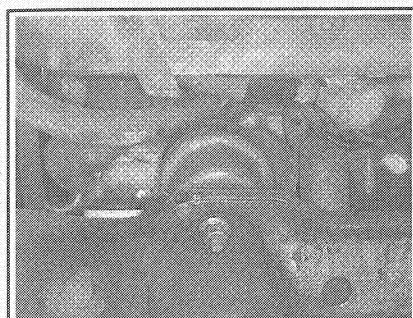




93143P17

Fig. 7 Flex sockets are a big help here. Only remove the lower nut to remove the engine



93143P19

Fig. 8 Just remove the lower nut to pull the engine. Once the engine is out you can easily get the top bolt on the motor mount

For details, please refer to the procedure located in Section 5 of this manual.

3. Disengage the underhood light wiring connector. Matchmark the position of the hood hinges, then remove the hood.
4. Remove the oil level indicator tube.
5. Disconnect the alternator-to-voltage regulator wiring assembly if equipped.
6. Remove the radiator upper sight shield.
7. Remove the Integrated Relay Controller Module (IRCM) and the bracket retaining bolts, then position the IRCM and bracket out of the way.
8. Remove the air cleaner assembly.
9. Disconnect the cooling fan motor and the front center radiator primary-crash-sensor wire connectors, if equipped.
10. Remove the cooling fan motor/fan blade and fan shroud assembly.
11. Remove the upper radiator hose.
12. Disconnect and plug the transaxle oil cooler inlet and outlet tubes to prevent dirt and grease from entering the tubes. Disconnect the heater hoses.
13. Disconnect the power steering pressure hose assembly.
14. Disconnect the engine control sensor wiring from the A/C clutch field coil. Discharge the A/C system using the proper equipment, then disconnect the compressor-to-condenser discharge line.
15. Remove the radiator coolant recovery reservoir assembly. Remove the wiring shield from the throttle body.
16. Remove the accelerator cable-mounting bracket.

17. Disconnect the fuel supply and return lines.
18. Disconnect the power steering pump pressure hose from the bracket.
19. Disconnect the fuel charging wiring from the engine control sensor wiring assembly.
20. Identify, tag, and disconnect all necessary vacuum hoses.
21. Disconnect the ground wire assembly. Remove the air cleaner outlet tube.
22. Disconnect one end of the throttle control valve cable. Detach the bulkhead electrical connector and transaxle pressure switches.
23. Remove the transaxle support assembly retaining bolts, then remove the transaxle support assembly from the vehicle.
24. Raise and safely support the vehicle. Remove the wheel and tire assemblies.
25. Position a drain pan under the car's oil pan, then drain the engine oil and remove the filter. Move the drain pan out of the way.
26. Disconnect the heated oxygen sensor.
27. Loosen and remove the drive belt. Remove the crankshaft pulley and drive belt tensioner assemblies.
28. Remove the starter motor. For details, please refer to the procedure located earlier in this section.
29. Remove the dual converter Y-pipe retaining bolts, then remove the Y-pipe.
30. Remove the left and right front engine support (motor mount) insulator-to-front subframe retaining nuts.
31. If equipped, remove the engine rear cover, then remove the converter-to-flywheel nuts.
32. Disconnect the engine control sensor wiring from the low oil level sensor. Remove the crankshaft pulley and damper assembly.
33. Disconnect the lower radiator hose.
34. Remove the engine-to-transaxle bolts and partially lower the vehicle. Remove the front wheel and tire assemblies.
35. Unfasten the water pump pulley retaining bolts.
36. Remove the distributor cap and position aside, then pull out the distributor rotor.
37. Remove the radiator.
38. Unfasten the exhaust manifold bolt lock retaining bolts. Remove the thermactor air pump retaining bolts and the thermactor air pump.
39. Disconnect the engine control sensor wiring from the oil pressure sensor.
40. Install Engine Lifting Eyes, then position, and install suitable engine lifting equipment.
41. Position a suitable jack under the transaxle and raise the transaxle slightly, then remove the water pump pulley.
42. Carefully remove the engine from the vehicle.

To install:

➤ **Lightly oil all bolt and stud threads before installation, except those specifying special sealant.**

43. Position the engine assembly in the vehicle.
44. Install the engine-to-transaxle bolts, then remove the jack from under the transaxle, and remove the engine lifting equipment. Remove the engine lifting eyes. Place all lifting equipment aside and out of the way.
45. Tighten the engine-to-transaxle bolts to 41–50 ft. lbs. (55–68 Nm).

46. Engage the engine control sensor wiring to the oil pressure sensor.
47. Install the air conditioning compressor and tighten the retaining bolts to 30–45 ft. lbs. (41–61 Nm). Connect the compressor-to-condenser discharge line.
48. Connect the A/C clutch field coil to the engine control sensor wiring.
49. Fasten the heater hoses and the fuel supply and return hoses, then connect the vacuum hoses.
50. Connect the engine control module wiring assembly.
51. Attach the transaxle oil cooler inlet and outlet tubes.
52. Install the radiator assembly.
53. Partially raise and safely support the vehicle.
54. Install the converter-to-flywheel nuts/bolts and tighten to 20–34 ft. lbs. (27–46 Nm).
55. Install the left and right front engine supports, then install the engine rear plate.
56. Install the starter motor. For details, please refer to the procedure located earlier in this section.
57. Connect the lower radiator hose.
58. Install the drive belt-tensioner assembly and the crankshaft pulley and vibration damper assembly. Tighten the crankshaft pulley retaining bolts to 20–28 ft. lbs. (27–38 Nm).
59. Install the dual converter Y-pipe, then connect the engine control sensor wiring to the heated exhaust gas oxygen sensor.
60. Install the oil filter, and then connect the engine control sensor wiring to the low oil level sensor.
61. Carefully lower the vehicle.
62. Position the thermactor air supply pump and install the retaining bolts.
63. Connect the vacuum pump and install the exhaust air supply pump pulley assembly.
64. Install the wiring shield.
65. Install the distributor cap and rotor.
66. Install the radiator reservoir/coolant recovery assembly, upper radiator hose, and water pump pulley.
67. Connect the alternator-to-voltage regulator wiring assembly, then fasten the fuel charging wiring to the engine control sensor wiring.
68. Connect the wiring assembly ground.
69. Install the accelerator cable-mounting bracket.
70. Connect the power steering pressure hose assembly and the power steering return hose.
71. Install the cooling fan motor/fan blade and the fan shroud assembly.
72. Connect the cooling fan motor and the front center radiator primary-crash-sensor wire connectors.
73. Install the IRCM relay and bracket. Make sure to tighten the retainers securely.
74. Install the drive belts.
75. Position and install the engine and transaxle support assembly.
76. Install the radiator upper sight shield.
77. Partially raise and safely support the vehicle. Install the wheel and tire assemblies, then tighten the lug nuts to 85–105 ft. lbs. (115–142 Nm).
78. Carefully lower the vehicle.
79. Install the hood, using the aligning marks made during removal, and connect the negative battery cable.