



This program focuses 3 days exclusively on the structural and cosmetic integration of today's modern luxury vehicles. We demonstrate smart fabrication techniques and industry secrets that will enhance the way you integrate with vehicle panels and structural components.

## Day 1

### Fiberglass Fabrication

This exciting course has proven to be one of our most popular seminars. Learn the secrets that save time and take the guesswork out of using fiberglass. Our course is very different, in comparison to what the Car Audio industry offers, we use proven techniques derived from the composite industry. This seminar will cover all materials, tools and supplies needed to be successful with composites. Learn how to generate complex shapes (Consoles, Enclosures and Door Panels) with our world-class techniques! Maximize enclosure volume, by taking fiberglass impressions of the vehicle. This course provides students with "hands-on" experience with fiberglass. Students will have the chance to practice on a single part mold.

### Table Saw Techniques

This course is a must for today's installation professional! Learn valuable techniques that have been developed by the best craftsmen in the industry. The table saw is a tool that demands respect! Increase your skill-set by learning the proper cutting methods that will inspire even the most seasoned installers. This course demonstrates how to make any cut safe and easy. The program also demonstrates how to build multiple jigs and fixtures that reduce time and increase accuracy. Building a truck enclosure is a breeze with these techniques. Need to cut compound angles? No problem, with a jig it's easy and can be duplicated over and over to maximize your profits. Stop wasting time and start counting those labor dollars!

### Cutting perfect circles (New Technique)

Learn our newest techniques with the Perfect Circle. We have developed a unique way to build a four-piece jig with the plunge router. This technique will save hours and make you hundreds of custom labor dollars.

### Plastic and Aluminum Fabrication

We will cover several real-world examples of how to use different plastics and aluminum parts on a daily basis. Increase your dash integration by using similar materials used by the Auto Manufacturers. Learn how to machine different plastics and non-ferrous metals with remarkable precision. Also included are detailed techniques for Cutting, Sanding, and Polishing Acrylic and Aluminum. This training will also demonstrate excellent examples of using Neon and LED lighting applications for Acrylic and Polycarbonate.



## Day 2

### **Metal Fabrication (New Technique)**

This seminar is for the true Craftsman! Learn specific set-up procedures for MIG welding, textbook welding techniques and various hands-on examples on how to build metal racks. Create different jig fixtures to produce repeatable parts on our "State-of-the Art" Metal Shop. We will show various examples of auxiliary battery racks or specially mounting brackets that can increase profitability. Maximize your skills and learn the trade secrets with our latest addition sheet metal fabrication. This course will teach every student to weld basic techniques by the end of the session!

### **Advanced Router Techniques**

Router techniques are the foundation of modern custom installation. This course will focus on all of the specific types of router bits, different routers types available, and how to build your own router table. Stop reinventing the wheel each time a custom installation is in the bay! Learn how to reproduce existing shapes and create repeatable templates. Our course makes using a router safe with our unique router shield. The router shield protects you from the bit and provides better control over the material. We'll show you how to machine square and rectangular jigs with incredible accuracy for face plates and dash bezels so they fit better than OEM!

This course expands on the shape duplication process with vacuum clamping technology. Learn step-by-step construction methods for inside and outside ring jig assemblies. This incredible jig can produce a speaker baffles, perimeter rings and grills that fit together with amazing precision. After you build the first assembly jig and reproduce it, the speed of producing subsequent parts is virtually endless.

### **Pin Routing (New Technique)**

Create very complex shapes; Duplicate any 2-D object in minutes. Go far beyond the limitations of a convention router table. An Inverted Router is simply more versatile, more accurate, safer and easier to operate. The added flexibility and improved performance alone makes this course a must for any Master Fabricator.



## Day 3

### Cosmetic and Structural Integration (New Technique)

We'll walk you through the entire process of creating 3-Dimensional dash and trim panels that look unbelievable. This seminar also explores an in-depth look at creating ABS and Metal pressed speaker grilles that snap into the factory plastic panels with very little effort ...It's all in the process.

We'll also cover in-depth upholstery, painting, and texturing techniques that take your work to the next level. We actually build several different types of trim panels during this course, start-to-finish we demonstrate the entire process. Learn how to create different vinyl inlays with different materials, not to mention different hot and cold vinyl wrapping techniques. This course will capture the interest of even the most seasoned technicians.

*\* This is an advanced seminar 3 to 5 years of experience are recommended.*

#### What you will learn

*Styling and design ideas with a detailed resource guide booklet*

- *3-Dimensional routing techniques for OEM dash bezels*
- *ABS Plastic Fabrication - Gluing, Bonding and Finishing techniques*
- *Painting and Texturing techniques*
- *Factory Panel Routing and Integration*
- *Hot and Cold vinyl wrapping techniques*
- *Trim panel design and construction*

*Creating inlays and functional enhancements for various trim panels*

#### Upholstery Techniques

This seminar has some great upholstery secrets that will truly make you money. Learn specific covering and seaming techniques for carpet that will reduce your upholstery time significantly. Learn how to carpet an enclosure with only three seams. This training will also focus on surface preparation for vinyl and different glue types. Also included is a comprehensive overview of many OEM fabric and vinyl selections as well as time saving upholstery tools. We will show you several hands-on demonstrations that will give you key insight for successful vinyl wrapping.

Training includes:

- [Comprehensive Training Manual](#)

Who should attend this training?

- Installation Managers
- Installation Technicians of all skill levels
- Shop personnel serving an installation related function