S/P2 - “Collision Pollution Prevention”

Modules

1. Introduction
2. Paints and Residues
3. Antifreeze
4. Oil and Similar Fluids
5. Floor Drains
6. Batteries
7. Air Pollution
8. Air Conditioning
9. Tires
10. Paint Booth Filters
11. Absorbents and Spills
12. Other Sources
13. Final Exam

Learning Objectives Upon the Completion of Each Module

1. Introduction

Students should:

- identify the top 10 environmental challenges in collision repair
- understand what a waste stream is
- recognize the four waste categories

2. Paints and Residues

Students should:

- identify ways to minimize paint waste
- understand proper paint and paint residue waste storage
- recognize other environmentally related paint issues

3. Antifreeze

Students should:

- recognize proper antifreeze disposal methods
- understand antifreeze collection and storage
- identify the three ways to recycle antifreeze

4. Oil and Similar Fluids

Students should:

- identify which fluids can and cannot be mixed with used oil
- understand how to properly manage used oil
- recognize the proper ways to handle used oil filters
- determine the issues concerning accepting used oil from the general public

5. Floor Drains

Students should:

- understand why floor drains are rapidly becoming extinct
- identify best practices related to floor drains and spilled fluids

6. Batteries

Students should:

- understand proper handling of damaged and used batteries
- recognize proper storage of damaged and used batteries

7. Air Pollution

Students should:

- understand Volatile Organic Compounds and explain where VOCs are found
- recognize how VOCs affect the environment
- identify ways to cut down on VOCs released by a collision shop
- determine how downdraft paint booths help lower air pollution

8. Air Conditioning

Students should:

- recognize the proper refrigerant recovery methods
- understand the laws related to releasing refrigerant
- determine who is allowed to perform air conditioning work
- identify refrigerant recovery equipment regulations

9. Tires

Students should:

- understand the benefits of tire recycling
- recognize the problems of stacking or illegally dumping tires

10. Paint Booth Filters

Students should:

- understand what is hazardous about paint booth filters
- identify when and how to handle paint booth filters as hazardous waste

11. Absorbents and Spills

Students should:

- recognize how to deal with a large spill
- understand how to deal with a paint spill
- determine how to deal with an oil spill

12. Other Sources

Students should:

- understand proper management of rags, solvents, sheet metal, parts stored outside and plastic pieces.
- recognize the regulations concerning catalytic converters.
- identify other sources that affect a shop's environmental compliance

13. Final Exam