

Chapter 29

Pistons, Rings, And Connecting Rods

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

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| Back clearance | Full floating | Positive twist ring |
| Balancing bosses | Grooves | Reverse twist ring |
| Barrel face ring | Heat dams | Ring gap |
| Bleed hole | Hypereutectic | Scraper ring |
| Blowby | Interference fit | Side clearance |
| Cam ground | Lands | Skirt |
| Compression rings | Lock rings | Slipper skirt |
| Connecting rod bearing journal | Major thrust surface | Spit hole |
| Crankpin | Oil control ring | Struts |
| Crank throw | Piston | Taper face ring |
| Double knock | Piston pin | Wrist pin |
| Ductile iron | Piston ring expander | |
| Freewheeling | Piston rings | |