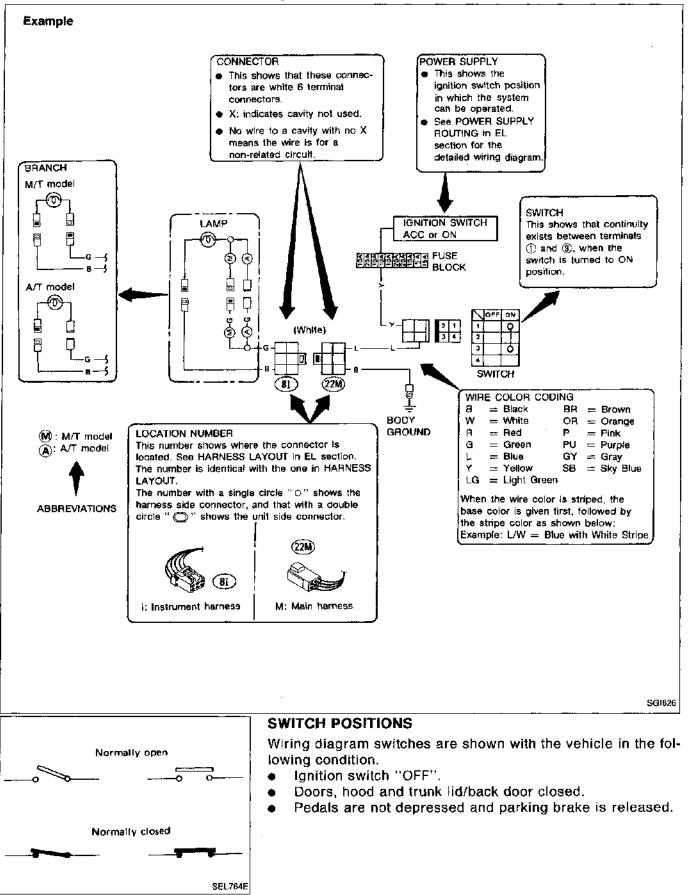
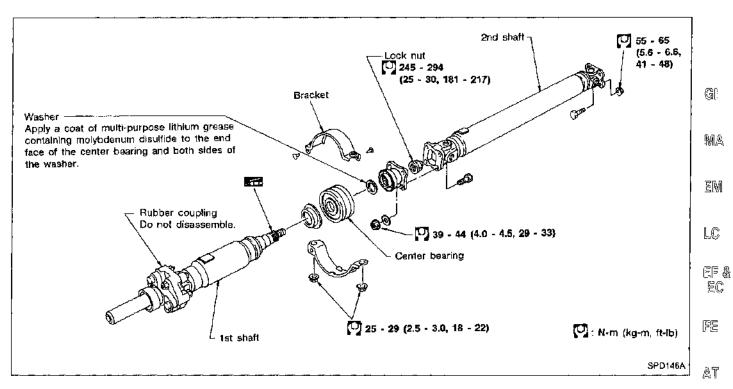
WIRING DIAGRAM

Symbols used in WIRING DIAGRAM are shown below:



PROPELLER SHAFT



A LIGNMENT MARK ARRANGEMENT Propeller snaft A B C C SPD053A

On-vehicle Service

PROPELLER SHAFT VIBRATION

If vibration is present at high speed, check mounting between propeller shaft and companion flange.

If not, change mounting as indicated in "Installation".

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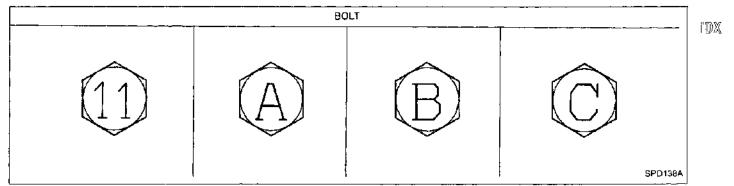
APPEARANCE CHECKING

- Inspect propeller shaft tube surface for dents or cracks.
 If damaged, replace propeller shaft assembly.
- If center bearing is noisy or damaged, replace center bearing.

Removal

Before removing propeller shaft from vehicle, check marks on the bolt heads so that bolts can be reused in their original positions.

If propeller shaft is replaced with a new one, replace all bolts and with "11" bolts. Do not use "A", "B" or "C" bolts.



Supplemental Restraint System "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System "Air Bag" and "Seat Belt Pre-tensioner" help to reduce the risk or severity of injury to the driver and front passenger in a frontal collision. The Supplemental Restraint System consists of air bags (located in the center of the steering wheel and on the instrument panel on the passenger side), seat belt pre-tensioners, sensors, a diagnostic unit, warning lamp, wiring harness and spiral cable. Information necessary to service the system safely is included in the **BF section** of this Service Manual.

WARNING:

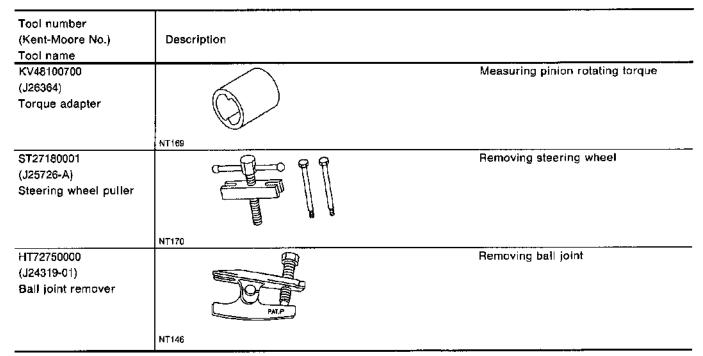
- To avoid rendering the SRS inoperative, which could lead to personal injury or death in the event of a severe frontal collision, all maintenance must be performed by an authorized INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system.
- All SRS air bag electrical wiring harnesses and connectors are covered with yellow outer Insulation. Do not use electrical test equipment on any circuit related to the SRS SYSTEM.

STEERING SYSTEM

- Before disassembly, thoroughly clean the outside of the unit.
- Disassembly should be done in a clean work area. It is important to prevent the internal parts from becoming contaminated by dirt or other foreign matter.
- When disassembling parts, be sure to place them in order in a parts rack so they can be reinstalled in their proper positions.
- Use nylon cloths or paper towels to clean the parts; common shop rags can leave lint that might interfere with their operation.
- Before inspection or reassembly, carefully clean all parts with a general purpose, non-flammable solvent.
- Before assembly, apply a coat of recommended ATF* to hydraulic parts. Vaseline may be applied to O-rings and seals. Do not use any grease.
- Replace all gaskets, seals and O-rings. Avoid damaging O-rings, seals and gaskets during installation. Perform functional tests whenever designated.
- *: Automatic transmission fluid

Preparation

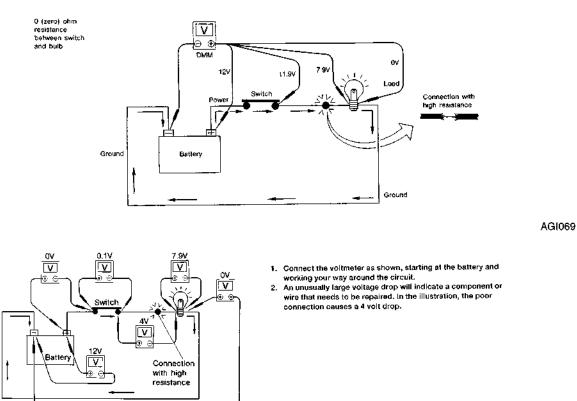
SPECIAL SERVICE TOOLS



Oil Pressure Switch: Oil pressure PSI More Than 10 - 20 Less Than 10 - 20	Continuity NO YES	
Bulb Specifications: Item Headlamp	Wattage (12V).	Bulb No.
Outside Low Beam Inside High Beam Front Turn Signal/Park Front Side Marker Rear Side Marker Rear Turn Signal Stop/Tail Lamp Center Stop Lamp Back-up Lamp License Plate Lamp Interior Lamp Spot Lamp (type A) Spot Lamp (type B) Step Lamp Trunk Room Lamp	55 65 27/8 5 3.8 27 27/8 18 27 5 10 10 10 8 3.4 3.4	9006 9005 1157NA 194 1156 1157 921 1156

How to perform voltage drop test: See Illustrations

Symptom: Dim bulb or no operation

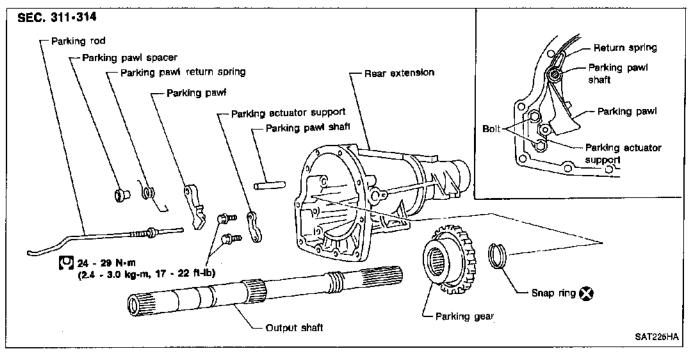


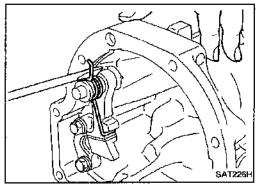
The chart that follows illustrates some maximum allowable voltage drops. These values are given as a guideline, the exact value for each component may vary.

COMPONENT	VOLTAGE DROP
Wire	negligible <.001 volts
Ground Connections	Approx. 0.1 volts
Switch Contacts	Approx. 0.3 volts

AG1055

Parking Pawl Components

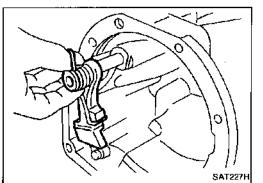




DISASSEMBLY

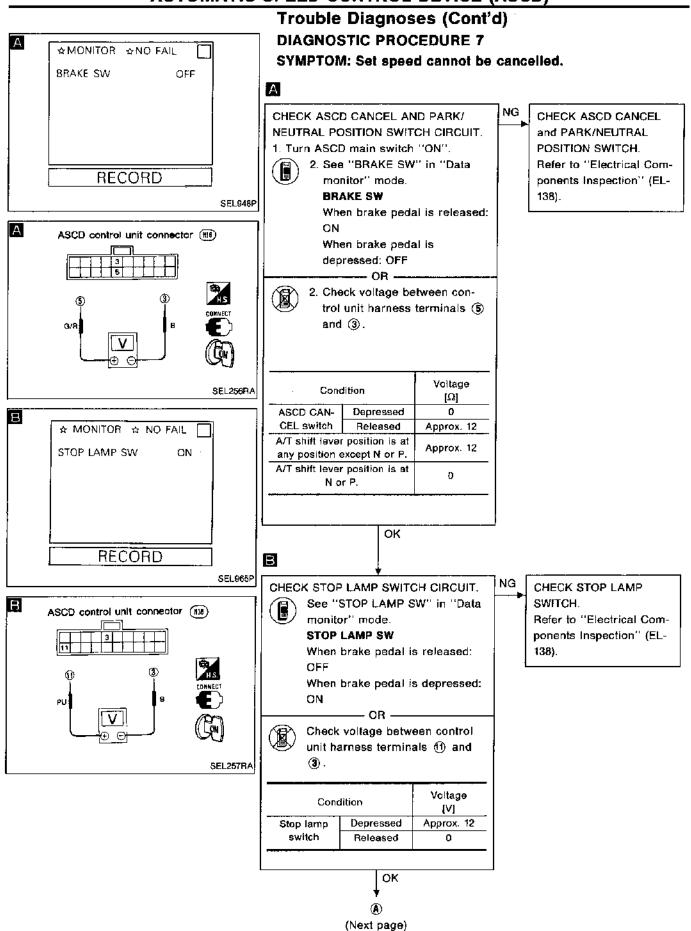
1. Slide return spring to the front of rear extension flange.

- 2. Remove return spring, pawl spacer and parking pawl from rear extension.
- 3. Remove parking pawl shaft from rear extension.



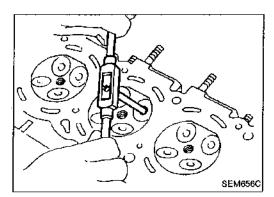
- SAT228H
- 4. Remove parking actuator support from rear extension.

AUTOMATIC SPEED CONTROL DEVICE (ASCD)



CYLINDER HEAD

Inspection (Cont'd)



5. Ream valve guide. Finished size: Intake and Exhaust

6.000 - 6.018 mm (0.2362 - 0.2369 in)

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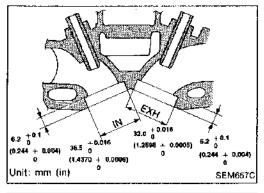
VALVE SEATS

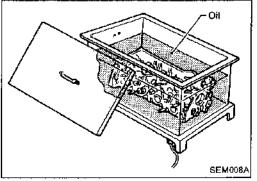
Check valve seats for evidence of pitting at valve contact $\underline{\mathbb{LG}}$ surface, and reseat or replace if it is worn excessively.

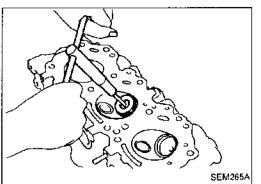
- Before repairing valve seats, check valve and valve guide EC for wear. If they have worn, replace them. Then correct valve seat.
- Cut with both hands to assure a uniform surface.

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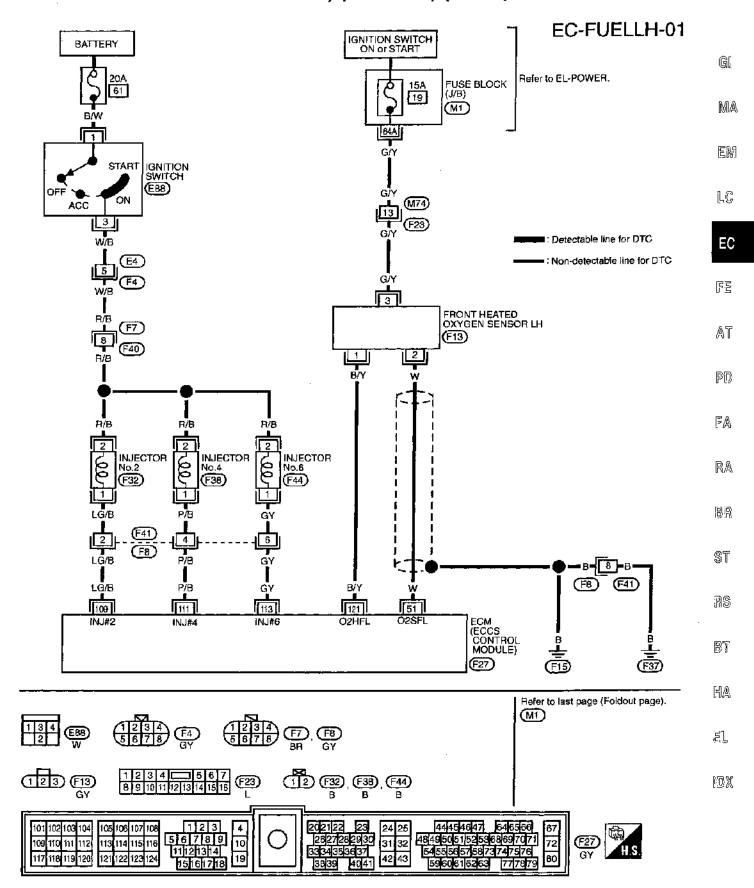


RE 1.	PLACING VALVE SEAT FOR SERVICE PARTS Bore out old seat until it collapses. Boring should not con-	PD
2.	tinue beyond the bottom face of the seat recess in cylinder head. Ream cylinder head recess.	FA
	Reaming bore for service valve seat Oversize [0.5 mm (0.020 in)]: Intake 36.500 - 36.516 mm (1.4370 - 1.4376 in)	RA
	Exhaust 32.000 - 32.016 mm (1.2598 - 1.2605 in) sure to ream in circles concentric to the valve guide center. s will enable valve seat to fit correctly.	RR
3. 4.	Heat cylinder head to 150 to 160°C (302 to 320°F). Press fit valve seat until it seats on the bottom.	\$T
	· ·	RS
		BT
		HA
		· ''

- Ēſ Cut or grind valve seat using suitable tool at the specified 5. dimensions as shown in SDS (EM-54).
- After cutting, lap valve seat with abrasive compound. 6. 酸X Check valve seat contact condition. 7.

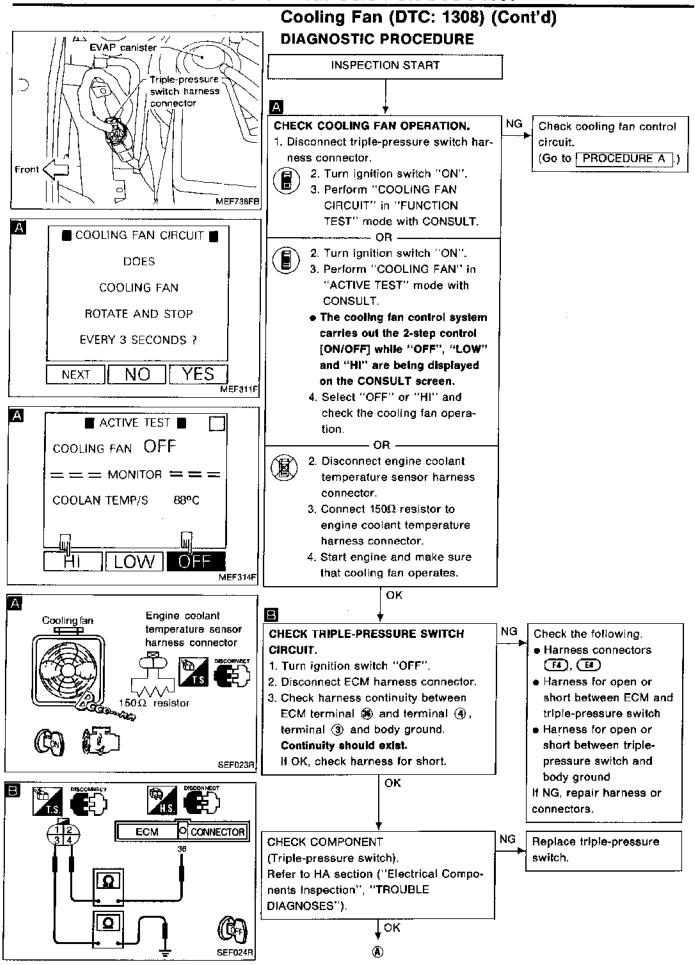
TROUBLE DIAGNOSIS FOR DTC P0174

Fuel Injection System Function (Left bank) (Lean side) (DTC: 0210) (Cont'd)

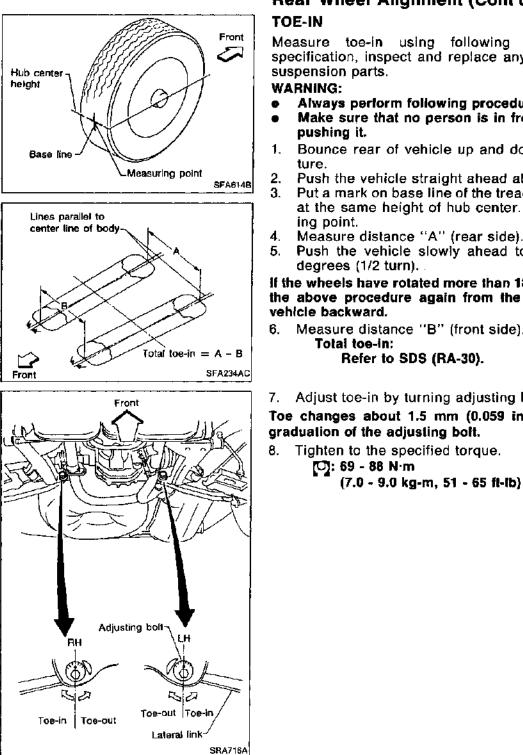


SEF693Q

TROUBLE DIAGNOSIS FOR DTC P1900



ON-VEHICLE SERVICE



Rear Wheel Alignment (Cont'd)

Measure toe-in using following procedure. If out of specification, inspect and replace any damaged or worn rear

- Always perform following procedure on a flat surface.
- Make sure that no person is in front of the vehicle before MA
- Bounce rear of vehicle up and down to stabilize the pos-
- Push the vehicle straight ahead about 5 m (16 ft). EM
- Put a mark on base line of the tread (rear side) of both tires at the same height of hub center. This mark is a measur-1C
- Measure distance "A" (rear side).
- Push the vehicle slowly ahead to rotate the wheels 180 EC

If the wheels have rotated more than 180 degrees (1/2 turn), try the above procedure again from the beginning. Never push FE

Measure distance "B" (front side). AT

Adjust toe-in by turning adjusting bolts.

PD Toe changes about 1.5 mm (0.059 in) [One side] with each

- FA

RA

GI

- 3R
- ST
- RŜ
- BT

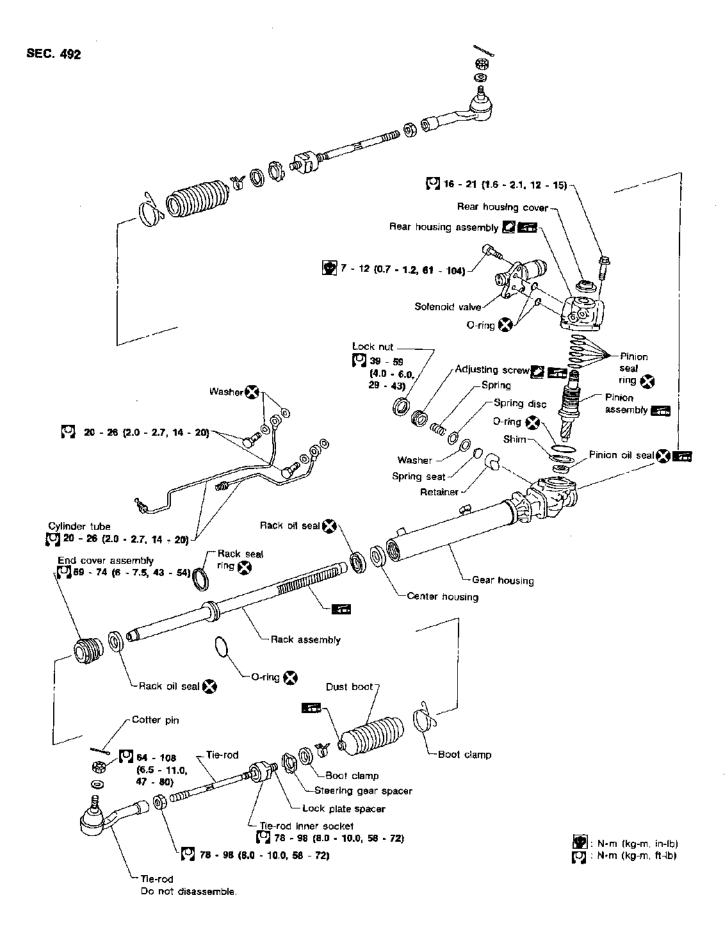
 - HA

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Drive Shaft

Check boot and drive shaft for cracks, wear, damage or grease 10X leakage.

POWER STEERING GEAR AND LINKAGE



CAUTION:

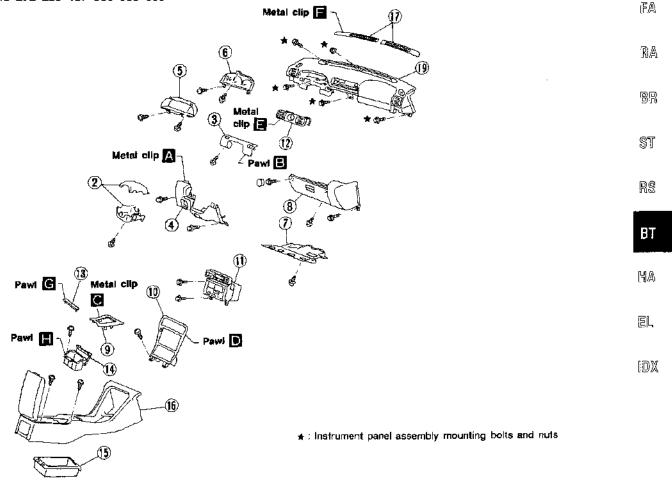
- Disconnect both battery cables in advance.
- Disconnect air bag system line in advance.
- Never force the air bag lid open or tamper with it as this may adversely affect air bag performance.
- Be careful not to scratch pad and other parts.

REMOVAL — Instrument panel assembly

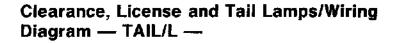
- ① Remove steering wheel. Disengage air bag system in advance. Refer to RS section. MA 2 Remove steering column cover. (3) Remove cluster lid D. ④ Remove lower instrument panel on driver's side. ٤M (5) Remove cluster lid A. (6) Remove combination meter. ίLC ⑦ Remove lower instrument cover on passenger side. (8) Remove glove box assembly. Remove A/T finisher. EC, Remove cluster lid C. Remove A/C control and radio. (2) Remove center ventilator. FE (B) Remove console mask. Remove cup holder. (1) Remove console pocket. AT
- (Remove lower instrument center panel.
- ⑦ Remove defroster grille.

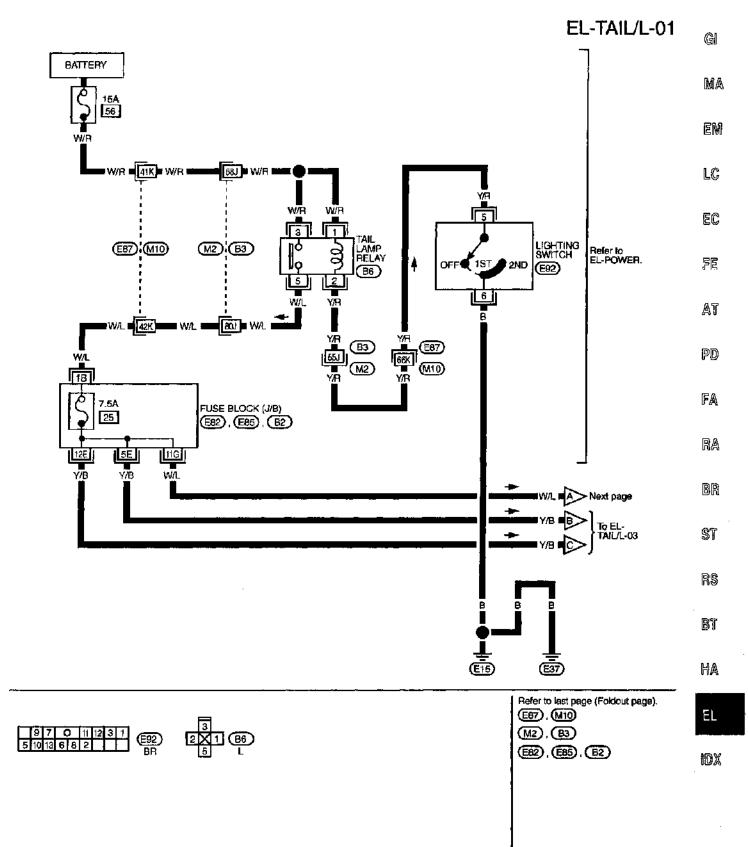
(B) Remove front pillar garnish. Refer to "Side and Floor Trim" in "INTERIOR TRIM" for details (BT-13). 2T) (9) Remove instrument panel and pads.

SEC. 248-272-280-487-680-685-969



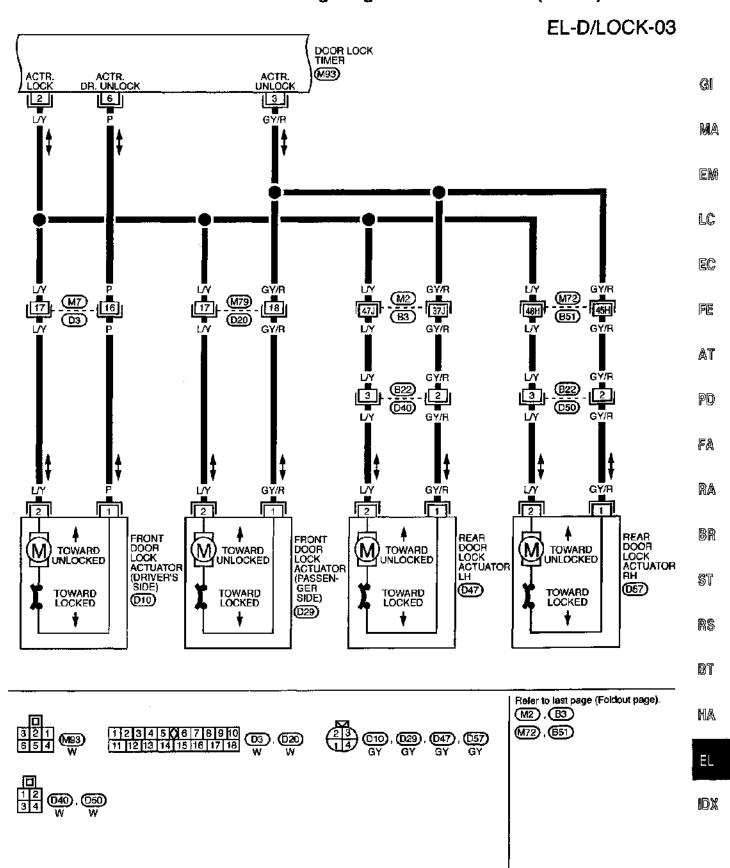
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Wiring Diagram — D/LOCK — (Cont'd)



HARNESS LAYOUT

Body Harness and Tail Harness

