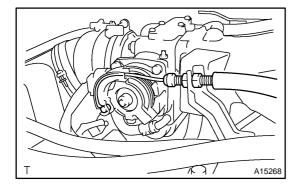
EM1MT-02

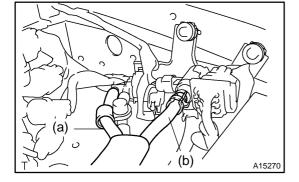
REMOVAL

- REMOVE TRANSMISSION (See page AT-19)
- **REMOVE ENGINE UNDER COVER**
- DRAIN ENGINE COOLANT AND OIL 3.
- **REMOVE HOOD**
- REMOVE RADIATOR ASSEMBLY (See page CO-18) 5.
- REMOVE FAN WITH FLUID COUPLING AND FAN PUL-**IFYS**
- **REMOVE AIR CLEANER ASSEMBLY** 7.
- 8. DISCONNECT ACCELERATOR CABLE FROM THROTTLE BODY
- 9. **DISCONNECT HEATER HOSES**

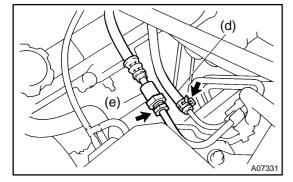


10. **DISCONNECT HOSES**

- Disconnect the EVAP hose. (a)
- (b) Disconnect the CCV hose.

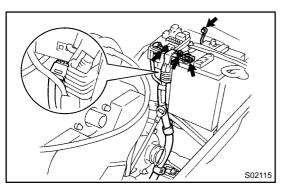


- Disconnect the fuel return hose. (c)
- (d) Disconnect the fuel inlet hose.



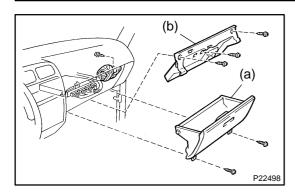
DISCONNECT STARTER WIRE AND CONNECTORS 11.

- Remove the bolt, and disconnect the ground strap. (a)
- Remove the 2 nut, and disconnect the positive (+) termi-(b) nal cable from the battery.
- Disconnect the 2 starter wire clamps and connector. (c)
- Remove the nut, and disconnect the wire from the relay block No.2.
- 12. **DISCONNECT GENERATOR WIRE (See page CH-6**)



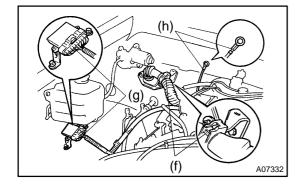
2002 4RUNNER (RM887U)

Author: Date: 885

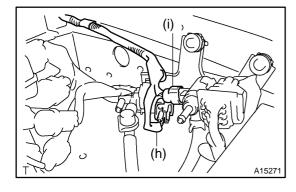


13. DISCONNECT ENGINE WIRE FROM CABIN

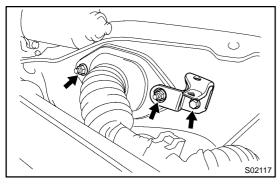
- (a) Remove the glove compartment door.
- (b) Remove the lower finish No.2 panel.
- (c) Disconnect the 5 ECM connectors.
- (d) Disconnect the 2 cassette connectors (cowl wire x engine wire) and 2 wire clamps from the lower finish panel.



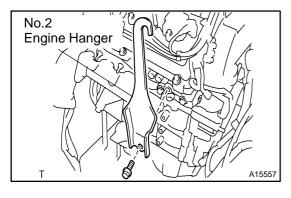
- (e) Disconnect the engine wire clamp.
- (f) Disconnect the igniter connector.
- (g) Disconnect the ground strap.



- (h) Disconnect the VSV connector for the EVAP.
- (i) Disconnect the VSV connector for the CCV and clamp.



- (j) Remove the bolt and wire bracket.
- (k) Remove the 2 nuts holding the engine wire retainer to the cowl panel, and pull out the engine wire from the cabin.



14. REMOVE ENGINE

(a) w/ A/C:

Remove the bolt and disconnect the A/C compressor wire clamp.

2002 4RUNNER (RM887U)

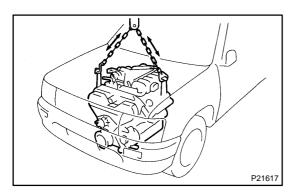
Author: Date: 886

(b) Install the No. 2 engine hanger with the bolt in the correct direction.

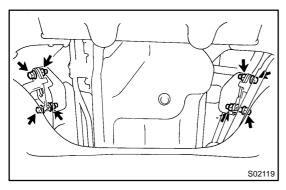
Parts No.:

No. 2 engine hanger	12282-62050
Bolt	90119-10684

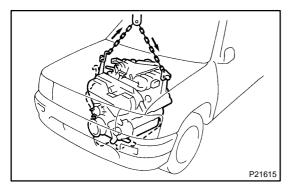
Torque: 45 N-m (459 kgf-cm, 33 ft-lbf)



(c) Attach the engine hoist chain to the 2 engine hangers.



(d) Remove the 4 bolts and nuts holding the engine front mounting insulators to the frame.



(e) Lift the engine out of the vehicle slowly and carefully. **NOTICE:**

Make sure the engine is clear of all wiring and hoses.

(f) Place the engine assembly onto the stand.

2002 4RUNNER (RM887U)

Author: Date: 887