

# Chapter 16

## EV and HEV HVAC System

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

```

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

<http://jameshalderman.com>

- |               |                                  |                          |
|---------------|----------------------------------|--------------------------|
| Airflow       | Failure mode                     | PTC                      |
| Cabin cooling | Heat mode                        | PTC heaters              |
| Cabin filter  | Heat pump                        | Scroll compressor        |
| Cabin heating | Heat storage                     | Thermal storage material |
| Compressor    | ICE Cooling system               | Thermostat               |
| Condensers    | LCC                              | TSM                      |
| Defrost       | Liquid cooled condenser          | TXV                      |
| Dog mode      | Orifice tube                     |                          |
| Evaporators   | Positive temperature coefficient |                          |