

# Chapter 11

## Diesel Engine Operation And Diagnosis

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

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|-------------------------------------|-------------------------------|
| Diesel exhaust fluid                | Injection pump                |
| Diesel exhaust particulate filter   | Lift pump                     |
| Diesel oxidation catalyst           | Opacity                       |
| Differential pressure sensor        | Particulate matter            |
| Direct injection                    | Pop tester                    |
| Glow plug                           | Regeneration                  |
| Heat of compression                 | Selective catalytic reduction |
| High pressure common rail           | Soot                          |
| Hydraulic electronic unit injection | Urea                          |
| Indirect injection                  | Water fuel separator          |