

# TRAINING COURSES

## Multimeters & Electrical Testing

**Looking to enhance your electrical skills and make more out of that multimeter that cost you money?**

**LOOK NO FURTHER;**

**THIS IS THE COURSE FOR YOU!**



Once you get comfortable with the fundamentals of evaluating, circuits and components, you will wonder what the fuss was about.

This course is designed to give you a good understanding of electrical principles and how you can efficiently use your multimeter to effectively diagnose faults. During this course you will be guided through electrical fundamentals, multimeter functions as well as use of the meter, and practical fault finding on circuits.

*Multimeters available for Purchase*

1. Okay @ (Basic pocket Multimeter) - \$86.00
2. Professional IAME Auto Digital Multimeter \$199.00  
Auto - Ranging, bar Graph with PC Interface & IAME Branding as well as Huge 70mm X 60mm screen.

Cost: Member: \$80.00 - Non-member: \$100.00

### **SOUTH AUSTRALIA**

Date: 18/05/10, 15/06/10 @ 6.30pm  
Location: Prospect, IAME SA, 58 Alpha Road  
Date: 18/05/10 - Woodville (venue TBA)

### **NEW SOUTH WALES**

Date: 07/06/10 @ 6.30pm  
Location: Auburn, IAME NSW, 11-13 Byrne Street

### **VICTORIA**

Date: 17/06/10 @ 6.30pm  
Location: Springvale, IAME VIC, 19/134 Springvale Rd

### **QUEENSLAND**

Date: 29/05/10 @ 6.30pm  
Location: Acacia Ridge, IAME QLD, 4/22 Success St,

## Automotive Air Conditioning Service, Repair & Retrofit

Do you need to learn the skills for conducting air conditioning repairs and service or review the changes in modern automotive systems, or do you need some refresher training to help you gain your **(AUR20705 Certificate II)** in Automotive Air Conditioning, Australian Refrigeration Council's (ARC) requirement for the issuing of a Refrigerant Handling Licence?

Whatever you require, the IAME has the appropriate training course for you. This one (1) day training course covers all you need to know including:

System Diagnosis, System Operation, Charge Procedures, Charge Station Procedures, Refrigerant Recovery, System Evacuation, Gauge Readings, Environmental Issues, Retrofitting, O H & S plus much more.

During the course, all aspects will be covered and thoroughly demonstrated, plus there are practical hands on experience's during the day. After you have completed this training you will wonder why you left it so long to get started.

The bonus to this day's training is that it will set you on the right path necessary to gain your Certificate II AUR 20705 qualification for the **National Refrigerant Handling Licence**. So don't delay, telephone early to reserve your seat as these courses book out fast.

Time: 8.30 am to 4.30 pm

Cost: Members: \$160.00 - Non-Members: \$200.00  
(Prices include lunch, course notes and GST)

### **NEW SOUTH WALES**

Date: 22/05/10, 29/05/10, 19/06/10, 17/10/10,  
14/08/10

Location: Auburn, IAME NSW, 11-13 Byrne Street

### **WESTERN AUSTRALIA**

Date: 08/05/10, 22/05/10, 19/06/10  
Location: Belmont, IAME WA, 234B Epsom Ave

### **VICTORIA**

Date: 17/05/10, 17/07/10  
Location: Springvale, IAME VIC, 19/134 Springvale Rd

### **QUEENSLAND**

Date: 15/05/10, 19/06/10, 17/07/10  
Location: Acacia Ridge, IAME QLD, 4/22 Success St,  
Date: 26/05/10 - Townsville (venue TBA)

### **SOUTH AUSTRALIA**

Date: 14/05/10, 04/06/10  
Location: Prospect, IAME SA, 58 Alpha Road

### **NEW ZEALAND**

Taking registrations - Call Nick on (04) 971 7567

# TRAINING COURSES

## Electrical Testing & Tagging

Are you sick of paying out good money for work you could conduct yourself? If so, then this training course is for you. Yes it is a WORKCOVER requirement that you provide a safe working environment which includes testing and tagging of electrical appliances. You do not need to be a qualified electrician to carry out testing and tagging of electrical appliances and leads but you must be trained to do so. The IAME is a Registered Training Organisation (RTO) and can issue a Certificate of Competence after completing the cost effective 3 hour training course.



We will cover the following: Electrical Safety, Electrical Appliance Identification, Requirements of the Australian Standard, WorkCover Regulations and Tester Operation together with practical hands-on Demonstrations.

Why not get yourself and your employees accredited, save time and more importantly save money!

Remember once you have your Certificate of Competence you can not only check your own equipment, you will be able to test other business appliances and leads, creating additional income.

**\* Please Note: Queensland Participants can only Test and Tag for their own workshop or for their employer.**

Times: 6.30pm to 9.30pm

### Option 1 - TOTAL PACKAGE

Includes: Personal Appliance Tester, Training Course, Log Book & 100 tags  
Cost: Members \$1,150.00 - Non members \$1,250.00

### Option 2 - TRAINING ONLY

Includes: 3 hour training course only  
Cost: Members \$150.00 - Non members \$200.00

### Option 3 - PAC TESTER

Includes: Portable Personal Appliance Tester only  
Cost: Members \$1,000.00 - Non member \$1,057.90

### Special Offer to Non IAME Members

Total Package + IAME Membership - ONLY \$1,258.00!

### NEW SOUTH WALES

Date: 09/06/10  
Location: Parkes, Parkes Service Club, Short St

Date: 05/07/10  
Location: Auburn, IAME NSW, 11-13 Byrne Street

### WESTERN AUSTRALIA

Date: 12/05/10, 26/05/10, 09/06/10, 23/09/10  
Location: Belmont, IAME WA, 234B Epsom Avenue

## Managing an Outstanding Repair Business

As we know you need to be a skilful and competent automotive repairer to keep your customers, but you also need the necessary management and business skills to ensure that you can grow your business into the future.

What if you are starting a new business, or worried about the current financial pressures? Do you know what to charge your customers, how to maximise your labour recovery, what about parts mark-up, utilities and overheads?

How can you be competitive in today's Automotive Industry? How do you get the necessary business and management skills to ensure that your business is profitable and competitive against other repairers in your area?

The IAME can help you with this dynamic course to cover all aspects of small business management that will help you understand the factors that impact on profitability. Also covered is the identifying of processes and procedures that help to maximise productivity and improve your bottom line.

If you are thinking of starting a new business, are currently operating a repair business or managing someone else's business, this course is a must for you!

So don't delay, book now, this opportunity is too good to miss!

**Time: 8.30am - 4.30pm**

**Cost: Member \$160.00 - Non-member: \$200.00**

### NEW SOUTH WALES

Date: 03/07/10  
Location: Auburn, IAME NSW, 11-13 Byrne Street

### QUEENSLAND

Date: 26/06/10  
Location: Acacia Ridge, IAME QLD, 4/22 Success St,

### VICTORIA

Date: 15/07/10  
Location: Springvale, IAME VIC, 19/134 Springvale Rd,

### SOUTH AUSTRALIA

Date: 26/05/10, 23/06/10  
Location: Prospect, IAME SA, 58 Alpha Road

### QUEENSLAND

Date: 22/05/10, 26/06/10  
Location: Acacia Ridge, IAME QLD, 4/22 Success St

# TRAINING COURSES

## Supplementary Restraint Systems, Seat Belts and Seat Belt Pretensioners

Whilst air bags have proven themselves to be true lifesavers, the reality of how they work is still a bit of a mystery.

Powered by what are essentially miniature explosive devices, most air bags inflate at between 150 and 300 kilometres per hour – faster than the blink of an eye. An average size adult that is correctly seat belted is not likely to come in contact with the air bag until it is fully inflated. A fully inflated air bag spreads the forces of the crash across a wide area of the body, then the air bag collapses immediately, to reduce the risk of suffocation.

Do you know what safety precautions you should take when working with SRS (Supplementary Restraint Systems) equipment that is fitted to modern vehicles? What do you know about the various multiple SRS systems that are fitted, and how are seat belt pretensioners incorporated into these safety systems? What do you know about the new innovations in SRS technology now being installed in vehicles? If you want to know more, or need to know more, then this night is well worth your attendance.

With today's motor vehicles and trucks having multiple SRS systems fitted, it is very important to know how to handle these systems safely and correctly, not only to safe guard workshop personal from injury, but also to stop expensive damage occurring to customer's vehicles.

With this course you get valuable information on how these systems operate, how to work around them, as well as carry out repairs, together with diagnostic equipment, technical information, and most importantly, what safety precautions you should observe.

Remember, this is not only for those working in general repair workshops, but also smash repairers, auto dismantlers and automotive trimmers. So don't get left behind, come along to get the facts on SRS Systems, so that you can operate with confidence. Book early to reserve your seat.

**Time: 6.30 pm to 9.30 pm**

**Cost: Members \$80,  
Non-members \$100 (inc GST)**

### NEW ZEALAND

Location: Auckland, Wellington, Christchurch  
Taking registrations - Call Nick on (04) 971 7567

### NEW SOUTH WALES

#### GRIFFITH

Date: Tuesday 11th May 2010

Location: **Griffith**, Griffith Leagues Club, Kidman Way

#### YOUNG

Date: Thursday 13th May 2010

Location: Young, Young Service Club, Cloete Street

#### ORANGE

When: Tuesday 8th June 2010

Venue: Orange, Orange City Bowling Club  
Warrebline Street

#### COFFS HARBOUR

Date: Tuesday 22nd June 2010

Location: Coffs Harbour, Coffs Ex-Service Club  
Vernon Street

## Oscilloscopes and Diagnostics

Successful diagnostics is an art which tends to elude many in the automotive industry.

One of the reasons is that technology has progressed to such a degree that it's left many in it's wake. Successful diagnostics, particularly with the oscilloscope is dependent on interpretation of lines and point on the screen then relating them to the operation of the component or system being tested.

In most cases the problems are not as complex as the symptoms would have you believe. Learning how to use the oscilloscope to check or eliminate the basics can dramatically improve workshop efficiency and diagnostic results.

**Cost: Member: \$80.00 - Non-member: \$100.00**

### VICTORIA

Date: 19/06/10 @ 6.30pm

Location: Springvale, IAME VIC, 19/134 Springvale Rd,

### QUEENSLAND

Date: 12/06/10 @ 6.30pm

Location: Acacia Ridge, IAME QLD, 4/22 Success St,

# TRAINING COURSES

## National Refrigerant Handling Licence **AUR 20705 Certificate II** Automotive Air Conditioning Assessment

Handling refrigerant without a licence is illegal. As the national licensing system for the industry is now well into its 4<sup>th</sup> year, more stringent adherence to the conditions of an authorisation and licence is expected by The Australian Refrigeration Council (ARC) under the Ozone Protection and Synthetic Greenhouse Gas Management Regulations.

*"If I have a licence issued by the MVRIC to work, why do I need to hold a refrigerant handling licence and/or a refrigerant trading authorisation?"*

The MVRIC still requires you to be licensed by them to work on a motor vehicle. You must hold a Tradespersons certificate in Motor Mechanic, Auto Electrician or Motor Mechanic restricted to air conditioning (for the other repairers). The MVRIC no longer issue licences for refrigerant purchase or handling.

To comply with the regulations and undertake either of these activities you must hold the national licencing authorisation, issued by ARC.

If you have an EXPERIENCED PERSONS Licence issued by the Australian Refrigeration Council (ARC known as ARCTICK) - IT HAS NOW EXPIRED.

The IAME is a registered Training Organisation (RTO) and as such, can issue the current AUR 20705 Certificate II Automotive Mechanical Air Conditioning qualification. The IAME's goal is to assist all of our members in achieving the qualification needed for this licence.

Assessments consist of a theory examination, a practical assessment, evaluating recognised prior learning (RPL) as well as oral questions during the practical assessment procedure. Recognition of Prior Learning (RPL) and Recognition of Current Competency (RCC) is a process for taking into account that you have gained skills, knowledge and experience from training courses, academic education, work experience as well as "on the job training".

*Should you require refresher training prior to your assessment, there are training courses advertised in this journal.*

**Time: Earliest Start - 8.00am**

**Cost: MEMBERS ONLY- \$160.00, includes:**

- \$80.00 Theory Examination
- \$80.00 Practical Assessment

(IAME REFRIGERANT TRADING AUTHORISATION NO. AU12945)

### NEW SOUTH WALES

Date: 23/05/10, 30/05/10, 20/06/10, 18/07/10, 15/08/10

Location: Auburn, IAME NSW, 11-13 Byrne Street

### WESTERN AUSTRALIA

Date: 09/05/10, 23/05/10, 20/06/10

Location: Belmont, IAME WA, 234B Epsom Ave

### VICTORIA

Date: 18/05/10, 18/07/10

Location: Springvale, IAME VIC, 19/134 Springvale Rd,

### QUEENSLAND

Date: 16/05/10, 20/06/10, 18/07/10

Location: Acacia Ridge, IAME QLD, 4/22 Success St,

Date: 27/06/10

Location: Townsville, (venue TBA)

### SOUTH AUSTRALIA

Date: 15/05/10, 05/06/10

Location: Prospect, IAME SA, 58 Alpha Road

## LPG / CNG INSTALLATION

***The Southern Institute of Technology (in association with IAME) has been carrying out the Trade Extension Certificate in Alternative Fuels throughout New Zealand for a number of years.***

Are you are interested in gaining this qualification or updating yourself with the latest "Electronic Injected Technology" along with your knowledge of the latest regulations.

Contact **Mike Robinson** at Southern Institute of Technology to register your interest.

NEW ZEALAND

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Phone: (03) 343 1812 or Email: mike.robinson@sit.ac.nz