

TYRE AND EXHAUST FITTING

(See also : [Abrasive Wheels\(1\)](#); [Battery Charging\(9\)](#); [COSHH\(19\)](#); [Electrical Equipment\(22\)](#); [Electricity\(24\)](#); [Flammable Liquids\(29\)](#); [Lifting Plant and Equipment\(45\)](#); [Machinery Safety\(49\)](#); [Motor Vehicle Repair\(55\)](#); [Noise\(56\)](#); [PPE\(63\)](#); [Pressure Systems\(62\)](#); [Risk Assessment\(68\)](#); [Welding and Flame Cutting\(88\)](#); [Work Equipment\(91\)](#); [Workplace Health, Safety and Welfare\(92\)](#))

TYRE & EXHAUST FITTING

INTRODUCTION

The HSE have published guidance in HS(G)62 'Health and safety in tyre and exhaust fitting premises', which covers all the main areas of work/activities in such premises. Most of the subjects involved are also covered in other elements within this Information System.

This element, therefore, is a very summarised account of HS(G)62 which employers are encouraged to obtain.

SAFETY CONSIDERATIONS

1. STORAGE OF TYRES AND EXHAUSTS

Requirements include adequate lighting (avoidance of shadows); suitable and adequate racking; properly secured steps and ladders to reach upper levels of stock; storage of heavier items on lower racks; no protrusions into gangways; the possible need for mechanical lifting services to move stock to an upper or mezzanine floor (and associated precautions).



Ref: 84

July 2002

ORIGINAL ISSUE DATE: October 1997	ISSUE No: 2 RFN	ISSUE DATE: July 2002
SECTION: Tyre & Exhaust Fitting		PAGE No. 1 of 4

2. UNDER VEHICLE ACCESS

- **Maintenance** of equipment is essential; training (and authorisation) of personnel to carry out particular activities will be needed.
- **Ramps** - safety is secured via their intrinsic strength and by observing procedures such as careful manoeuvring of vehicles and braking/chocking of wheels.
- **Jacks** - should be used for lifting only prior to inserting stands or props etc. underneath the vehicle; their simplicity and mobility may induce carelessness and therefore appropriate safety procedures should be followed at all times.
- **Vehicle lifts** - most common type is the 4-post runway. Safety features include: marking with safe working load; any moving part to be at least 600mm from the nearest fixed structure; as regards descent to the lowest level, to have a minimum clearance space of 120mm (overhang) and 50mm (from runway to floor) OR a hinged flap at least 120mm wide; automatic or permanent chocks as appropriate; approaches to the lift not to exceed 20° from the horizontal; 6 monthly examination by a competent person; hold-to-run controls.

All equipment used for lifting should be thoroughly examined at intervals specified in the Lifting Operations and Lifting Equipment Regulations 1998, or shorter intervals if the competent person considers this appropriate. This is likely to be more frequently if the equipment is subject to heavy use. The specified periods detailed in the regulations are:

- (i) Lifting equipment for lifting persons or an accessory for lifting, AT LEAST EVERY SIX MONTHS.
- (ii) Other lifting equipment, AT LEAST EVERY 12 MONTHS.

A competent person may draw up the examination scheme. The scheme should identify and specify which parts should be thoroughly examined, the intervals between examinations and, where appropriate, those parts that need to be tested.

3. TYRE SERVICING

- **Main hazards** arise from the violent separation of the component parts of the wheel or air blast from ruptured or burst tyres.
- Established **safe working procedures** should be part of induction/refresher training and form the basic standard for monitoring/supervision of operatives.

- **Split rim wheels** are particularly hazardous due to the possibility of violent separation. Precautions include complete deflation (including the removal of the valve core) and inflation only when wheel-containing measures are in place.

4. TYRE SERVICING EQUIPMENT

- **Bead breakers:** the potential trapping hazard is addressed by careful location of the machine (away from distractions, thoroughfares, etc.) and full training.
- **Wheel balancing machines:** hazards include the ejection of loose objects and trapping by entanglement in rotating parts. These are addressed by effective training, careful checking by the operative, interlocked guarding of all drive shafts and the rotating road wheel and observance of recommended procedures.

5. OTHER SAFETY ISSUES

Guidance on the following subject can be found elsewhere in this Information System and, specifically, in HSG 62.

- Abrasive Wheels
- COSHH
- Workplace Health, Safety and Welfare (heating, lighting, ventilation, exhaust fumes, sanitary accommodation; washing and welfare facilities; housekeeping and safe access; public access)
- Accident Reporting
- Information, instruction and training for staff
- Electrical safety
- Battery charging
- Welding and flame-cutting equipment
- Fuel tanks and lines
- On the road

CHECKLIST

TYRE AND EXHAUST FITTING

- | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|--|
| 1. Have you carried out risk assessments for all hazardous activities at your premises? | YES | NO | |
| 2. Have you identified, and assessed your compliance with, necessary measures to control identified risks? | YES | NO | |
| 3. Do you inform, instruct and train your employees on relevant matters of health and safety and do you log/record such training? | YES | NO | |
| 4. Have you established, implemented and monitored safe working practices (identified as control measures as above) for your activities, including: | | | |
| • Storage of tyres and exhausts? | YES | NO | |
| • Under vehicle access? | YES | NO | |
| • Tyre servicing and associated equipment? | YES | NO | |
| • Other activities outlined in this element ? | YES | NO | |

REFERENCES/FURTHER DETAILS

- *1. Booklet HSG 62 - Health and Safety in Tyre and Exhaust Fitting Premises (HSE) ISBN 0 7176 1686 X.
- *2. Reducing ill health and accidents in motor vehicle repair.
Leaflet - www.hse.gov.uk/pubns/indg356b.pdf
Checklist - www.hse.gov.uk/pubns/indg356a.pdf

-
- * Available to view by prior arrangement at Nuneaton and Bedworth Borough Council, Environmental Health Services, Council House, Coton Road, Nuneaton. CV11 5AA
 - ** Free copy available from Nuneaton and Bedworth Borough Council at the above address.

ORIGINAL ISSUE DATE: October 1997	ISSUE No: 2 RFN	ISSUE DATE: July 2002
SECTION: Tyre & Exhaust Fitting		PAGE No. 4 of 4

**TYRE &
EXHAUST
FITTING**

Ref: 84

July 2002