbon pile resistor**
  
- **Testing and Checking Components/Circuits**
  - 1) **Voltage test**
  - 2) **Voltage drop test**
  - 3) **Ohms Test**
  - 4) **Check for grounds, shorts, and opens**

### **RV-4 RV PLUMBING SYSTEMS**

**(32 hours)**

**Includes:**

- **Supply and Drainage Systems**
  - 1) **Theory and Design**
    - A) **Supply system**
    - B) **Drainage system**
  - 2) **Maintenance and Repair**
    - A) **Supply system**
    - B) **Drainage system**
  
- **Water Supply Pump**
  - 1) **Theory & Design**
    - A) **Constant speed/variable press (Traditional)**
    - B) **Variable speed/constant pressure (New)**
    - C) **12/24 VAC or 120 VAC**
  - 2) **Repair and Maintenance**
  
- **Accumulators**
  - 1) **Theory**
  - 2) **Construction**
  - 3) **Applications**
  
- **Toilets**
  - 1) **Construction/Types**
  - 2) **Installations**
  - 3) **Maintenance**
  - 4) **Trouble shooting**
  - 5) **Repairs**
  
- **Tanks and Valves**
  - 1) **Types/Sizes**
  - 2) **Installation**
  - 3) **Maintenance**
  - 4) **Repairs/Replacement**

### **RV-4 RV PLUMBING SYSTEMS (Cont'd)**

#### **RV-4 RV PLUMBING SYSTEMS (Cont'd)**

- **Mascerator Pumps**
  - 1) **Construction**
  - 2) **Applications/Installations**
  - 3) **Repairs/Replacement**
  
- **Water Hoses and Pressure Regulators**
  - 1) **Applications/Construction**
  - 2) **Installation and use**
  
- **Tank Monitors**
  - 1) **Applications**
  - 2) **Troubleshooting**
  - 3) **Repairs/Replacement**
  
- **Plastic Welding**
  - 1) **Tools and Equipment**
  - 2) **Applications and Materials**
  - 3) **Instructions and use**
  - 4) **Repairs**
  
- **Sanitizing and Winterizing**
  - 1) **Sanitizing potable water tanks and systems**
    - A) **Trailers**
    - B) **Motor homes**
  - 2) **Winterizing potable and waste water tanks and systems**
    - A) **Trailers**
    - B) **Motor homes**

#### **RV-5 RV ELECTRICAL SYSTEMS**

**(32 Hours)**

**Includes:**

##### **RV-5A Basics**

##### **RV-5B AC Systems**

- 1) **30 and 50 amp panels and switches**

##### **RV-5C DC SYSTEMS**

- 1) **Panels and switches**
- 2) **Alternators and isolators**
- 3) **Cranking systems**
- 4) **Solar panel systems**

##### **RV-5D AC/DC Systems**

- 1) **Converter/Chargers**
- 2) **Inverters and systems**

- **Miscellaneous Data**

- 1) **Color codes**
- 2) **Electronic components**
- 3) **Electric soldering**

**RV-6 RV TRAILER BRAKES, SUSPENSIONS, HITCHES AND TOWING (32 Hours)**

**Includes:**

**RV-6A Trailer Brakes and Controllers**

- 1) Electric/hydraulic
- 2) Drum/disc

**RV-6B Hitches and Classifications**

**RV-6C Types of Hitches**

**RV-6D Towed Cars Supplemental Brakes Systems**

**RV-6E Towing Accessories**

- 1) Auxiliary coolers and fans
- 2) Lube systems

**RV-6F Under/overdrives and Exhaust Brakes**

**RV-6G Suspensions, Tires and Steering Accessories**

**RV-7 ACCESSORIES AND APPLIANCES (24 Hours)**

**Includes:**

**RV-7A Awnings (Manual and Electric)**

- 1) Manual
- 2) Electric

**RV-7B TV Antennas**

**RV-7C Electrical Steps**

**RV-7D RV Leveling Systems**

**RV-7E Room Slide Systems**

**RV-7F Cooking Appliances**

**RV-8 WATER HEATERS (18 Hours)**

**Includes:**

- Brands (Suburban, Atwood, Precisionist)
- Types (Tank, Tankless, LPG, Electric)
- Ignition Types (Pilot, Direct Spark Ignition)
- Service and Troubleshooting

**RV-9 HEATING SYSTEMS (40 Hours)**

**Includes:**

- Brands (Suburban, Atwood, Aquahot)
- Types (Warm Air, Hydronic)
- Installations (Ducted, Piped)
- Service and Troubleshooting

**RV-10 RV AIR CONDITIONING (40 Hours)**

**Includes:**

- Theory (Coolers and Heat Pumps)
- Brands (Duotherm, RVP, Carrier)
- Types (Ducted, ADB, Basement)

**RV-11 RV ABSORPTION TYPE REFRIGERATORS (40 Hours)**

**Includes)**

- Theory (Physics)
- Brands (Dometic and Norcold)
- Service and Troubleshooting
- Cooling Units

**RV-12 RV GENERATORS (40 Hours)**

**Includes:**

- Brand Names
- Gas, LPG, Diesel
- Air Cooled and Liquid Cooled
- Constant Speed and Inverter Types
- Service
- Tune-up and Adjustments
- Troubleshooting

**RV-13 BODY DAMAGE AND REPAIR (8 Hours)**

**Includes:**

- Types of Construction
- Floor Repair
- Body Repair
- Maintenance
- Rubber Roofs
- Screen Repair

**RV-14 PDI (PRE-DELIVERY INSPECTION) (8 Hours)**

**Includes:**

- Definitions and Purpose (New and Used)
- Procedures
- Follow-up

**RV-15 RVTC TECHNICIAN CERTIFICATION TEST (6 Hours)**

**DESCRIPTION: R. V. 6, 13, 14**

**This course combines: TRAILER BRAKES, SUSPENSIONS, HITCHES AND TOWING (R. V. 6), BODY DAMAGE AND REPAIR, (R. V. 13), and PDI (PRE-DELIVERY INSPECTION, R. V. 14).**

## DESCRIPTION: R. V. 1, 2, 3

This course combines: SCHOOL AND RV INDUSTRY ORIENTATION (R. V. 1), LP GAS (R. V. 2), and BASIC ELECTRICITY (R. V. 3).

## DESCRIPTION: R. V. 10, 11

This course combines: RV AIR CONDITIONING (R. V. 10) and RV ABSORPTION TYPE REFRIGERATORS (R. V. 11).

## DESCRIPTION: R. V. 4, 8, 9

This course combines: RV PLUMBING SYSTEMS (R.V. 4), WATER HEATERS (R. V. 8) and HEATING SYSTEMS (R. V. 9).

## DESCRIPTION: R. V. 5, 7, 12

This course combines: RV ELECTRICAL SYSTEMS (R. V. 5), ACCESSORIES AND APPLIANCES (R. V. 7) and RV GENERATORS (R. V. 12).

## DIRECTIONS TO OUR SCHOOL

RV Training Center is located in Largo, Florida 33773. **From US 19 North or South**, head west on Ulmerton Road (FL 688), one block. Get in the **left** lane to take 66<sup>th</sup> Street. Turn left at the first turnaround after the large Happy Face sign on the left (.3 miles) and turn right into the Happy Face driveway. (12851 66th Street)

**From I-275 Northbound**, get off exit 30 onto FL-686 Westbound (toward Largo/Clearwater for 2.9 miles)

Stay STRAIGHT to go onto ULMERTON ROAD (FL-688) Westbound for 2.3 miles.

Turn left onto 66<sup>TH</sup> STREET (FL-693) Southbound for .3 miles

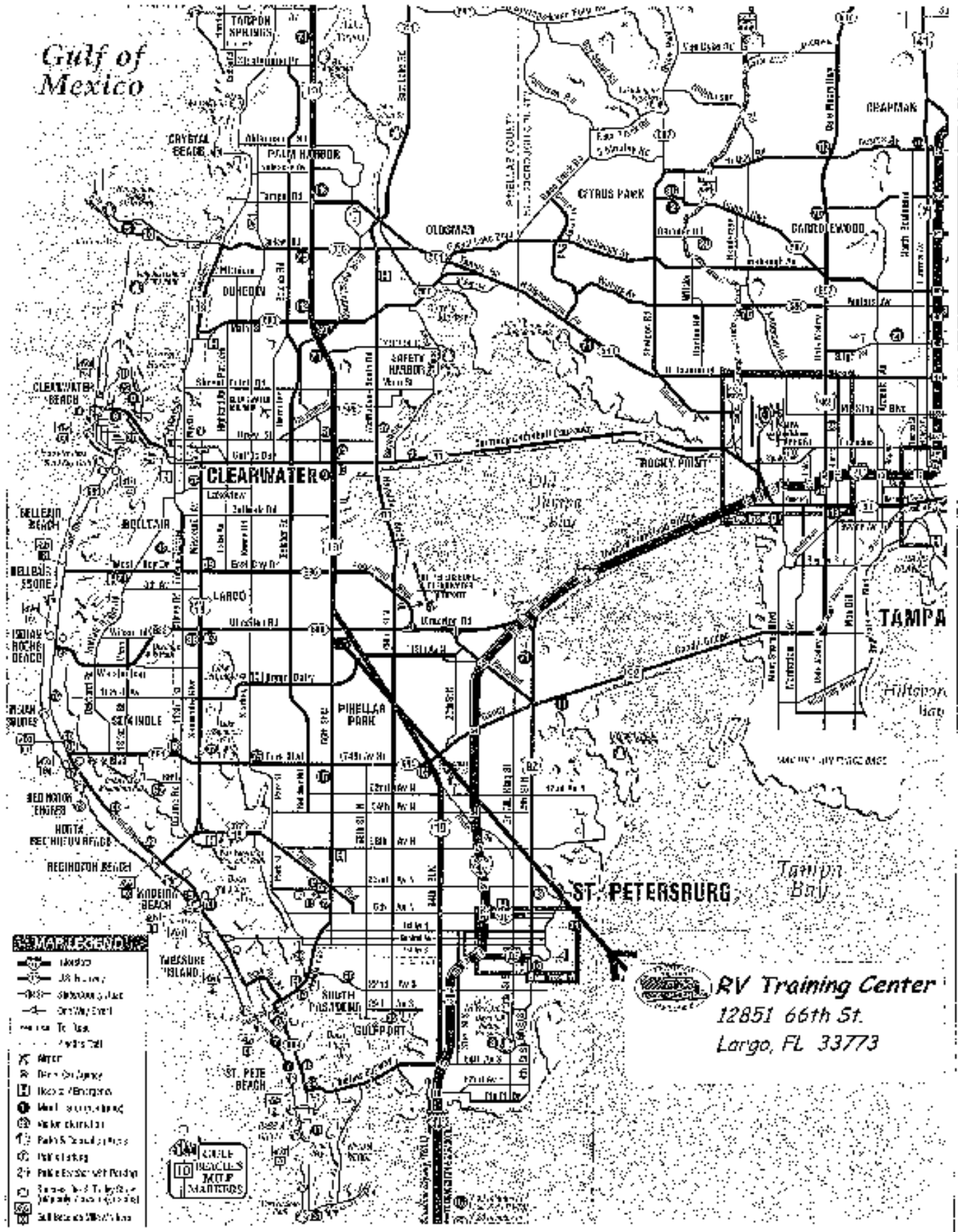
Make a U-Turn just past large yellow happy face on left of 66<sup>TH</sup> STREET (FL-693) and turn into Happy Cars driveway (.1 miles).

**From I-275 Southbound**, get off exit 31 onto FL-686 Westbound (Ulmerton Road) for 5.2 miles. Turn left on 66<sup>TH</sup> STREET (FL-693) Southbound for .3 miles.

Make U-Turn just past large happy face on left on 66<sup>TH</sup> STREET and turn into Happy Cars driveway. (.1 miles)

If you get lost, call school @ (727) 536-4694 for directions.

Please see map on next page. The school entrance is on the right hand side of the building.



Gulf of Mexico

**MAP LEGEND**

- Road
- Interstate
- State Road
- County Road
- Bike Lane
- Water
- Park
- School
- Church
- Post Office
- Police Station
- Fire Station
- Hospital
- Library
- City Hall
- Municipal Building
- Public Works Building
- Public Storage
- Public Boat Ramp
- Public Beach
- Public Campground
- Public Golf Course
- Public Marina
- Public Pier
- Public Dock
- Public Wharf
- Public Quay
- Public Jetty
- Public Breakwater
- Public Pierhead
- Public Wharfhead
- Public Quayhead
- Public Jettyhead
- Public Breakwaterhead
- Public Pierhead
- Public Wharfhead
- Public Quayhead
- Public Jettyhead
- Public Breakwaterhead

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 Largo, FL 33773