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REMOVAL

- REMOVE FRONT <u>WHEEL</u> Torque: **103 Nm (1,050 kgf.cm, 76 ft. lbs.)** M/T or A/T RH side: REMOVE LOWER SUSPENSION ARM
- - a. Remove the engine under cover.



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b. Remove the bolt and 2 nuts, and disconnect the lower suspension arm from the lower ball joint. Torque: 142 Nm (1,450 kgf.cm, 105 ft. lbs.)



- c. Remove the 2 bolts, nut and lower suspension arm. Torque: **137** Nm (**1,397** kgf.cm, **101** ft. lbs.) HINT: At the time of installation, after stabilizing the <u>suspension</u>, torque the bolts.
- 3. A/T LH side: REMOVE LOWER SUSPENSION ARM
 - a. Remove the engine under covers.



- b. Disconnect the RH and LH tie rod ends.
 - 1. Remove the cotter pin and nut. Torque: **49 Nm (500 kgf.cm, 36 ft. lbs.) HINT:** At the time of installation, if the holes for a new cotter pin are not aligned, tighten the nut further up to 60°.
 - 2. Using SST, disconnect the tie rod end from the steering knuckle. SST 09610-20012
 - 3. Employ the same manner described above to the other side.

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- c. Disconnect the RH and LH stabilizer bar links.
 - 1. Remove the nut and disconnect the stabilizer bar link from the <u>shock absorber</u>. Torque: **44 Nm (449 kgf.cm, 32 ft. lbs.) HINT:** If the ball joint turns together with the nut, use a hexagon (5 mm) wrench to hold the stud.
 - 2. Employ the same manner described above to the other side.



- d. Disconnect the RH and LH lower suspension arms from the lower ball joints.
 - 1. Remove the bolt and 2 nuts, and disconnect the lower suspension arm from the lower ball joint. Torque: 142 Nm (1,450 kgf.cm, 105 ft. lbs.)
 - 2. Employ the same manner described above to the other side.



- e. Loosen the lower suspension arm set bolts. Torque: 137 Nm (1,397 kgf.cm, 101 ft. lbs.) HINT: At the time of installation, after stabilizing the suspension, torque the bolts.
- f. Remove the engine hood.

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- g. Attach the engine sling device to the engine hangers.
 - 1. Disconnect the 2 PCV hoses.
 - Install the No. 1 and No. 2 engine hangers in the correct direction. Parts No.: (1ZZ-FE engine) No. 1 engine hanger: 12281-22021 No. 2 engine hanger: 12281-15040 or 12281-15050 Bolt: 91512-B1016 Parts No.: (2ZZ-GE engine) No. 1 engine hanger: 12281-88600 No. 2 engine hanger: 12282-88600 Bolt: 91512-61020 Torque: 38 Nm (387 kgf.cm, 28 ft. lbs.)
 - 3. Attach the engine chain hoist to the engine hangers. **CAUTION:** Do not attempt to hang the engine by hooking the chain to any other part.



- h. Disconnect the PS gear assembly from the suspension member.
 - 1. Remove the 4 set bolts. Torque: 58 Nm (591 kgf.cm, 43 ft. lbs.)
 - 2. Tie the PS gear assembly to suspend it securely.



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- i. Remove the bolt A and 3 nuts, and disconnect the engine rear mount. Torque: **52 Nm (530 kgf.cm, 38 ft. lbs.)** Remove the 2 bolts (B) and disconnect the engine front mount. Torque: **52 Nm (530 kgf.cm, 38 ft. lbs.)**
- k. Using a transmission jack, support the suspension member.
- Remove the 6 bolts (C and D) and lower the suspension member. Torque: Bolt C: 157 Nm (1,600 kgf.cm, 116 ft. lbs.) Bolt D: 39 Nm (400 kgf.cm, 29 ft. lbs.)
- m. Remove the 2 bolts, nut and lower suspension arm.

INSTALLATION

Installation is in the reverse order of removal.

HINT: After installation, check the front wheel alignment.