

Chapter 8

Engine and Misfire Diagnosis

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

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| Back pressure | Misfire |
| Cracked flex plate | Piston slap |
| Cranking compression test | Power balance test |
| Cylinder contribution test | Rod bearing failure |
| Cylinder leakage test | Running compression test |
| Dynamic compression test | Valves clicking |
| Exhaust smoke | Wet compression test |
| Main bearing knock | |