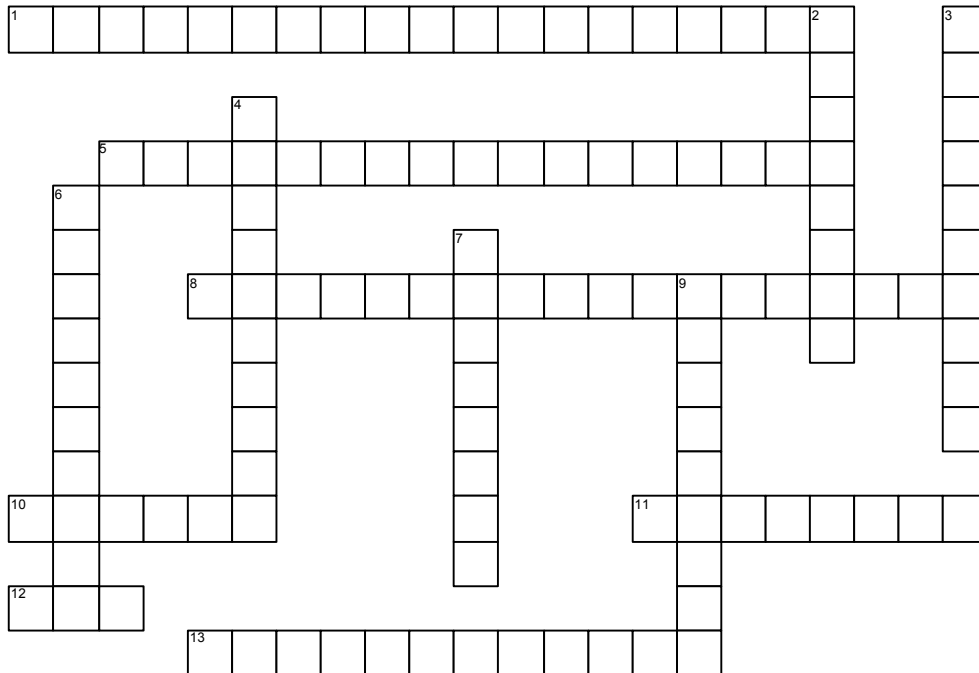


# Refrigerant Recovery, Recycling, and Recharging

## Chapter 14



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### ACROSS

- 1 Any refrigerant that contains \_\_\_\_\_, usually air, or with 2% or greater of another material, is considered contaminated.
- 5 A \_\_\_\_\_ is threaded over the R-12 fitting, using the same Schrader valve, and a thread-lock adhesive locks it in place.
- 8 Vacuum pumps are rated by both \_\_\_\_\_ and micron ratings.
- 10 The \_\_\_\_\_ rating is how deep a vacuum the pump can pull.
- 11 \_\_\_\_\_ is using a liquid or a gas to clean the inside passages of an air-conditioning system. □
- 12 \_\_\_\_\_ equipment must be certified to meet SAE J2788, which has more stringent requirements starting in 2006 over the previous SAE J2210 standard (1991-2005). □
- 13 \_\_\_\_\_ is the changing of a system from one refrigerant to another and is normally a repair-driven operation and not done until absolutely necessary. □

### DOWN

- 2 With the system running, caution should be exercised if charging liquid into it to avoid \_\_\_\_\_ the compressor, which is allowing liquid refrigerant to enter a running compressor which can cause severe damage.
- 3 Debris from a failed compressor is often a fine, black material called goo or \_\_\_\_\_ by many technicians.
- 4 \_\_\_\_\_ means that a vacuum will be applied to the system to remove the air and to vaporize any moisture that may be in the system. □
- 6 The first step in servicing an A/C system is identifying the refrigerant in a system using an \_\_\_\_\_. □
- 7 \_\_\_\_\_ means that all refrigerant is removed from a system so it can be stored in a container in liquid form. □
- 9 \_\_\_\_\_ is the process of removing moisture, oil, and noncondensable gases from the recovered R-12 or R-134a so it meets the standards of new refrigerant. □