



# NISSAN DIESEL AMERICA, INC. RECALL BULLETIN

DATE: APRIL 10, 2000  
MODEL YEAR: 1995 ~ 1998  
MODELS AFFECTED: UD1800/UD2000/UD2300/UD2600/UD3000  
BULLETIN #: SC - 059  
FILE AT THE END OF THE ENGINE SECTION OF THE TECHNICAL BULLETIN BINDER

VOLUNTARY SAFETY RECALL CAMPAIGN #00V - 059:  
1995 ~ 1998 MODEL YEAR MEDIUM DUTY VEHICLE STOP MOTOR INSTALLATION

## MODELS AFFECTED

All 1995 through 1998 model year UD1800, UD2300, UD2600 and UD3000, and 1998 model year UD2000 medium duty vehicles. Each dealer will receive a computer listing of affected vehicle identification numbers either in unsold inventory or retail delivered to customers by the dealer. The applicable vehicles, listed below by model and VIN, involved in this safety recall are as follows:

UD1800	JNAMA20HXSGF50001 to JNAMA20H7WGN65722
UD2000	JNAMB20H4WGF65001 to JNAMB20H7WGN65328
UD2300	JNALC20HXSGD50001 to JNALC20H4WGN65313
UD2600	JNAPA20H7SGN50001 to JNAPA20H0WGN65381
UD3000	JNAPB20H8SGL50001 to JNAPB20H6WGS65065

## DESCRIPTION

The possibility exists that the fuel injection pump shutdown solenoid of the involved vehicles may have insufficient water-proof protection of the electromagnet solenoid coil windings. Under isolated conditions, water entry into the internal coil windings of the solenoid can cause the windings to short circuit and not allow the vehicle to start. This condition does not occur during vehicle operation.

The repairs to correct this condition consist of removing the existing fuel injection pump shutdown solenoid and replacing it with a stop motor assembly.

All owners of the affected vehicles will be notified by mail and instructed to make an appointment with an authorized UD Truck Dealer to have this Safety Recall performed. This repair will be made free of charge to the UD Truck Customer.

The National Highway Traffic Safety Administration has assigned the identification number 00V-059 to this Safety Recall. This number must appear on all communications and documentation of any nature related to the campaign described in this bulletin.

## ADMINISTRATION / DEALER RESPONSIBILITY

Proceed immediately to make the necessary repairs to the affected vehicles in unsold dealer inventory. All new and used inventory vehicles subject to this recall must be corrected prior to sale, transfer or delivery. Each dealer will receive a computer listing of all affected vehicle identification numbers in either unsold inventory or retail delivered to customers. With this computer listing, the dealer will receive an "Authorization For Recall Notification Service" card for all unsold or undelivered inventory vehicles. This postage prepaid card must be filled out correctly and returned to the address on the card indicating whether the vehicle was repaired, transferred, sold, etc. (refer to the UD Warranty Policies & Procedures Manual, Part III, Section 1). For vehicles without an "Authorization for Recall Service" card, check the vehicle identification number with the Vehicle Service Notification screen of the NDANET2 Warranty Claim System menu to verify that it requires the safety recall.

PARTS INFORMATION

The parts kits required to complete the repairs as described in this Safety Recall are available immediately for UD Dealers to order through the NDA Parts Operation Department. Use the attached computer list to order the proper number of parts kits to repair the listed vehicles. Each vehicle requires one (1) stop motor installation parts kit as described in the application chart below. DO NOT ORDER THE INDIVIDUAL PARTS.

**KIT PART NUMBER APPLICATION CHART**

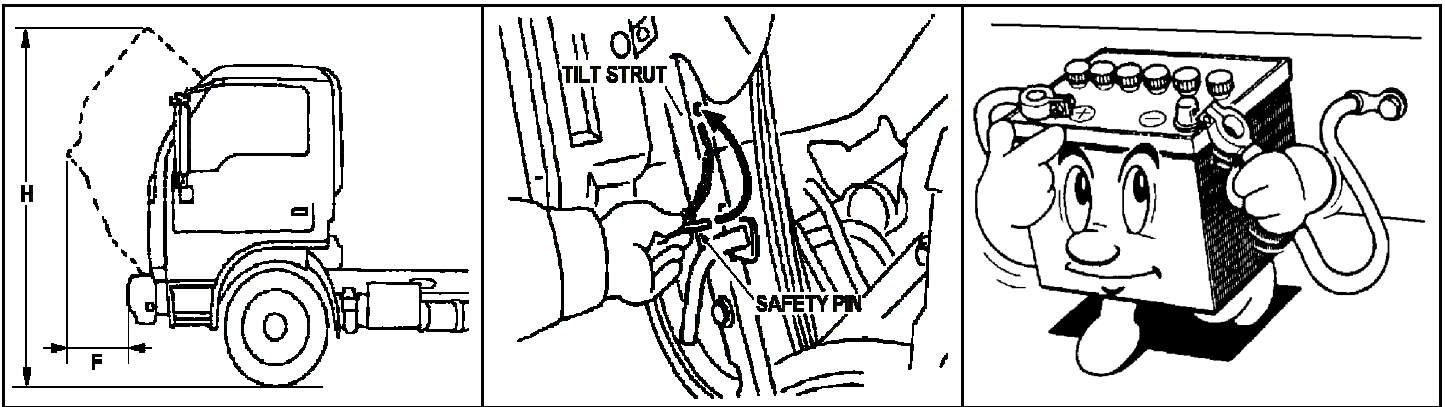
1995~1997 MODEL YEARS UD1800/UD2300	1995~1997 MODEL YEARS UD2600/UD3000	1998 MODEL YEAR UD1800/UD2000/ UD2300	1998 MODEL YEAR UD2600/UD3000	<< INVOLVED VEHICLES	
K9801Z5501	K9801Z5502	K9801Z5503	K9801Z5504	<< KIT PART NUMBER contain the following:	INDIVIDUAL PART NUMBERS:
1	1	1	1	PIN - SNAP	00923 - 1061A
1	1	1	1	BAND - FASTENER	01552 - 00204
2	2	2	2	BAND - FASTENER	01552 - 00214
N/A	1	N/A	1	CLIP	01552 - 30004
1	1	1	1	BAND CLIP	01552 - 30114
N/A	1	N/A	1	STAY	01935 - 02004
5	7	5	7	BOLT	08116 - 8201G
2	N/A	2	N/A	BOLT	08116 - 8252G
N/A	1	N/A	1	BOLT	08116 - 8302G
5	8	5	8	NUT	08911 - 1082G
1	1	1	1	WASHER - PLAIN	08915 - 4362A
1	1	1	1	BRKT - RTRN SPR	16837 - Z9004
1	1	1	1	BRKT - WIRE SUPT	16837 - Z9005
1	1	1	1	SPR - STOP LEVER	19131 - Z9511
1	1	N/A	N/A	BOLT - S/BRKT	19253 - 37501
1	1	N/A	N/A	NUT - S/BOLT	19256 - 99009
2	2	2	2	BOLT	19285 - 99001
1	1	N/A	N/A	BOLT - STOPPER	19285 - 99111
1	1	1	1	SPACER	19301 - Z9008
1	1	1	1	LEVER - STOP	19331 - Z9013
1	1	N/A	N/A	BRKT - STOPPER	19333 - Z9202
1	1	N/A	N/A	PLATE - S/BRKT	19333 - Z9203
1	1	N/A	N/A	BOLT - S/BRKT	19382 - 99107
1	1	1	1	BOLT	19382 - Z9207
1	1	1	1	ENG STOP MOTOR	19801 - Z5579
1	1	1	1	HARN ASSY - RELAY	24004 - 37Z16
1	1	1	1	HARN - ENG STOP	24024 - 34Z76
N/A	1	N/A	1	HARN ASSY - SUB	24024 - 36Z03
1	1	1	1	RELAY	25230 - 79982
1	1	1	1	BRKT ASSY	25235 - 30Z02
N/A	1	N/A	1	BRKT ASSY	25235 - 30Z05
1	1	1	1	WASHER - GROUND	26311 - J5100
1	N/A	1	N/A	BRKT - MOTOR	45475 - 33Z74
N/A	1	N/A	1	BRKT - MOTOR	45475 - 34Z07
N/A	1	N/A	1	STAY	45919 - 13Z76

SERVICE INFORMATION

Safety Recall SC - 059 is a multi-step procedure in which all steps must be completed during the same service appointment. Before servicing the vehicle, read the entire set of instructions first. Observe the following safety precautions to prevent personal injury, damage to property, or both:

- Park the vehicle on a flat surface, place the transmission in NEUTRAL (or PARK for automatic transmissions), set the parking brake and chock the wheels.

- Turn the engine off and allow it to cool before servicing.



- Tilt the cab using the assist handle. When tilting the cab indoors, ensure there is sufficient cab height (H) and forward (F) clearance as illustrated above.
- Insert the safety pin into the designated hole of the tilt strut as illustrated above.
- Disconnect the battery negative (-) cable as illustrated above.

1. Remove the air filter assembly, noise shields and the left mudguard assembly. See Figure 1 on the right for the mounting bolt and nut location for these assemblies.

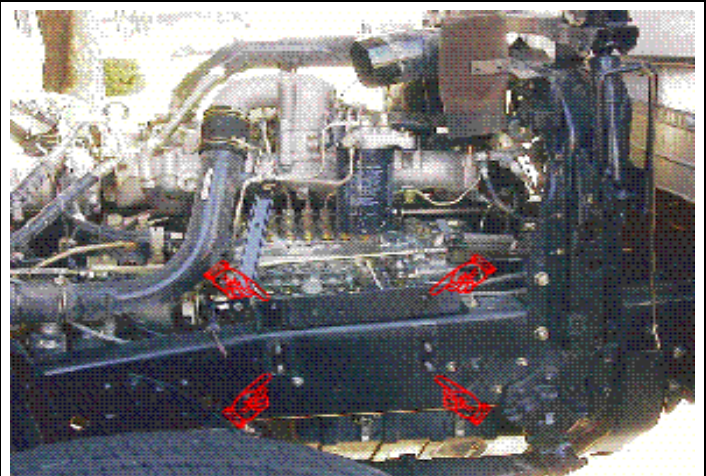


FIGURE 1

2. Assemble the stop motor on the stop motor mounting bracket, shown in Figure 2 on the right, using the two (2) bolts and two (2) nuts provided.

NOTE: The bracket shown is for UD2600/UD3000.

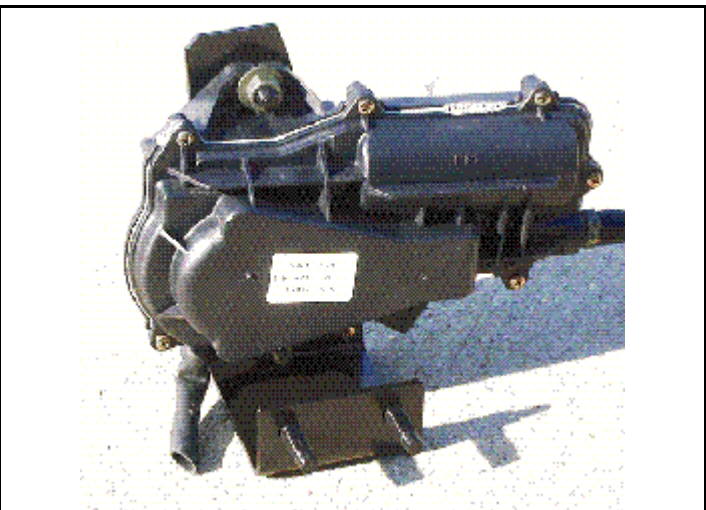


FIGURE 2

3. Remove the shutdown solenoid, mounting bracket, and solenoid rod by removing the snap pin and washer on the injection pump lever and by removing the two (2) bolts attaching the solenoid mounting bracket to the engine flywheel housing. Reattach the battery cable standoff bracket using one of the removed bolts. Retain the snap pin and washer for later use but discard all other removed parts. See Figure 3 on the right.

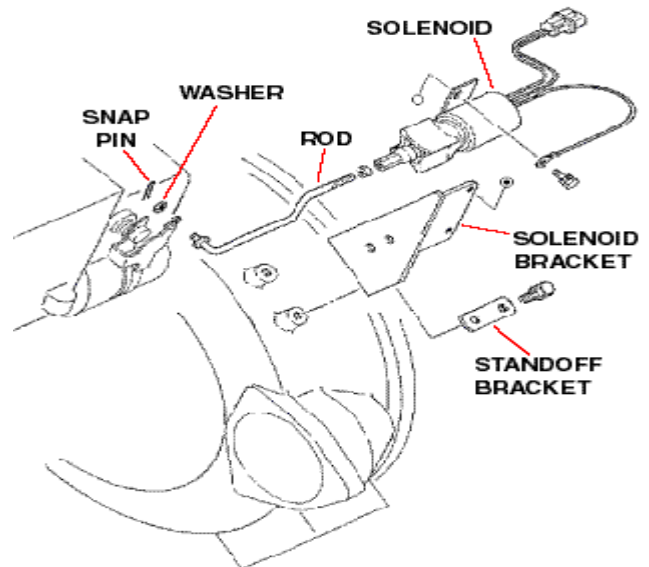


FIGURE 3

4. Remove the two return springs and the return spring bracket at the rear of the injection pump, and the existing shutdown lever on the side of the injection pump. See Figure 4 on the right.

Retain the shutdown lever attaching nut and spring washer and the two return springs for later use. Discard all other removed parts.

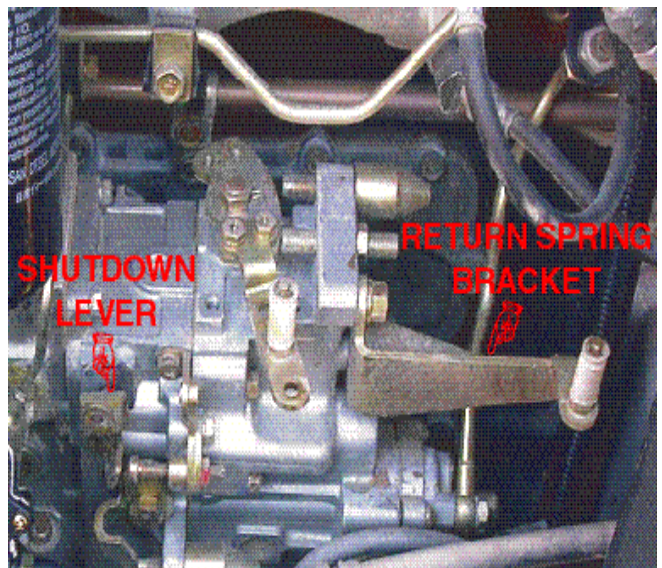


FIGURE 4

5. For 1995 ~ 1997 model year vehicles only, install the stopper bracket as shown in Figure 5a below. 1998 model year vehicles already have a stopper bracket installed on them.

5a. On all involved vehicles, before installing the new stop lever, ensure that the area surrounding the injection pump shutdown shaft is clean of dirt and debris and that the additional return spring and plastic sleeve are installed with the new stop lever.

**NOTE:** Insert the long end of the return spring into the hole in the stop lever. Insert the short end of the return spring into the hole in the injection pump. Refer to Figures 5b and 5c.

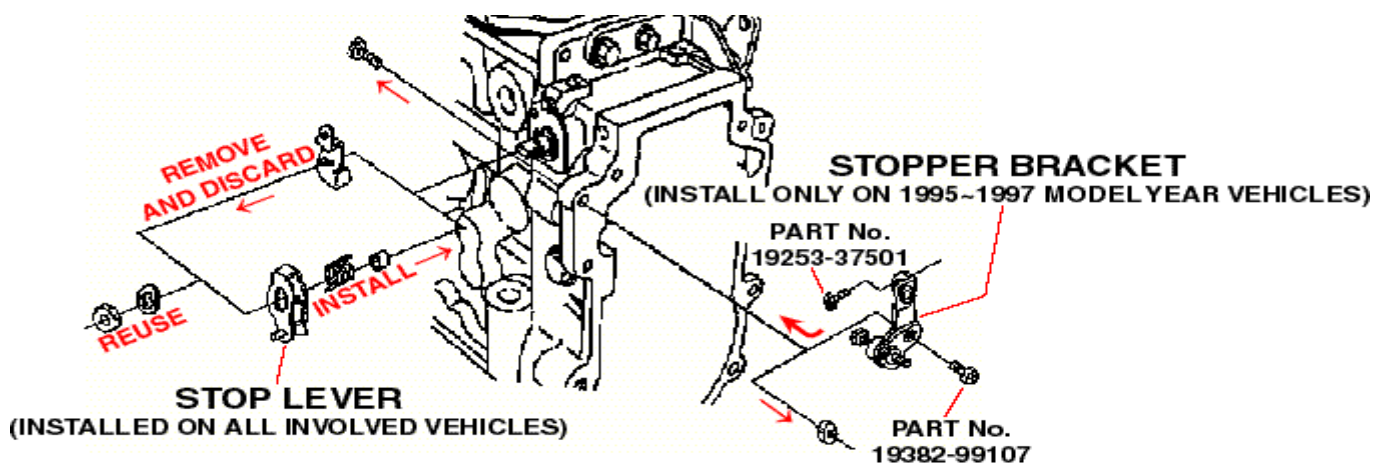


FIGURE 5a



FIGURE 5b

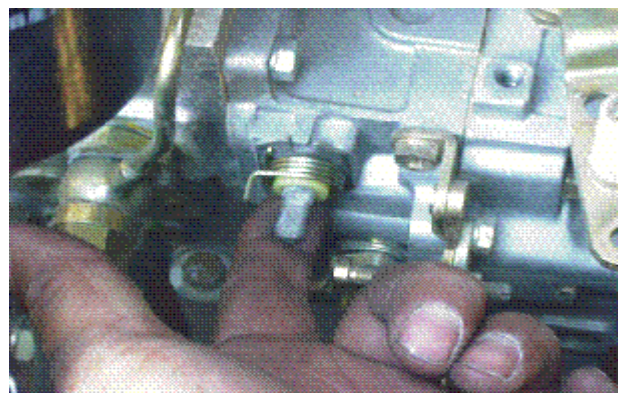


FIGURE 5c

**5b.** On all involved vehicles, install the new stop lever by reusing the nut and spring washer previously removed in [Step 4](#). To tighten the nut, insert a block between the stop lever and the stopper bracket as shown in Figure 5d in order to prevent internal pump damage. Tighten the stop lever nut to 5.1 ~ 7.9 ft·lb (6.9 ~ 10.8 N·m, 0.7 ~ 1.1 kgf·m) of torque. Remove the block.

**5c.** For 1995 ~ 1997 model year vehicles, adjust the stop lever limit screw by loosening the jam nut and adjusting the screw so that the threaded portion measures 14.1 ~ 14.4 mm (0.555 ~ 0.567 in.) between the bottom of the screw head and the screw bracket as shown in Figure 5d. Tighten the jam nut.

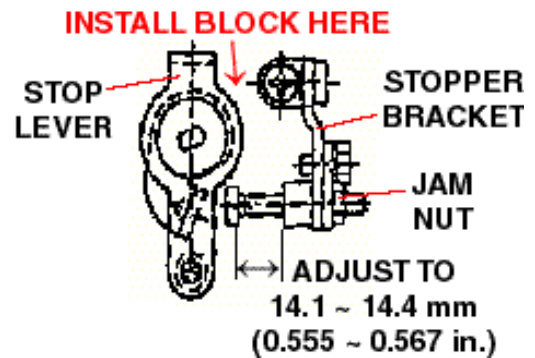


FIGURE 5d

**6.** Install the new return spring bracket and the two return springs previously removed in [Step 4](#). Install the additional stop cable bracket using the three longer bolts provided. Refer to Figure 6 on the right.

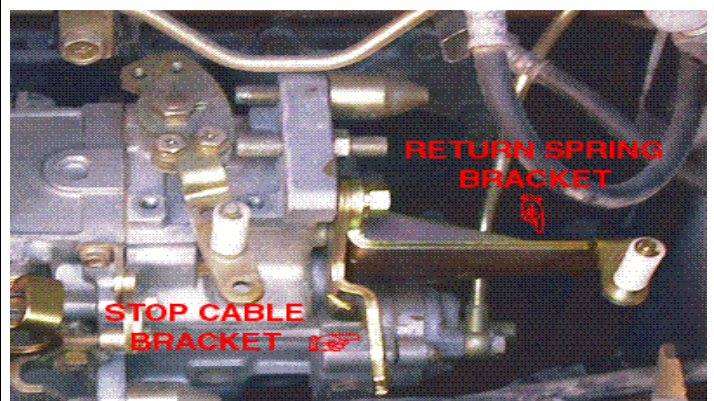


FIGURE 6

7. Loosely install the stop motor and bracket on the left frame rail. See Figure 7a for UD1800/UD2000/UD2300 and Figure 7b for UD2600/UD3000. Do not tighten at this time.

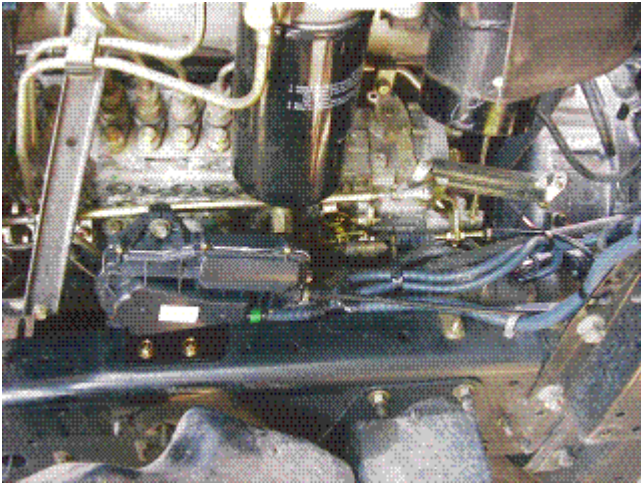


FIGURE 7a UD1800/UD2000/UD2300

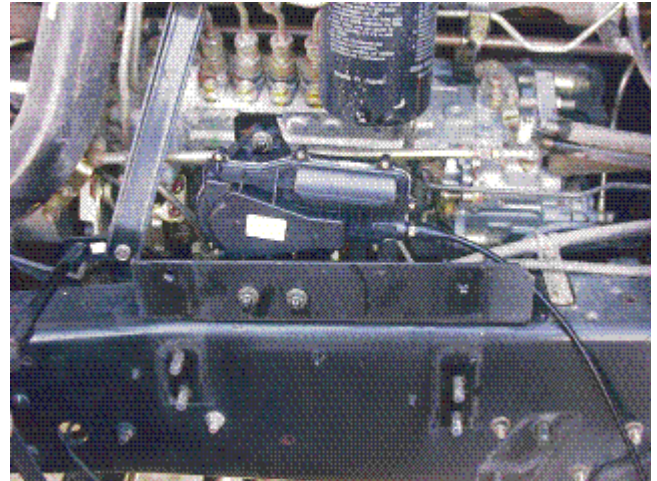


FIGURE 7b UD2600/UD3000

8. Insert the new relay (A) on the relay bracket (B) and mount the bracket onto the rear cab support bracket (C) as shown in Figures 8a and 8b below.

8a. As shown in Figure 8a, attach the relay bracket (B) directly onto the rear cab support bracket (C) on UD1800/UD2000/UD2300 using the two (2) bolts and nuts provided.

8b. As shown in Figure 8b, attach the relay bracket (B) to the extension bracket (D) provided for UD2600/UD3000 using the two (2) bolts and nuts provided. Use the upper two holes leaving the bottom (third) hole in the extension bracket open. Attach the extension bracket (D) to the rear cab support using the bolts provided.

NOTE: The two bolts screw into nut-certs already located on the rear cab support bracket.

Connect the extension wiring harness (E) to the relay connector provided for UD2600/UD3000.

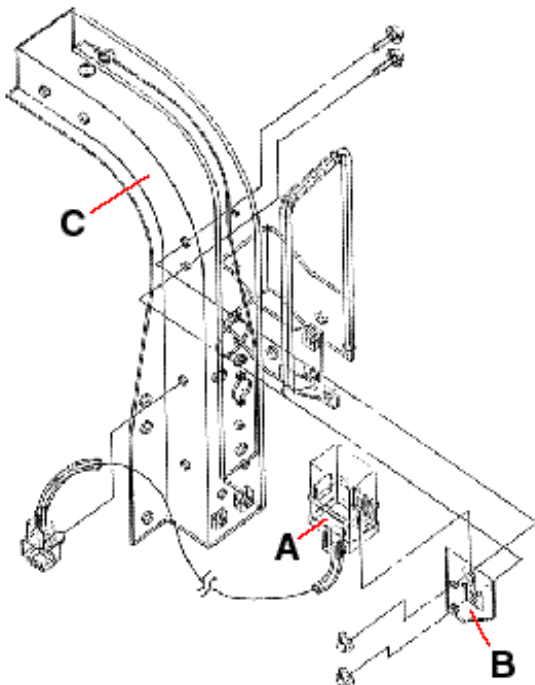


FIGURE 8a UD1800/UD2000/UD2300

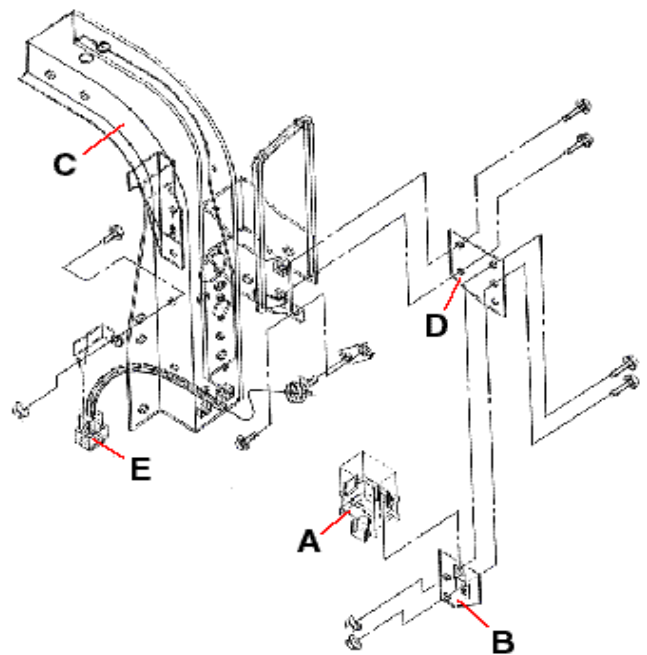


FIGURE 8b UD2600/UD3000

**9.** Connect the stop motor wiring harness to the relay (or relay extension harness), the stop motor and the original stop solenoid electrical connector. Secure the harness to the starter battery cable and existing wiring harnesses with the tie straps provided. See Figure 9.



FIGURE 9

**9a.** Connect the ring eyelet of the harness to the positive post of the starter relay mounted on the inside of the rear cab support. See Figure 9a.

NOTE: The correct (positive) post remains energized under all conditions and is identified by the black rubber boot covering the smaller 8mm nut. The incorrect (negative) post is identified by the larger 10mm nut.

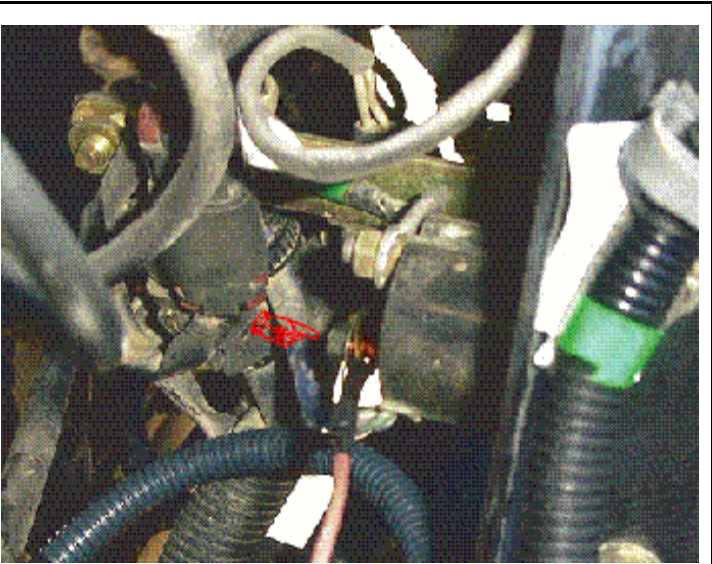
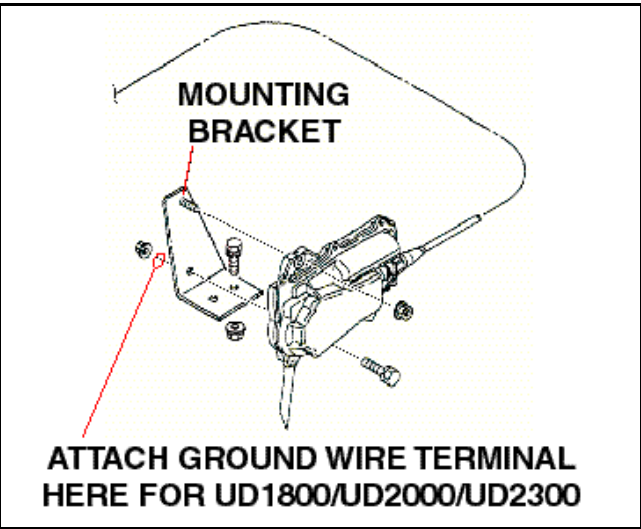
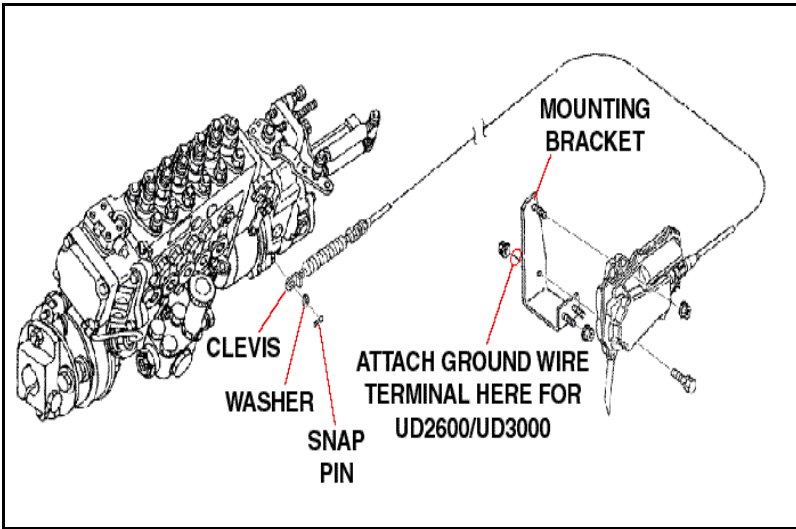


FIGURE 9a

**9b.** Attach the ground wire terminal to the bottom bolt of the stop motor mounting bracket as shown below.

NOTE: ***First remove sufficient paint*** from the bracket where it makes contact with the terminal to ensure an adequate ground connection.



9c. Tighten the nuts and bolts connecting the mounting bracket to the frame side rail.

10. Attach the stop cable clevis to the injection pump stop lever. Install the washer and snap pin previously removed in [Step 4](#). Attach the cable loosely on the stop cable bracket. Adjust the stop cable as follows:

10a. Manually retract the stop lever rearward until it contacts the limit screw and, while holding the lever in this position, lightly tighten the adjusting nut (nut at the rear) and the jam nut (the forward nut) on the cable as shown in Figure 10.

10b. Turn the adjusting nut until there is no slack in the cable between the injection pump and the cable bracket. Tighten the adjusting nut one additional turn. Tighten the jam nut.

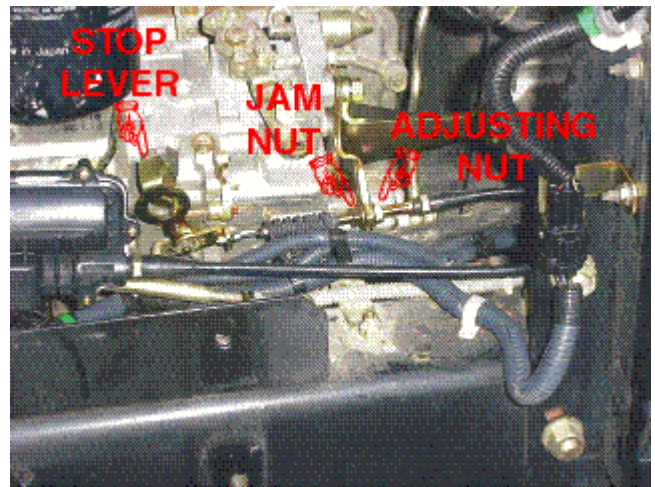


FIGURE 10

11. Secure the harness between the relay and the frame.

11a. On UD1800/UD2000/UD2300, use the harness clip shown as item A in Figure 11.

11b. On UD2600/UD3000, use the two (2) stand-off brackets and the two (2) harness clips provided shown as Item B in Figure 11.

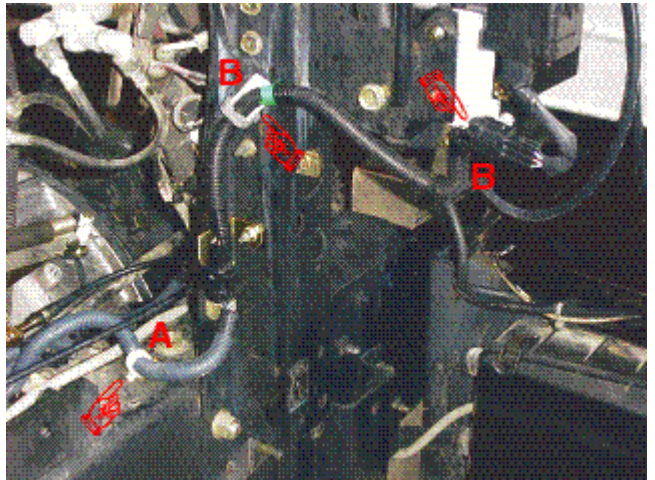


FIGURE 11

12. Reconnect the battery negative (-) cable and check the stop motor assembly operation.

13. Reinstall the air cleaner assembly and mudguard.



**WARRANTY REIMBURSEMENT INFORMATION**

**Expenses for the repairs described in this Recall Bulletin are to be recovered through the standard UD Warranty Claim Procedures as listed in the UD Warranty Policies & Procedures Manual, PART III and PART V. Please mail the "Authorization for Recall Notification Service" card to Nissan Diesel America, Inc. when the warranty claim is submitted. Use the following special information to prepare your warranty claims:**

WARRANTY CODE:	K149 *
REPAIR DESCRIPTION:	PERFORM SAFETY RECALL CAMPAIGN # 00V - 059
LABOR OP. NUMBER:	476A
LABOR TIME ALLOWED:	1.9 HRS

**\*NOTE: When the Warranty Code is entered, the NDANET2 Warranty Claim system will automatically enter the Warranty Trouble Code and the Failed Part Number into the claim.**