

RECALL BULLETIN A5050

DATE: APRIL 23, 2007
 MODEL YEAR: 2005 thru early production 2007
 ENGINE MODEL: J05 & J08
 CHASSIS MODEL: ALL
 BULLETIN NUMBER: A5050

FILE IN THE ENGINE SECTION OF THE TECHNICAL BULLETIN BINDER

VOLUNTARY EMISSION RECALL CAMPAIGN NUMBER A5050 TURBOCHARGER INSPECTION/REPLACEMENT

MODELS AFFECTED

Certain 2005, 2006 and early 2007 model year UD1300, UD1400, UD1800CS, UD1800HD, UD2000, UD2300, UD2600 and UD3300 model vehicles produced between January 1, 2004 and February 12, 2006 with less than 40,000 miles. The list below indicates the starting and ending production Vehicle Identification Number (VIN) for each model year. Each dealer will receive a computer listing of the affected vehicles in either their unsold/undelivered inventory or that have been retail delivered.

Note: Trucks over 40,000 miles not affected.

Year	Model	Starting Sequence	Thru	Ending Sequence	
2005	UD1300	JNAUX51J65A300101		JNAUX51J25A300113	
		JNAUX51J25A400101		JNAUX51J65A400229	
		JNAUX51J95A500101		JNAUX51J15A500190	
	UD1400	JNAUZ51J05A350101		JNAUZ51J85A350119	
		JNAUZ51J75A450101		JNAUZ51JX5A450240	
		JNAUZ51J55A550102		JNAUZ51J85A550322	
	UD1800CS	JNAMC50H45AG50002		JNAMC50H65AL50202	
		UD1800	JNAMA80H95AF50002		JNAMA80H65AF50216
		UD2000	JNAMB80H35AH50001		JNAMB80H95AN50379
		UD2300	JNALC80H35AN50001		JNALC80H25AK50191
		UD2600	JNAPA80H65AN50002		JNAPA80H85AS50610
		UD3300	JNAPC80L15AR50001		JNAPC80L55AR50048
2006		UD1300	JNAUX51J56A301001		JNAUX51J36A301028
	JNAUX51J16A401001			JNAUX51J06A401118	
	JNAUX51J86A501001			JNAUX51J56A501084	
	UD1400	JNAUZ51JX6A351001		JNAUZ51J86A351045	
		JNAUZ51J66A451001		JNAUZ51J76A451153	
		JNAUZ51J26A551001		JNAUZ51J16A551121	

MODELS AFFECTED (continued)

	UD1800CS	JNAMC50H46AD55001		JNAMC50H36AG55161
	UD1800	JNAMA80H86AF55001		JNAMA80H96AF55251
	UD2000	JNAMB80H46AH55001		JNAMB80H56AE55404
	UD2300	JNALC80H36AH55001		JNALC80H36AN55250
	UD2600	JNAPA80H56AN55001		JNAPA80H76AS55797
	UD3300	JNAPC80L26AR55001		JNAPC80L06AR55191
2007	UD1300	JNAUX51J87A302001		JNAUX51J17A302003
		JNAUX51J47A402001		JNAUX51J37A402006
		JNAUX51J07A502001		JNAUX51J57A502009
	UD1400	JNAUZ51J27A352001		JNAUZ51J87A352004
		JNAUZ51J97A452001		JNAUZ51J97A452015
		JNAUZ51J57A552001		JNAUZ51J27A552019
	UD1800CS	JNAMC50H57AD60001		JNAMC50H27AL60003
	UD1800	JNAMA80H27AE60001		JNAMA80H07AN60028
	UD2000	JNAMB80H57AH60001		JNAMB80H57AH60032
	UD2300	JNALC80H57AN60001		JNALC80H67AF60009
	UD2600	JNAPA80H67AE60001		JNAPA80H47AS60036
	UD3300	JNAPC80L37AR60001		JNAPC80L07AR60005

DESCRIPTION

The possibility exists that rust or corrosion may form between the turbocharger housing and unison ring. This may cause the unison ring to drag or stick, resulting in the illumination of the "Check Engine" lamp. This condition will also cause the ECU to go into De-Rate mode and the engine power will be limited.

Repairs to correct this condition consist of the following:

This Emissions Recall involves inspection of the turbocharger part number, vehicle mileage and possible turbocharger replacement.

Owners of the involved vehicles will be notified by mail and instructed to schedule an appointment with an authorized UD Truck Dealer to have this Emission Recall performed at no charge.

The identification number A5050 has been assigned to this Emission Recall. This number must appear on all communications and documentation of any nature that refer to the campaign described in this bulletin.

Emission recall kits are available immediately through the NDA Parts Operations Department. Dealers should base their parts order on the number of unsold/undelivered (new) vehicles and of retail delivered vehicles that appear on the computer listing.

ADMINISTRATION / DEALER RESPONSIBILITY

Immediately make the necessary inspection and repairs to the involved vehicles in unsold/undelivered dealer inventory. **It is a violation of federal law for a dealer to deliver a new motor vehicle covered by a recall notice until the recall remedy has been performed.** Each dealer will receive a computer listing of all involved vehicle identification numbers in unsold/undelivered (new) inventory or that have been retail delivered. With this computer listing, the dealer will also receive an "Authorization for Recall Notification Service" card for all unsold or undelivered (new) inventory vehicles. This postage pre-paid 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 that are received without an "Authorization for Recall Service" card, check the Vehicle Service Notification screen of the NDAINET Warranty Claim System menu to verify if this emission recall is required.

PARTS INFORMATION

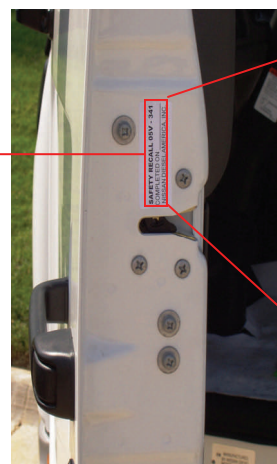
Qty.	Part Number	Description	Application
1	KSJ05A5050*	J05 Turbo Kit	2005-2007 MY UD1300 ~ UD1800CS
1	KSJ08A5050	J08 Turbo Kit	2005-2007 MY UD1800HD ~ UD3300

*The J05 kit consists of parts that may not be required for all models.

SERVICE INFORMATION

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:

- If the involved vehicle has a label on the inside of the driver's door as shown in Figure A, the recall has already been performed and no further action is required.
- If the involved vehicle does not have the label on the inside of the driver's door, verify through the Vehicle Service Notification screen of the NDAINET system that the recall is required. Complete the safety recall according to the following instructions.



EMISION RECALL #A5050
COMPLETED ON
NISSAN DIESEL AMERICA, INC.

Figure A

STEP 2 - REPLACEMENT OF THE TURBO CHARGER ASSEMBLY

- Park the vehicle on a flat surface, place the manual transmission in NEUTRAL (PARK for automatic transmission), set the parking brake and chock rear wheels.
- Turn the engine off and allow the vehicle to cool before servicing.
- Isolate the batteries by disconnecting both negative and positive battery cables.

Note: *The UD1300/1400 series will require the removal of the passenger side rear cab support and mud flap assembly prior to turbocharger removal. (Figure B)*

The 1800CS will require the removal of the air cleaner housing and mud flap assembly prior to turbo charger removal. (Figure C)

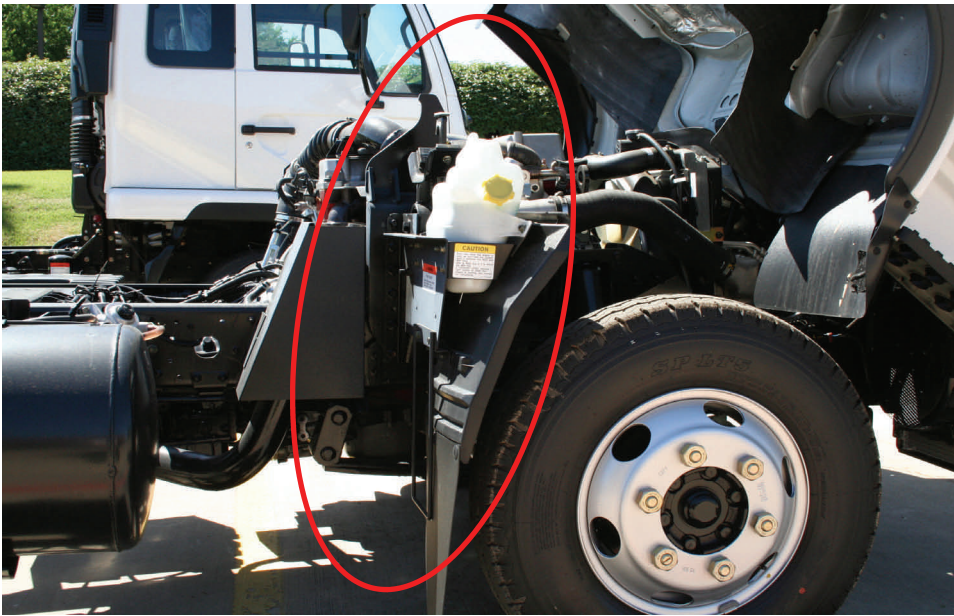


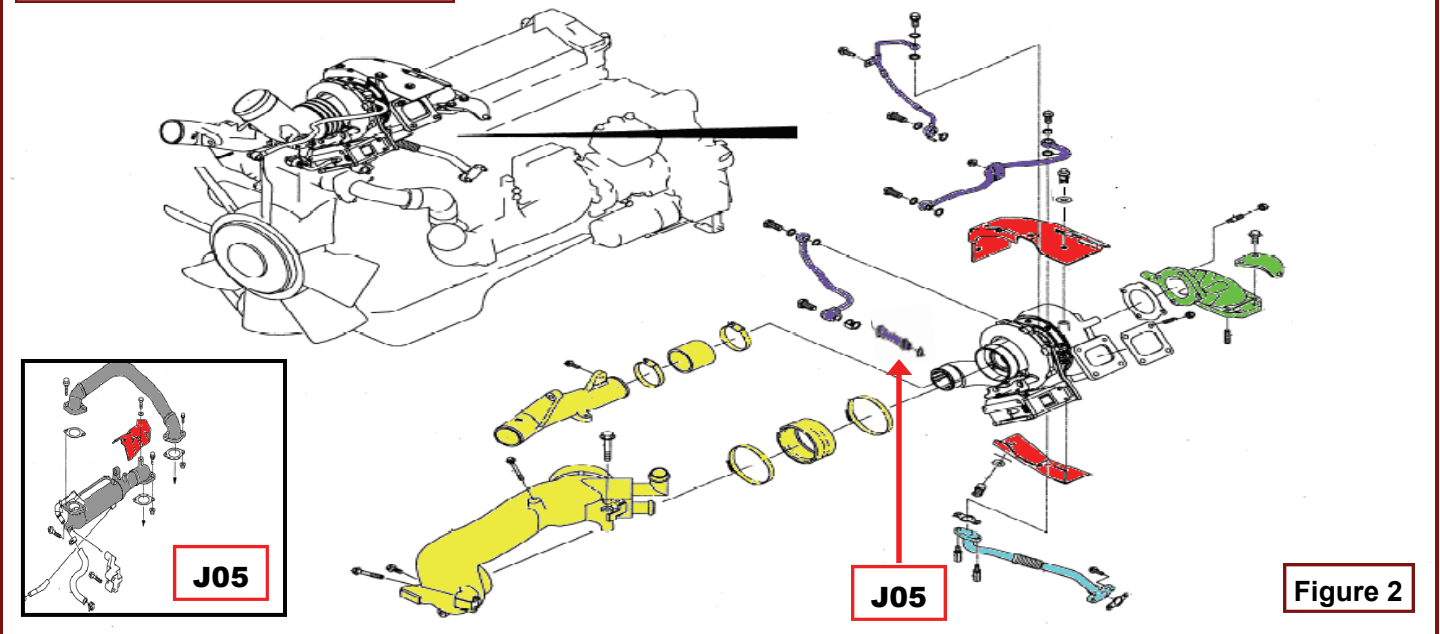
Figure B



Figure C

SERVICE PROCEDURE (continued)

Color chart for aiding turbo removal



1) **REMOVE INTAKE PIPING**- both air and boost pipe assemblies. (Yellow items Figure 2)

2) **DRAIN COOLANT**- use clean container to reserve the coolant for reuse. Connect hose to drain pipe of oil cooler and drain system. (See Figure 3)

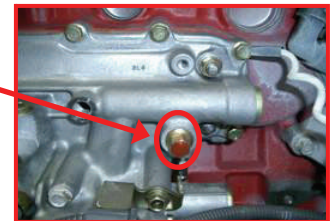


Figure 3

3) **REMOVE EXHAUST DOWNPIPE**- using a suitable stand, support exhaust at front of muffler. Loosen four nuts on down pipe flange in front of muffler then remove four nuts securing down pipe at turbo. At this time completely remove previously loosened nuts at muffler flange side and remove down pipe. (See Figure 4)

4) **REMOVE ELECTRICAL CONNECTORS & CLAMPS**- remove all electrical harness connectors and “stay” clamps on turbo charger.

5) **REMOVE HEAT SHIELDS**- starting with the upper shield(s) and finishing with the lower. (Red items Figure 2)

6) **REMOVE EXHAUST ELBOW**- loosen exhaust elbow fasteners, remove support bracket at the rear of the turbo then remove elbow. (Green items Figure 2 and Figure 5)

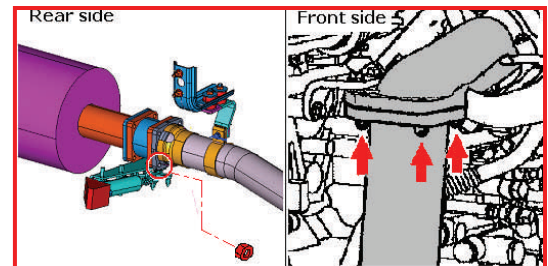


Figure 4

7) **REMOVE FLUID SUPPLY LINES**- remove oil feed line and both coolant lines. (Purple items Figure 2)

Note: For J05 engine remove the coolant line extension pipe from the oil cooler.



Figure 5

8) **REMOVE OIL DRAIN PIPE**- remove oil return pipe at bottom of turbo to engine block. (Blue item Figure 2)

SERVICE PROCEDURE (continued)

9) **REMOVE TURBOCHARGER**- remove the 4 nuts that secure the turbo to the exhaust manifold and remove turbo charger.

Note: For J05 engine, the EGR cooler pipe must be removed before access is available for the top 2 securing nuts. (See Grey items in Figure 2)

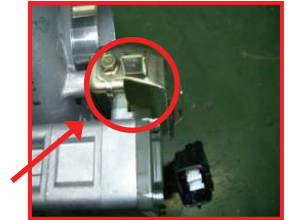


Figure 6

10) **REUSE HARNESS BRACKET**- remove harness bracket from old turbocharger and reuse on new one.
(See Figure 6)

11) **REINSTALL TURBO**- reverse order, using new hardware and gaskets.
Note: Use table below for torque spec reference.

12) **REFILL and BLEED COOLING SYSTEM** - bleed EGR Cooler for J05 models.
(Proceed to Step 3)

[Caution] Before reinstalling oil supply line, pour small amount of fresh engine oil into turbocharger oiling hole orifice and turn the turbine wheel by hand for internal lubrication. Keep foreign material from entering new turbo and clean all removed parts well before reinstall.

Item	Torque specs. lb-ft {N·m}
Harness bracket for turbocharger	21 {28}
Coolant drain plug	22 {30}
4 nuts holding turbo to manifold	51 {69}
Oil return pipe bolts	21 {28}
Water pipe joint bolts	18 {24}
Exhaust elbow at rear of turbo	51 {69}
Heat shields	19 {26}
Small hardware for securing intake pipes	21 {28}
Larger hardware for securing intake pipes	41 {56}
Hose band clamps	5 {7}
“P” clip style bracket bolts	29 {40}
EGR cooler sub assembly	45 {61}
Exhaust pipe hardware	51 {69}
Oil feed line joint bolts	18 {24}

SERVICE PROCEDURE (continued)

STEP 3

Reconnect battery cables, start the vehicle, and check for fluid/exhaust leaks. Bring vehicle to operating temperature, shut engine down to cool, recheck coolant level. Road test for proper operation.

STEP 4

Record the completion date on the Emission Recall A5050 sticker as shown in Figure D and apply it to the to the driver's side door as shown in Figure A on page 3.



Figure D

WARRANTY INFORMATION

Expenses for the repairs described in this Emission Recall are to be recovered through the standard UD Warranty Claim procedures listed in the UD Warranty Policies & Procedures Manual, Part V.

Use the following information to prepare your claims:

WARRANTY CODE

K651 INSPECT/REPLACE TURBOCHARGER

TROUBLE CODE

K6510335

FAILED PART NUMBER/NAME

J05	UD1300~UD1800CS	14201-Z5004
J08	UD1800HD~UD3300	14201-Z5003

REPAIR DESCRIPTION

PERFORM EMISSION RECALL A5050

LABOR OPERATION

195A

LABOR TIME ALLOWED

(Use only one)

5.0 HRS (REPLACE **J05** TURBOCHARGER ASSEMBLY/ includes inspection, removal and reinstallation of front exhaust pipe assembly)

4.5 HRS (REPLACE **J08** TURBOCHARGER ASSEMBLY/ includes inspection, removal and reinstallation of front exhaust pipe assembly)

0.3 HRS (INSPECTION ONLY)

PARTS DISPOSITION

Destroy and dispose of all replaced parts in a method approved by state and local laws.