



AIR CONDITIONING PRODUCTS GROUP



AIR CONDITIONING TOOLS, EQUIPMENT & CONSUMABLES

1 DAY VEHICLE AIR CONDITIONING INTRODUCTION

1-day course designed to provide learner with the following knowledge of vehicle air condition.

COURSE CONTENT

SAFETY FIRST

Safety when working with refrigerant and air conditioning systems & SDS sheets.

THE LAW

COSHH regulations.

Environmental protection act 1990 section 33 & 34 inc waste transfer notes.

FAILURE TO COMPLY CAN LEAD TO A SUBSTANTIAL FINE AND EVEN IMPRISONMENT.

TRANSPORTATION

Road traffic regulations 1996 inc TREM

ENVIRONMENTAL IMPACT

Fluorocarbons, Ozone, Global warming & Tewi.

OIL'S

Grades and suitability.

REFRIGERANTS

Cylinders, Cylinder capacities, Temperature pressure relationship, Identity & Decanting.

AUTOMOTIVE AIR CONDITIONING TERMS

Understanding air conditioning terms.

VEHICLE AIR CONDITIONING SYSTEMS AND COMPONENTS

Expansion valve system. Expansion tube (orifice tube) system. **COMPONENTS:** service ports, ball valves, hoses, compressors, condensers, receiver drier (filter drier), fuse plug, expansion valve, evaporators, expansion tube, accumulator, compressor clutch assembly including testing coil, condenser fans, trinary switch, thermal fuse and relief valve.

FINDING LEAKS (safety).

OFN testing & UV lamps

PREPARING SYSTEM, CHARGING AND REMOVING GAUGES (SAFETY).

Vacuuming, charging refrigerant liquid & vapour.

THIS WILL ENABLE LEARNER TO:

Identify parts, associated parts and consumables required to carry out work on A/C system and quote accordingly. Procedures and equipment for A/C service and repair work.

This essential course is a must for any one associated with the vehicle industry inc: parts, workshop, reception, foreman, manager and sales personnel.

TEST RIG:

Our test rig creates faults that include: blocked or stuck open expansion valve, blocked filter drier, over condensing, faulty compressor and poor air flow over evaporator.

Facilities: Our training centre has state of the art technology and the most up to date tools & equipment for candidates to use. Our lecturer has 28 years experience in the motor industry and is very hands on and when not teaching continues to work on vehicle air conditioning systems. Need up to date training and tricks of the trade techniques, book a course and we can show you how to excel in the very profitable world of vehicle air conditioning

