

Nissan Frontier 2005-2014 Workshop Manual

CAMSHAFT

- REMOVAL AND INSTALLATION -

CAMSHAFT

Exploded View



- | | |
|--|---|
| 1. Intake valve timing control solenoid (ITC) (R) | 3. Camshaft bracket (No. 2 to 4) |
| 4. Camshaft (R) | 5. Camshaft (R) |
| 7. Dowel pin | 6. Camshaft (L) |
| 10. Timing chain tensioner | 8. O-ring |
| 13. Timing chain link (No. 1) | 11. Spring |
| 16. O-ring | 12. Plunger |
| 18. Intake valve timing control solenoid (ITC) (L) | 14. Cylinder head (R) |
| | 15. Cylinder head (L) |
| | 17. Camshaft position sensor (CMPS) (R) |
| | 19. Camshaft position sensor (CMPS) (L) |

REAR TIMING CHAIN CASE

- REMOVAL AND INSTALLATION -

[WORK] [WORK]

Loosen and remove bolts using power tool in reverse order as shown.
Cut liquid gasket using Tool and remove rear timing chain case.

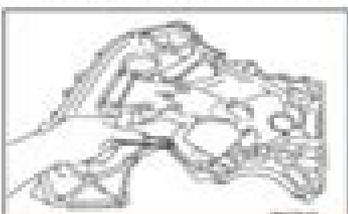
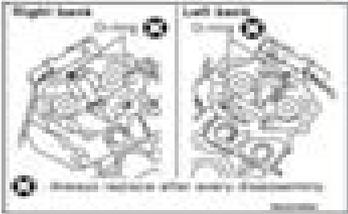
Tool number : K710111106 (J-37238)

- CAUTION:**
- Do not damage the mating surfaces.
 - Do not remove plate metal cover (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120) (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131) (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142) (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153) (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164) (165) (166) (167) (168) (169) (170) (171) (172) (173) (174) (175) (176) (177) (178) (179) 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Remove O-rings from cylinder head and camshaft bracket. (20)
CAUTION:
Do not reuse O-rings.

Remove O-rings from cylinder block.
CAUTION:
Do not reuse O-rings.

Use scraper to remove all traces of old liquid gasket from rear timing chain case, and opposite mating surfaces.



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Nissan Frontier Complete Workshop Repair Manual 2012

**Nissan North America. Technical
Publications Department**



Nissan Frontier Complete Workshop Repair Manual 2012:

Whispering the Strategies of Language: An Emotional Journey through **Nissan Frontier Complete Workshop Repair Manual 2012**

In a digitally-driven world wherever screens reign supreme and immediate communication drowns out the subtleties of language, the profound techniques and psychological subtleties concealed within words usually get unheard. However, set within the pages of **Nissan Frontier Complete Workshop Repair Manual 2012** a charming fictional treasure sporting with organic emotions, lies a fantastic quest waiting to be undertaken. Penned by a talented wordsmith, this wonderful opus invites visitors on an introspective journey, delicately unraveling the veiled truths and profound influence resonating within the very material of every word. Within the psychological depths of this touching evaluation, we shall embark upon a heartfelt exploration of the book's primary subjects, dissect its charming writing model, and fail to the effective resonance it evokes serious within the recesses of readers' hearts.

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