

# Chapter 12 Hybrid Vehicle Heating and Air Conditioning

Find the words in the grid. Words can go across, down and in the two forward diagonals.

R G X L Z P Y K D P R E S S U R E C A P M M R R V V L Q P Q M  
 A D H N K R N C Q C L R D C Q P H W M B C R E T K J K L F Q E  
 D G N W F X L H M T A W J T R M R U A W A B H O A T G C P V H  
 I N L T B M P A J V B B X Y M O P E D T M R K R C T Q N L M E  
 A H J L R C X N P Q R T I T T R S V S A E T R L A K L A X R A  
 T L P Q E H L G Z O W B L N E T Y S H S R R O I N D V B N M T  
 O M A Q C Y V E T R Z J H T F X T C F O U C J A E E I P K J E  
 R L G G E J J O J B D B A H F I M H T L Y R T A N R M A M M R  
 H V X K I P M F C L R W F K T U L A E L O E E O C U H P T R C  
 O K B D V R K S C E T C C W N X L T G R G W Z D P K K O E O O  
 S Y B Z E B T T F N D W F E H U Q E E R M J R R R N E L S T R  
 E R B W R W T A P D Q Z L Q M G N R U R H O E W N O L T P E E  
 X X O Z D X V T V D R P K U Q E X S B C S P S Z Y E P R H G T  
 N L X T R K W E C O N R C M L M M R T S L C B T P N M W A T D  
 B G T F I M Y T V O E C H Y D Q X U E E L W B M A G G N S E O  
 Y N Y L E B P T T R A V H F Y C L R H K W G I N Q T W T E V W  
 Y N N L R X M Z Z C N T A V Q C P T A N T I F R E E Z E C A N  
 X G F M Z H G K L P E L K P N M V H R Q L K M L C W R K H P F  
 K C W N C O N D E N S E R A O N J Z E L L G L T V L E J A O L  
 H V R N J J P K R N T H F C N R H B N A R B F N N V F V N R O  
 Z R R V C R R N G Y V Y M R D N A K T M T O W M X X R Z G A W  
 X P T C H E A T E R M G Q M X N N T K P M E A T D P I W E T F  
 L S C R O L L C O M P R E S S O R L O X N G X T B G G V L O H  
 K N R H N R R J W D X O L F T H H W X R Z R K C K N E V I R G  
 C O O L A N T H E A T S T O R A G E S Y S T E M H T R T Q D W  
 N V J Y N J Z Q P Q D C J Z T K Y R T K H V N T J A A C U R K  
 P L H D R P F I V C P O X N L O W G R A D E H E A T N C I A G  
 G Y R D M K R Z A V N P N F W A T E R V A L V E X P T G D I N  
 W F M Z Z K Y W L T X I B Y P A S S T U B E M C G K K J E N K  
 Y Y T H E R M O E L E C T R I C S W I T C H H M P X J T M R T  
 Z T C O O L A N T R E C O V E R Y R E S E R V O I R X K P P R

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|-----------------------------|------------------|---------------------|-----------------------|
| accumulator                 | crossflow        | impeller            | receiver drier        |
| antifreeze                  | downflow         | low grade heat      | refrigerant           |
| barrier hose                | ethylene glycol  | OAT                 | scroll compressor     |
| blend door                  | evaporator       | PAG                 | surge tank            |
| blower motor                | evaporator drain | phase change liquid | thermoelectric switch |
| bypass tube                 | fan clutch       | plenum chamber      | thermostat            |
| cabin filter                | heater core      | pressure cap        | TXV                   |
| change of state             | heat exchanger   | pressure drop       | water jacket          |
| compressor                  | helper pump      | PTC                 | water pump            |
| condenser                   | HOAT             | PTC heater          | water valve           |
| coolant heat storage system | hygroscopic      | radiator            | zone valve            |
| coolant recovery reservoir  | IAT              | radiator hose       |                       |