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TO:-

**DONCASTER, ROTHERHAM & DISTRICT  
MOTOR TRADES, G.T.A. LIMITED**  
Rands Lane Industrial Estate,  
Armthorpe, Doncaster, DN3 3DY.  
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ARE YOU READY FOR THE NEW  
**AIR CONDITIONING AND  
GAS HANDLING**  
LAWS AND LEGISLATION?



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# Hot Topic - Cool Solutions

## Preparation is everything!

From 4th July 2010, all Mobile Air Conditioning (MAC) Technicians working with cars and car derived vans, must have achieved as a minimum requirement, a refrigerant handling qualification which fulfils the European Union F Gas Regulation (EC842/2006 and Annex to Regulation EC307/2008).



## ATA Air Conditioning - Refrigerant Handler (IMIA/AC/1) Qual Ref: IMIA/AC08/1

**Note: All Air Conditioning ATA levels meet the minimum requirements set out in EC Regulation (EC) No. 307/2008.  
How do you become accredited?**

- To become an ATA Air Conditioning Refrigerant Handler, you must pass two practical assessments and an on-line knowledge test at an IMI Awards Assessment Centre approved to offer this ATA route/level.
- ATA Refrigerant Handler assessments will usually last half a day.
- Before you can take an assessment you must be able to prove your experience of working as an Air Conditioning Refrigerant Handler for at least three months, or hold a relevant nationally recognised qualification and have a minimum level of post qualification industry experience in an appropriate role for 3 months.
- On the assessment day you must sign the ATA Code of Conduct. You will also have your photograph taken in readiness for the ID card issued to successful candidates.
- You must successfully complete all the assessments within a 12 month period from the first assessment date.
- Once you have achieved your accreditation, your details will be entered on the ATA register of Accredited Technicians.
- To ensure that you have kept up-to-date with new technologies, you will have to be re-assessed every 5 years to maintain your Accreditation.

## Assessment Details:

- Two practical assessments covering: - Refrigerant handling - Refrigerant cylinder handling.
- One on-line knowledge test comprising 30 questions which must be completed in 45 minutes.

Topics which may be included are:- Montreal Agreement and Kyoto Protocol - Global Warming Potential - Basic knowledge of the relevant provisions of Regulation (EC) No 842/2006 and Directive 2006/40/EC - Applicable current EC regulations to the proposed market (i.e. UK) - Health and Safety - First Aid - Refrigerant state temperature/pressure/ conditions - Identification of various AC systems - Working practices pre and post - Air Conditioning refrigerant handling - Contamination of refrigerant - EC waste regulations - Transportation of refrigerants - Refrigerant documentation activity records.

## Objective :

The course is designed to train personnel in the fundamentals of air conditioning. This course will help you prepare for the ATA Air Conditioning Handling Accreditation Award. You will learn how to carry out service and fault diagnostics safely and effectively given the relevant tools and test equipment.



## Course Content :

- Fundamentals of air conditioning refrigerant R134a
- The New F Gas Laws (GAS Legislation)
- Operation of components, compressor, condensers
- Evaporator receiver/dryer
- Types of and function of expansion valves
- Oils - the correct oil and amount
- Operation of controlling devices - magnetic clutch, dual pressure switch and belt protection system
- Health, Safety and Legal Requirements
- Use of service equipment for system testing
- Evaluation and diagnostics
- Recovery, evacuating, charging, recycling, leak detection, electronic and ultra-violet lighting