

# Chapter 4 - Hydraulic Control Valves and Solenoids

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

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

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|-----------------------|---------------------------------|
| Accumulator           | Pressure control solenoids      |
| electromagnet         | Pulse-width modulated solenoids |
| engine load input     | regulation                      |
| fluid flow            | shift quality                   |
| Governor              | shift valves                    |
| hydraulic sub-circuit | Slide-bump shift                |
| Linear solenoids      | Solenoid                        |
| modifier              | Throttle valve                  |
| Orifice               | Vacuum modulator                |
| pintle                | valve                           |