

Chapter 23

In-Vehicle Engine Service

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

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Coolant inspection	Skewed
Coolant level	Stuck closed
EREV	Stuck open
Failure patterns	Thermostat
Fretting	Timing belt
HEV	Vacuum leak
Idle stop	Visual inspection
Intake manifold gasket	Water pump
Leaking coolant	