

TQCN DOC#: E7QA236421		RTS#: 17294-1	RTS Disposition: Forward	TMS QA Dept: QA-Powertrain	Assigned PE: JARBOEM		Distribution Date: 1/2/03
Location: TMS-LA	Source: FTS	Primary Model: Sequoia	Model Year: 2003	Production Date: 11-2002	Mileage: 41	VIN: (CONFIRM 17 DIGITS) 5TDTZ34A93S [REDACTED]	
Condition Title: MIL "ON" DTC P0717 - Input Speed Sensor Circuit Malfunction					Author: ERIC PATTISON		Dealer Code: 04183

**Do not type in shaded fields - Input from TQCN attributes:**

Problem Area: <input checked="" type="checkbox"/> Base Vehicle   <input type="checkbox"/> PPO/DIO		Problem Type: <input checked="" type="checkbox"/> Manufacturing   <input type="checkbox"/> Design   <input type="checkbox"/> Durability   <input type="checkbox"/> New Model					
Dealer Name: Family Toyota		Repair Date: 12/20/02	Ref#:	Optional Approval:			

**Condition Description:**

MIL on code P0717.



**Probable Cause:**

- Customer complaint of check engine light on at all times.
- F.T.S. inspection found MIL coming on at all times after 5-10 minutes of driving.
- Code P0717 (Input speed sensor circuit no signal) was recorded during driving.
- Speed sensor was found to be unplugged.

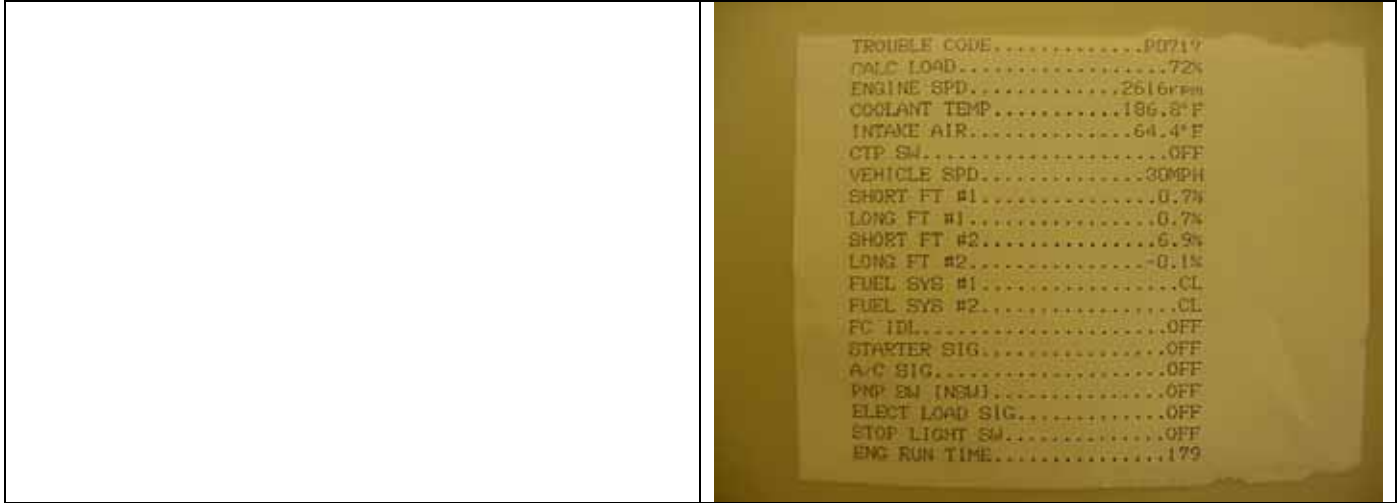
Failed Part # 1: N/A	Failed Part # 2:	Failed Part # 3:	Disposition of Failed Parts: No part available
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**Remedy:**

Plugged in connector, cleared codes.

	
<p>View of lower left side of transmission. Arrow is pointing to connector. Sensor is beneath connector. This is prior to repair.</p>	<p>RAM Data is pictured above, freeze frame data is below.</p>

TQCN DOC#: E7QA236421		RTS#: 17294-1	RTS Disposition: Forward	TMS QA Dept: QA-Powertrain	Assigned PE: JARBOEM		Distribution Date: 1/2/03
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Condition Title: MIL "ON" DTC P0717 - Input Speed Sensor Circuit Malfunction					Author: ERIC PATTISON		Dealer Code: 04183



### Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
 If the *Final Destination* field below states “scrap”, properly dispose of the part.

**Final Destination:** N/A

Note: If EWR contains 2 or more VIN's, create a table in the report containing VIN, production date, and mileage

	Failed Part # 1:	Part Description	Qty.	Unit Cost
1	N/A		1	\$ 0 .00
	Comments:			
2			1	\$ 0 .00
	Comments:			
3			1	\$ 0 .00
	Comments:			
4			1	\$ .00
	Comments:			
5			1	\$ .00
	Comments:			
6			1	\$ .00
	Comments:			
7				

<b>TQCN DOC#:</b> E7QA236421		<b>RTS#:</b> 17294-1	<b>RTS Disposition:</b> Forward	<b>TMS QA Dept:</b> QA-Powertrain	<b>Assigned PE:</b> JARBOEM		<b>Distribution Date:</b> 1/2/03
<b>Location:</b> TMS-LA	<b>Source:</b> FTS	<b>Primary Model:</b> Sequoia	<b>Model Year:</b> 2003	<b>Production Date:</b> 11-2002	<b>Mileage:</b> 41	<b>VIN: (CONFIRM 17 DIGITS)</b> 5TDTZ34A93S [REDACTED]	
<b>Condition Title:</b> MIL "ON" DTC P0717 - Input Speed Sensor Circuit Malfunction					<b>Author:</b> ERIC PATTISON		<b>Dealer Code:</b> 04183

				1	\$	.00
	Comments:					
<b>8</b>	<b>Failed Part # 8:</b>	<b>Part Description</b>		<b>Qty.</b>		<b>Unit Cost</b>
				1	\$	.00
	Comments:					

TQCN DOC#: EVQA234521A		RTS#: 17194-1	RTS Disposition: Forward	TMS QA Dept: QA-Chassis	Assigned PE: MOSELEYC		Distribution Date: 12/13/02
Location: TMS	Source: FPE	Primary Model: Sequoia	Model Year: 2003	Production Date: 10-2002	Mileage: 10	VIN: (CONFIRM 17 CHARACTERS) 5TDZT34A23S [REDACTED]	
Condition Title: ABS Wheel Speed Sensor					Author: Jim Leininger		Dealer Code: 04328

**Do not type in shaded fields - Input data from Web page or RDM:**

Problem Area: <input checked="" type="checkbox"/> Base Vehicle   <input type="checkbox"/> PPO/DIO		Problem Type: <input type="checkbox"/> Manufacturing   <input type="checkbox"/> Design   <input type="checkbox"/> Durability   <input checked="" type="checkbox"/> New Model			
Dealer Name: Joe MacPherson Toyota		Repair Date: 11/30/02	Ref#:	Optional Approval:	

**Condition Description:**

ABS Warning Light "ON", code C0215 in memory (Left Rear Wheel Sensor Signal).

**Probable Cause:**

Wire harness for left rear speed sensor crushed on top of axle housing (see photo). Condition may have occurred during manufacture or shipping.

Failed Part # 1: 895460C010	Failed Part # 2:	Failed Part # 3:	Disposition of Failed Parts: Have part / will ship	Parts Shipping Destination: TMMNA
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**Remedy:**

Dealer replaced sensor assembly.



Wire harness damaged about 3 inches from sensor.

<b>TQCN DOC#:</b> EVQA234521A		<b>RTS#:</b> 17194-1	<b>RTS Disposition:</b> Forward	<b>TMS QA Dept:</b> QA-Chassis	<b>Assigned PE:</b> MOSELEYC		<b>Distribution Date:</b> 12/13/02
<b>Location:</b> TMS	<b>Source:</b> FPE	<b>Primary Model:</b> Sequoia	<b>Model Year:</b> 2003	<b>Production Date:</b> 10-2002	<b>Mileage:</b> 10	<b>VIN: (CONFIRM 17 CHARACTERS)</b> 5TDZT34A23S [REDACTED]	
<b>Condition Title:</b> ABS Wheel Speed Sensor					<b>Author:</b> Jim Leininger		<b>Dealer Code:</b> 04328

### Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
 If the *Final Destination* field below states "scrap", properly dispose of the part.

**Final Destination:** TMMNA

Note: If EWR contains 2 or more VIN's, create a table in the report containing VIN, production date, and mileage

	Failed Part # 1:	Part Description	Qty.	Unit Cost
1	895460C010	SENSOR, SPEED, RR LH	1	\$ 26 .00
	Comments:			
2			1	\$ 0 .00
	Comments:			
3			1	\$ 0 .00
	Comments:			
4			1	\$ .00
	Comments:			
5			1	\$ .00
	Comments:			
6			1	\$ .00
	Comments:			
7			1	\$ .00
	Comments:			
8			1	\$ .00
	Comments:			

<b>TQCN DOC#:</b> E5WA235721		<b>RTS#:</b> 16729-1	<b>RTS Disposition:</b> Forward	<b>TMS QA Dept:</b> QA-Chassis	<b>Assigned PE:</b> MOSELEYC		<b>Distribution Date:</b> 1/6/03
<b>Location:</b> TMS-SET	<b>Source:</b> FTS	<b>Primary Model:</b> Sequoia	<b>Model Year:</b> 2003	<b>Production Date:</b> 08-2002	<b>Mileage:</b> 4014	<b>VIN: (CONFIRM 17 CHARACTERS)</b> 5TDZT34A53S [REDACTED]	
<b>Condition Title:</b> VSC Steering Angle Sensor					<b>Author:</b> MIKE EDWARDS		<b>Dealer Code:</b> 09178

**Do not type in shaded fields - Input data from Web page or RDM:**

<b>Problem Area:</b> <input checked="" type="checkbox"/> Base Vehicle   <input type="checkbox"/> PPO/DIO		<b>Problem Type:</b> <input type="checkbox"/> Manufacturing   <input type="checkbox"/> Design   <input type="checkbox"/> Durability   <input checked="" type="checkbox"/> New Model					
<b>Dealer Name:</b> Deland Toyota		<b>Repair Date:</b> 12-23-02	<b>Ref#:</b>	<b>Optional Approval:</b>			

**Condition Description:**

Customer came in with the VSC light on. Code C1231 was stored.

**Probable Cause:**

Cause unknown.

<b>Failed Part # 1:</b> N/A	<b>Failed Part # 2:</b>	<b>Failed Part # 3:</b>	<b>Disposition of Failed Parts:</b> No part available	<b>Parts Shipping Destination:</b> N/A
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**Remedy:**

Cleared the code using Scan Tool. Disconnected the battery for 5 minutes. This FTS is aware of 10 other similar cases on customer vehicles. In every case, disconnecting the battery has corrected. To date, none of these have come back a second time.

<p>No picture available, or needed</p>	<p><b>Addition VIN's will be collected and reported as they occur.</b></p>
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<b>TQCN DOC#:</b> E5WA235721		<b>RTS#:</b> 16729-1	<b>RTS Disposition:</b> Forward	<b>TMS QA Dept:</b> QA-Chassis	<b>Assigned PE:</b> MOSELEYC		<b>Distribution Date:</b> 1/6/03
<b>Location:</b> TMS-SET	<b>Source:</b> FTS	<b>Primary Model:</b> Sequoia	<b>Model Year:</b> 2003	<b>Production Date:</b> 08-2002	<b>Mileage:</b> 4014	<b>VIN: (CONFIRM 17 CHARACTERS)</b> 5TDZT34A53S [REDACTED]	
<b>Condition Title:</b> VSC Steering Angle Sensor					<b>Author:</b> MIKE EDWARDS		<b>Dealer Code:</b> 09178

## Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
 If the *Final Destination* field below states "scrap", properly dispose of the part.

**Final Destination:** N/A

Note: If EWR contains 2 or more VIN's, create a table in the report containing VIN, production date, and mileage

	Failed Part # 1:	Part Description	Qty.	Unit Cost
1	N/A		1	\$ 0 .00
	Comments:			
2			1	\$ 0 .00
	Comments:			
3			1	\$ 0 .00
	Comments:			
4			1	\$ .00
	Comments:			
5			1	\$ .00
	Comments:			
6			1	\$ .00
	Comments:			
7			1	\$ .00
	Comments:			
8			1	\$ .00
	Comments:			

TQCN DOC#: E70A201331		RTS#: 15570-1	RTS Disposition: Forward	TMS QA Dept: QA-Chassis	Assigned PE: MOSELEYC	Distribution Date: 1/14/03
Location: TMS-NY	Source: FTS	Primary Model: Sequoia	Model Year: 2003	Production Date: 10-2002	Mileage: 181	VIN: (CONFIRM 17 CHARACTERS) 5TDBT44A83S [REDACTED]
Condition Title: VSC Yaw Rate Sensor					Author: TOM SENNECA	Dealer Code: 29049

**Do not type in shaded fields - Input data from Web page or RDM:**

Problem Area: <input checked="" type="checkbox"/> Base Vehicle   <input type="checkbox"/> PPO/DIO	Problem Type: <input type="checkbox"/> Manufacturing   <input type="checkbox"/> Design   <input type="checkbox"/> Durability   <input checked="" type="checkbox"/> New Model		
Dealer Name: Caldwell Toyota	Repair Date: 1/6/03	Ref#:	Optional Approval:

**Condition Description:**

Customer states when vehicle is driven above 25mph the slip indicator flashes, the VSC beeper sounds and the VSC light comes on. FTS inspected DTC C1234 Yaw Rate Sensor Malfunction. Yaw rate sensor reads -7 degrees when vehicle is straight and on level ground. Could not perform zero point calibration as per repair manual or TSB BR001-02. When sensor was removed and rotated yaw rate values on scan tool change but return back to -7 degrees when sensor is level.

**Probable Cause:**

Probable Cause: Yaw Rate Sensor.  
Swap yaw rate sensor from dealer stock vehicle. Scan tool value for new sensor is zero with vehicle straight and on level ground. Road test vehicle problem no longer evident. Install sensor in question into dealer stock unit. Dealer stock vehicle exhibits same condition.

Failed Part # 1: 89180C020	Failed Part # 2:	Failed Part # 3:	Disposition of Failed Parts: Have part / will ship	Parts Shipping Destination: TMMNA
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**Remedy:**

Replace Yaw Rate Sensor.

	
Yaw Rate Sensor	89180-0C020 SNS ASSY. YAW RATE 25.0980-0414.4                      243296 SC-00C-220-120                      5MD2J23K84



<b>TQCN DOC#:</b> E70A201331		<b>RTS#:</b> 15570-1	<b>RTS Disposition:</b> Forward	<b>TMS QA Dept:</b> QA-Chassis	<b>Assigned PE:</b> MOSELEYC		<b>Distribution Date:</b> 1/14/03
<b>Location:</b> TMS-NY	<b>Source:</b> FTS	<b>Primary Model:</b> Sequoia	<b>Model Year:</b> 2003	<b>Production Date:</b> 10-2002	<b>Mileage:</b> 181	<b>VIN: (CONFIRM 17 CHARACTERS)</b> 5TDBT44A83S [REDACTED]	
<b>Condition Title:</b> VSC Yaw Rate Sensor					<b>Author:</b> TOM SENNECA		<b>Dealer Code:</b> 29049

### Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
 If the *Final Destination* field below states "scrap", properly dispose of the part.

**Final Destination:** TMMNA

Note: If EWR contains 2 or more VIN's, create a table in the report containing VIN, production date, and mileage

	Failed Part # 1:	Part Description	Qty.	Unit Cost
1	891800C020	SENSOR ASSY, YAWRATE	1	\$ 50 .00
	Comments:			
2			1	\$ 0 .00
	Comments:			
3			1	\$ 0 .00
	Comments:			
4			1	\$ .00
	Comments:			
5			1	\$ .00
	Comments:			
6			1	\$ .00
	Comments:			
7			1	\$ .00
	Comments:			
8			1	\$ .00
	Comments:			

TQCN DOC#: EQPA236121		RTS#: 12044-1	RTS Disposition: Forward	TMS QA Dept: QA-Chassis	Assigned PE: MOSELEYC		Distribution Date: 1/29/03
Location: TMS-GST	Source: TLS	Primary Model: Sequoia	Model Year: 2003	Production Date: 12-2002	Mileage: 000005	VIN: (CONFIRM 17 CHARACTERS) 5TDZT34A93S [REDACTED]	
Condition Title: VSC/TRAC Light ON					TQCN Author: GILBERTO LOPEZ		Dealer Code:

**Do not type in shaded fields - Input data from Web page or RDM:**

Problem Area: <input checked="" type="checkbox"/> Base Vehicle   <input type="checkbox"/> PPO/DIO		Problem Type: <input checked="" type="checkbox"/> Manufacturing   <input type="checkbox"/> Design   <input type="checkbox"/> Durability   <input type="checkbox"/> New Model	
VDC Code: V4000	Phone Number: (713) 580-3839	Optional Approval:	Repair Date: 12/27/02

**Condition Description:**

We received a Sequoia with the VSC / Trac light staying on.

Failed Part # 1: N/A	Failed Part # 2:	Failed Part # 3:	Disposition of Failed Parts: No part available	Parts Shipping Destination: N/A
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**Remedy:**

Disconnecting the battery for 2 minutes, then hooking the battery back up and driving around.



<b>TQCN DOC#:</b> EQPA236121		<b>RTS#:</b> 12044-1	<b>RTS Disposition:</b> Forward	<b>TMS QA Dept:</b> QA-Chassis	<b>Assigned PE:</b> MOSELEYC		<b>Distribution Date:</b> 1/29/03
<b>Location:</b> TMS-GST	<b>Source:</b> TLS	<b>Primary Model:</b> Sequoia	<b>Model Year:</b> 2003	<b>Production Date:</b> 12-2002	<b>Mileage:</b> 000005	<b>VIN: (CONFIRM 17 CHARACTERS)</b> 5TDZT34A93S [REDACTED]	
<b>Condition Title:</b> VSC/TRAC Light ON					<b>TQCN Author:</b> GILBERTO LOPEZ		<b>Dealer Code:</b>

## Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
 If the *Final Destination* field below states "scrap", properly dispose of the part.

**Final Destination:** N/A

Note: If EWR contains 2 or more VIN's, create a table in the report containing VIN, production date, and mileage

	Failed Part # 1:	Part Description	Qty.	Unit Cost
1	N/A		1	\$ 0 .00
	Comments:			
2			1	\$ 0 .00
	Comments:			
3			1	\$ 0 .00
	Comments:			
4			1	\$ .00
	Comments:			
5			1	\$ .00
	Comments:			
6			1	\$ .00
	Comments:			
7			1	\$ .00
	Comments:			
8			1	\$ .00
	Comments:			

TQCN DOC#: E9IA204931		RTS#: 17742-1	RTS Disposition: Forward	TMS QA Dept: QA-Chassis	Assigned PE: MOSELEYC	Distribution Date: 2/18/03
Location: TCI	Source: IDS	Primary Model: Sequoia	Model Year: 2003	Production Date:	Kilometers: 6318	VIN: (CONFIRM 17 CHARACTERS) 5TDBT44A13S [REDACTED]
Condition Title: VSC/TRAC Light On DTC C1203				Author: DANNY NG	Dealer Code:	

**Do not type in shaded fields - Input data from Web page or RDM:**

Problem Area: <input checked="" type="checkbox"/> Base Vehicle   <input type="checkbox"/> PPO/DIO	Problem Type: <input type="checkbox"/> Manufacturing   <input checked="" type="checkbox"/> Design   <input type="checkbox"/> Durability   <input type="checkbox"/> New Model		
Dealer Name: Henger Toyota	Repair Date: Feb. 6/2003	Ref#:	Optional Approval:

**Condition Description:**

- After customer driving 10 to 15 minutes, noticed Engine MIL light "ON"
- "VSC OFF" and "TRAC/VSC" light comes "on" 2 seconds after Engine MIL light
- TRAC and VSC becomes inoperative
- Outside temperature between -10°C to -15°C (14°F to 5°F)
- DTC C1203 (ECM Communication/ circuit malfunction) stored
- TCI investigating together with TMC-CRO

**Probable Cause:**

- Unknown

Failed Part # 1: 891800C020	Failed Part # 2: 8924534010	Failed Part # 3: 895410C060	Disposition of Failed Parts: Have part / will ship	Parts Shipping Destination: TMMNA
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**Remedy:**

- Unknown (Replaced VSC ECU, Steering Angle Sensor, Yaw Rate Sensor and condition returned)

**VIN- 5TDBT44A13S [REDACTED]**

**Dealer Tech. Comments:**

- Battery wasn't disconnected before condition occurred
- VSC ECU was not disconnected before condition occurred
- No repairs/accidents to steering system before condition occurred
- Codes not cleared and parts sent to TCI

TDI SNAPSHOT: VIN- 5TDBT44A13S [REDACTED]

```

TROUBLE CODE.....C1203
STOP LIGHT SW.....ON
VSC/TRC OFF SW.....OFF
SYSTEM.....NO SYS
# IG ON.....0
VEHICLE SPD.....7km/h
STEERING ANG.....0deg
YAW RATE.....-1deg/s
MAS CYL PRESS.....0.60V
PEDAL STROKE.....2.16V
MAS PRESS GRADE.....1MPa/s
STROKE GRADE.....0mm/s
G (RIGHT&LEFT).....0.02G
G (BACK&FORTH).....-0.11G
SPD GRADE.....-0.04G
    
```

**Additional Vehicles (VIN- 5TDBT48A23S [REDACTED])**

**Dealer Tech. Comments:**

- Battery wasn't disconnected before condition
- Condition occurred at -20°C (-4°F)
- VSC ECU was not disconnected before condition
- No repairs/accidents to steering system before condition occurred
- Codes not cleared and parts sent to TCI
- Vehicle is OK after VSC ECU, SAS, Yaw sensor replaced

TDI SNAPSHOT: VIN- 5TDBT48A23S [REDACTED]

```

TROUBLE CODE.....C1203
STOP LIGHT SW.....OFF
VSC/TRC OFF SW.....OFF
SYSTEM.....NO SYS
# IG ON.....0
VEHICLE SPD.....48km/h
STEERING ANG.....0deg
YAW RATE.....0deg/s
MAS CYL PRESS.....0.49V
PEDAL STROKE.....1.92V
MAS PRESS GRADE.....0MPa/s
STROKE GRADE.....0mm/s
    
```

**Additional Vehicles**

VIN	Repair	Odom (km)	Area
5TDBT48A83S [REDACTED]	1/20/2003	10	Kenora, Ont.
5TDBT48A33S [REDACTED]	1/17/2003	8626	Granby, Que
5TDBT48AX2S [REDACTED]	9/9/2002	3866	Toronto, Ont

<b>TQCN DOC#:</b> E9IA204931		<b>RTS#:</b> 17742-1	<b>RTS Disposition:</b> Forward	<b>TMS QA Dept:</b> QA-Chassis	<b>Assigned PE:</b> MOSELEYC		<b>Distribution Date:</b> 2/18/03
<b>Location:</b> TCI	<b>Source:</b> IDS	<b>Primary Model:</b> Sequoia	<b>Model Year:</b> 2003	<b>Production Date:</b>	<b>Kilometers:</b> 6318	<b>VIN: (CONFIRM 17 CHARACTERS)</b> 5TDBT44A13S [REDACTED]	
<b>Condition Title:</b> VSC/TRAC Light On DTC C1203					<b>Author:</b> DANNY NG		<b>Dealer Code:</b>

### Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
 If the *Final Destination* field below states "scrap", properly dispose of the part.

**Final Destination:** TMMNA

Note: If EWR contains 2 or more VIN's, create a table in the report containing VIN, production date, and mileage

	Failed Part # 1:	Part Description	Qty.	Unit Cost
1	891800C020	SENSOR ASSY, YAWRATE	1	\$ 50 .00
	Comments:			
2	8924534010	SENSOR, STEERING	1	\$ 48 .00
	Comments:			
3	895410C060	COMPUTER, SKID CONTROL	1	\$ 266 .00
	Comments:			
4			1	\$ .00
	Comments:			
5			1	\$ .00
	Comments:			
6			1	\$ .00
	Comments:			
7			1	\$ .00
	Comments:			
8			1	\$ .00
	Comments:			

DISTRIBUTOR'S NAME TMS/USA	COUNTRY USA/LA	RTS# 17742-1	APPROVAL DATE 2/24/03	REFERENCE	TQCN REPORT# FCKA205231	Page 1 of 5
VIN 5TDZT34A03S162294	ENGINE#	MILES	PRODUCTION DATE	PURCHASE DATE	REPAIR DATE	

**MODEL:** Sequoia  
**SUBJECT:** DTC C1203 Communication Circuit Malfunction

**INTRODUCTION:**

The purpose of this report is to provide market information on a new issue with 2003 MY Sequoias. Customers experience the VSC/TRAC light "on" while driving. After the key is cycled, the light does not remain on.

**CONDITION:**

Technicians recover Diagnostic Trouble Code C1203 – ECM communication circuit malfunction, indicating that "data cannot be transmitted and/or received to/from the ECM for a fixed time".

- These vehicles do not have any other codes (engine or chassis related).
- The brake fluid level is within the correct range.

**CAUSE:**

The exact root cause is unknown. The condition initially appeared to be present only in areas experiencing temperatures below 20° F. But recently, TMS has received an increasing number of claims from areas of all temperature ranges throughout the United States.

The possible trouble areas outlined in the repair manual all check to be within specification:

- Brake fluid level
- Brake fluid level warning switch circuit
- Circuits for TRC+ or TRC-, ENG+ or ENG- , SS1 or SS2.
- ECM or Translate ECU

**REMEDY:**

The current repair method is: confirm that no other DTC are present, confirm that all connectors are securely fastened, and check all relevant circuits according to the repair manual procedures. Then clear the code and return the vehicle to the customer.

According to warranty data, some repairs include replacement of the translate ECU or the Skid Control ECU.

**REQUESTS:**

TMS requests

- a suggested field fix method as soon as possible
- a production countermeasure and VIN break

WRITER <b>CRAIG MOSELEY</b>	SUPERVISOR/DEPT. MANAGER <i>Mark Rhymer</i>	JAPAN STAFF <b>MOTOYUKI YANAI</b>
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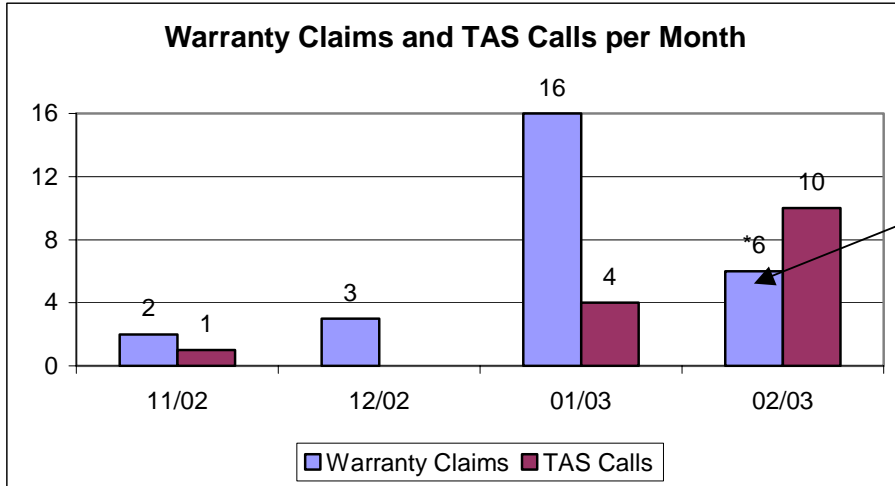
03MYセコイヤのVSC/TRACランプ点灯不具合(ダイアグC1203)につきまして、現在の市場状況をお知らせします。当初寒い地域での発生と思われていましたが、地域性は特に無くアメリカ全土で発生しております。明確な修理情報も得られておらず、27件中20件はダイアグを消去してお客様に返却しております。(7件はECUを交換) 至急F/Fix方法を提供していただくと共に号口対策を実施いただき情報を提供くださるようお願いいたします。

2/24/03 TMS PQ&SS K.Okada

DISTRIBUTOR'S NAME TMS/USA	COUNTRY USA/LA	RTS NO. 17742-1	APPROVAL DATE	TQC# FCKA205231	Page 2 of 5
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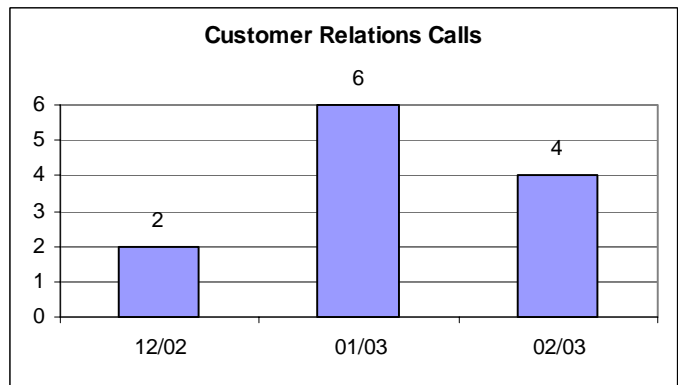
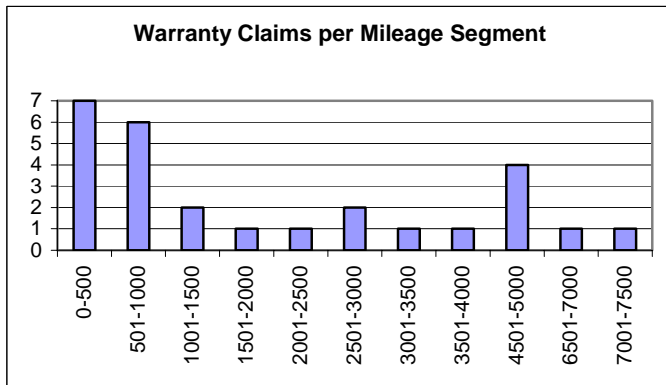
**MARKET SUMMARY:**

TMS has received an increasing number of warranty claims and TAS calls for this issue during January and February 2003.



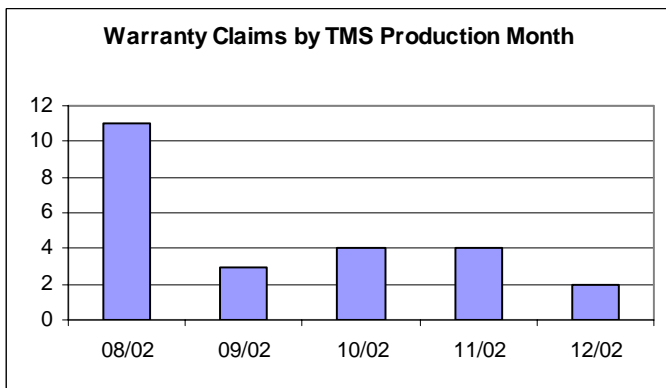
\* February 2003 claims are for Repair Dates through 02/14/03.

According to warranty data, of the 27 claims for this issue, 7 of them resulted in the replacement of an ECU (6 translate ECUs and 1 Skid Control Computer)



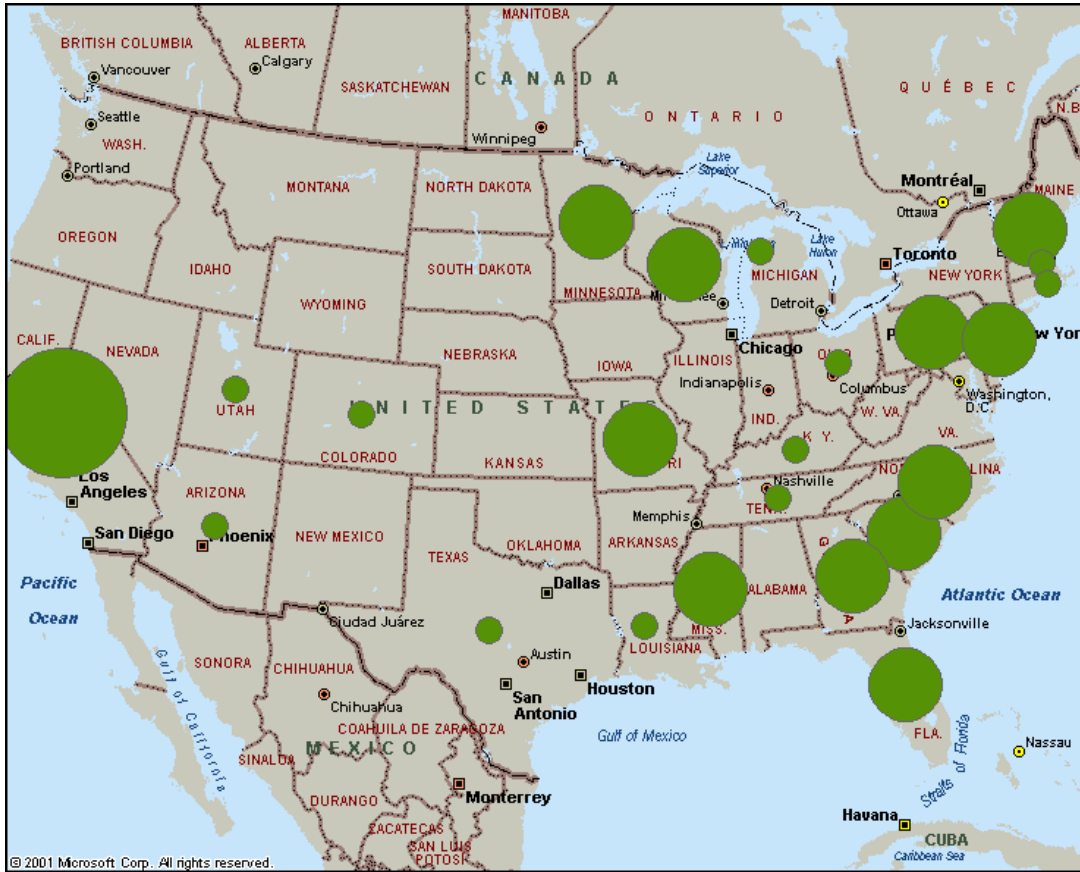
- It appears that this condition is not restricted to any specific mileage segment, but is more likely to occur within the first 1000 miles of use.

- TMS has received 12 calls to the Customer Relations Department because the customer has had their 03 Sequoia serviced for VSC/TRAC light "on" and the repair involved adding brake fluid or checking electrical circuits on the vehicle.

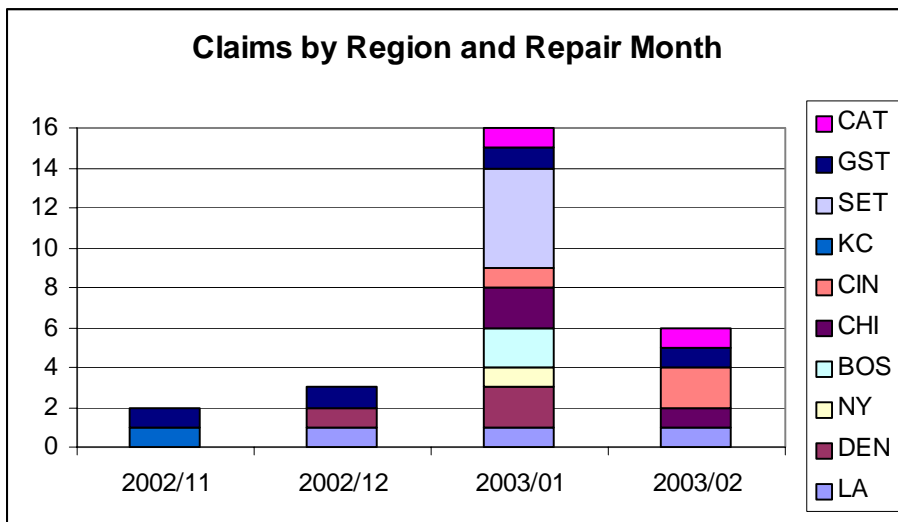


DISTRIBUTOR'S NAME TMS/USA	COUNTRY USA/LA	RTS NO. 17742-1	APPROVAL DATE	TQCN# FCKA205231	Page 3 of 5
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- Combined warranty claims and TAS calls per state.



State	Total Vehicles
CA	6
FL	2
GA	2
MN	2
MO	2
MS	2
NC	2
NH	2
NJ	2
PA	2
SC	2
WI	2
AZ	1
CO	1
KY	1
LA	1
MA	1
OH	1
TN	1
TX	1
UT	1
MI	1
RI	1



- While cold weather may be a contributing factor to this issue, the warranty data indicates that this condition is occurring in all areas of the country at an increasing rate.



TQCN DOC#: EVOA206231		RTS#: 17852-1	RTS Disposition: Forward	TMS QA Dept: QA-Chassis	Assigned PE: MOSELEYC		Distribution Date: 3/3/03
Location: TMS	Source: FPE	Primary Model: Sequoia	Model Year: 2003	Production Date:	Mileage: 881	VIN: (CONFIRM 17 CHARACTERS) 5TDZT38A33S [REDACTED]	
Condition Title: VSC Communication Malfunction					Author: KEVIN PILOTTE		Dealer Code:

**Do not type in shaded fields - Input data from Web page or RDM:**

Problem Area: <input checked="" type="checkbox"/> Base Vehicle   <input type="checkbox"/> PPO/DIO		Problem Type: <input checked="" type="checkbox"/> Manufacturing   <input type="checkbox"/> Design   <input type="checkbox"/> Durability   <input type="checkbox"/> New Model			
Dealer Name: Rice Toyota		Repair Date: 3/3/03	Ref#:	Optional Approval:	

**Condition Description:**

Customer complains of VSC/Skid control light on. DTC C1203. Occurs intermittently. Circuit passed all tests per RM procedures. Tech replaced Cowl Wire Harness, Engine Room Main Harness, and Engine ECU. Has also exchanged Translate ECU and ABS ECU with known good unit.


**Probable Cause:**

Cause is unknown at this time. All repair attempts resulted in DTC resetting in 24 to 48 hours. Condition has occurred when vehicle was cold, as well as hot.

Failed Part # 1: N/A	Failed Part # 2:	Failed Part # 3:	Disposition of Failed Parts: No part available	Parts Shipping Destination: N/A
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**Remedy:**

Dealer has ordered Engine Wire Harness (p/n/ 82121-34351). Tech will replace this third harness and advise if condition is corrected.

 <p>sequoia 1203.evn</p>	<p>Copy of Freeze Frame data on Tech View file</p>

<b>TQCN DOC#:</b> EVOA206231		<b>RTS#:</b> 17852-1	<b>RTS Disposition:</b> Forward	<b>TMS QA Dept:</b> QA-Chassis	<b>Assigned PE:</b> MOSELEYC		<b>Distribution Date:</b> 3/3/03
<b>Location:</b> TMS	<b>Source:</b> FPE	<b>Primary Model:</b> Sequoia	<b>Model Year:</b> 2003	<b>Production Date:</b>	<b>Mileage:</b> 881	<b>VIN: (CONFIRM 17 CHARACTERS)</b> 5TDZT38A33S [REDACTED]	
<b>Condition Title:</b> VSC Communication Malfunction					<b>Author:</b> KEVIN PILOTTE		<b>Dealer Code:</b>

## Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
 If the *Final Destination* field below states "scrap", properly dispose of the part.

**Final Destination:** N/A

Note: If EWR contains 2 or more VIN's, create a table in the report containing VIN, production date, and mileage

	Failed Part # 1:	Part Description	Qty.	Unit Cost
1	N/A		1	\$ 0 .00
	Comments:			
2			1	\$ 0 .00
	Comments:			
3			1	\$ 0 .00
	Comments:			
4			1	\$ .00
	Comments:			
5			1	\$ .00
	Comments:			
6			1	\$ .00
	Comments:			
7			1	\$ .00
	Comments:			
8			1	\$ .00
	Comments:			

TQCN DOC# FTR-9IA211431		Affiliate TCI	Dept. QA-Chassis	Source IDS	Location TMS	Ref 18497-1	Date 4/29/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 09-2002	Odometer 355 km	VIN (confirm 17 characters): 5TDBT48A73S [REDACTED]		
VSC Lights ON							

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 4/16/03	Optional Ref.	Optional Approval
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Condition Description

-VSC lights came on when brake pedal depressed

Diagnostic Steps:

- Leave vehicle to soak overnight (overnight temp. = -30°C or -22°F)
- After cold soak, E/G start
- Depress Brake Pedal and “VSC OFF”/“VSC/TRAC” Light came “on” (DTC C1363)
- Drive vehicle and no function of TRAC and VSC while warning lights “on”
- Shutdown the Engine, then restart
- No warning light came on and VSC & TRAC operated normally
- CRO team performed “go and see” and requested recovery of Brake Booster
- Parts to be shipped to TMS-CQEC

Probable Cause

-Brake booster pedal force switch malfunction

Part # 1: 446100C040	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

-Replace brake booster and recover for CQEC investigation



-Depress brake pedal  
-“VSC OFF”/“VSC/TRAC”  
Light came on

TQCN DOC# FTR-9IA211431	Affiliate TCI	Dept. QA-Chassis	Source IDS	Location TMS	Ref 18497-1	Date 4/29/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 09-2002	Odometer 355 km	VIN (confirm 17 characters): 5TDBT48A73S [REDACTED]	
VSC Lights ON						

Attachment 1 : **Parts Recovery Control Sheet**

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is "scrap", properly dispose of the part.

<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to: CQEC-NA Parts Recovery Center Toyota Motor Sales U.S.A. Inc. 2015 W 190 <sup>th</sup> St. Torrance, CA 90504-6203 Attn: CQE Center Tel:			住所 :  宛先 :  Tel :		
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer						FOR CUSTOMS USE: Used Parts Value
1	Part # 1: 446100C040	Part Description BOOSTER ASSY, BRAKE			Qty. 1	Used Part Value \$ 107 .00
	Comments:					
2	Part # 2:	Part Description			Qty. 0	Used Part Value \$ 0 .00
	Comments:					
3	Part # 3:	Part Description			Qty. 0	Used Part Value \$ 0 .00
	Comments:					
4	Part # 4:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					
5	Part # 5:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					
6	Part # 6:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					
7	Part # 7:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					
8	Part # 8:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VOA212031A	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-SET	Ref 16729-1	Date 5/1/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 09-2002	Odometer 4820 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title VSC Light ON - DTC C1231						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 4/21/03	Optional Ref.	Optional Approval
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Condition Description

VSC Light on. DTC C1231.

Diagnostic Steps:

Tech states he was unable to read data from steering angle sensor with scan tool.

Probable Cause

Unknown. Possible defective steering angle sensor.

Part # 1: 8924534010	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Tech replaced steering angle sensor to correct condition.

	<p>Steering angle sensor</p>
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Attachment 1: PRCS

TQCN DOC# FTR-VOA212031A	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-SET	Ref 16729-1	Date 5/1/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 09-2002	Odometer 4820 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title VSC Light ON - DTC C1231						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the Final Destination field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
1	Part # 1: 8924534010	Part Description SENSOR, STEERING	Qty. 1	Used Part Value \$ 48 .00
	Comments:			
2	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
3	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
4	Part # 4:	Part Description	Qty. \$	Used Part Value .00
	Comments:			
5	Part # 5:	Part Description	Qty. \$	Used Part Value .00
	Comments:			
6	Part # 6:	Part Description	Qty. \$	Used Part Value .00
	Comments:			
7	Part # 7:	Part Description	Qty. \$	Used Part Value .00
	Comments:			
8	Part # 8:	Part Description	Qty. \$	Used Part Value .00
	Comments:			

TQCN DOC# FTR-VZA212931	Affiliate TMS	Dept. QA-Chassis	Source MDT/DS	Location TMS	Ref 12044-1	Date 5/9/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 5372 mi	VIN (confirm 17 characters): 5TDZT34A03S [REDACTED]	
Condition Title TRAC Light On						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date	Optional Ref.	Optional Approval
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**Condition Description**

The Trac off warning light in the combination meter was on. The diagnostic codes C-1231, steering angle sensor malfunction was set along with C-1360, master pressure sensor failure.

**Diagnostic Steps:**

Verified normal operation of the master cylinder pressure sensor and of the steering angle sensor.

**Probable Cause**

Internal malfunction of the skid control ECU.

Part # 1: 895410C060	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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**Repair Process**

Replace the skid control ECU. Recalibrate the input sensors.  
System now operating normal.  
Tag and recover the original part.

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TROUBLE CODE.....C1360
STOP LIGHT SW.....OFF
VSC/TRC OFF SW.....OFF
SYSTEM.....NO SYS
# IG ON.....0
VEHICLE SPD.....6MPH
STEERING ANG.....-9deg
YAW RATE.....0deg/s
MAS CYL PRESS.....0.45V
PEDAL STROKE.....1.82V
MAS PRESS GRADE.....-8MPa/s
STROKE GRADE.....0mm/s
G (RIGHT&LEFT).....0.00G
G (BACK&FORTH).....-0.04G
SPD GRADE.....0.00G
    
```

Freeze frame data from VSC master pressure sensor failure.

FIELD TECHNICAL REPORT

TQCN DOC# FTR-VZA212931	Affiliate TMS	Dept. QA-Chassis	Source MDT/DS	Location TMS	Ref 12044-1	Date 5/9/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 5372 mi	VIN (confirm 17 characters): 5TDZT34A03S [REDACTED]	
Condition Title TRAC Light On						



Label from original skid control ECU.

Attachment 1: PRCS



FIELD TECHNICAL REPORT



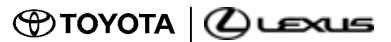
TQCN DOC# FTR-VZA212931	Affiliate TMS	Dept. QA-Chassis	Source MDT/DS	Location TMS	Ref 12044-1	Date 5/9/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 5372 mi	VIN (confirm 17 characters): 5TDZT34A03S [REDACTED]	
Condition Title TRAC Light On						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
<b>1</b>	<b>Part # 1:</b> 895410C060	<b>Part Description</b> COMPUTER, SKID CONTROL	<b>Qty.</b> 1	<b>Used Part Value</b> \$ 266 .00
	Comments:			
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:			
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:			
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			

**FIELD TECHNICAL REPORT**



TQCN DOC# FTR-J2A215331	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 17852-1	Date 6/4/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12/02	Odometer 3500 mi	VIN (confirm 17 characters): 5TDZT38A33S [REDACTED]	
Condition Title 2003 Sequoia - DTC C1203						

**Do not type in Blue shaded fields - Input data from Web page or RDM:**

Repair Date 05-19-03	Optional Ref.	Optional Approval
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**Condition Description**

VSC / Trac MIL on code C1203 only

**Diagnostic Steps:**

Inspected brake fluid level.  
Notified FTS for known concern.

**Probable Cause**

Translate ECU logic

Part # 1: 896300C010	Part # 2:	Part # 3:	Parts Disposition: Special request only	Parts Shipping Destination: N/A
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**Repair Process**

Installed new translate ECU.

Attachment 1: PRCS

TQCN DOC# FTR-J2A215331	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 17852-1	Date 6/4/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12/02	Odometer 3500 mi	VIN (confirm 17 characters): 5TDZT38A33S [REDACTED]	
Condition Title 2003 Sequoia - DTC C1203						

Attachment 1 : **Parts Recovery Control Sheet**

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b>	N/A	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:		住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:		宛先 :		
		Tel:		Tel :		
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>						<b>FOR CUSTOMS USE:</b> Used Parts Value
<b>1</b>	<b>Part # 1:</b> 896300C010	<b>Part Description</b> COMPUTER ASSY, TRANSLATE			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 86 .00
	Comments:					
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J2A215631	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19011-1	Date 6/6/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date	Odometer 2595 mi	VIN (confirm 17 characters): 5TDZT38A83S [REDACTED]	
Condition Title Sequoia Brake Fluid Leak						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 05/15/03	Optional Ref.	Optional Approval
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Condition Description

Brake, VSC and TRAC MILs ON. Brake reservoir fluid level low.

Diagnostic Steps:

Inspect for brake fluid leaks. No visible leaks found. Removed master cylinder and found brake fluid in brake booster.

Probable Cause

Unknown.

Part # 1: 472100C040	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Replace brake master cylinder and brake booster.

	<p>Master cylinder</p>
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FIELD TECHNICAL REPORT



TQCN DOC# FTR-J2A215631	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19011-1	Date 6/6/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date	Odometer 2595 mi	VIN (confirm 17 characters): 5TDZT38A83S [REDACTED]	
Condition Title Sequoia Brake Fluid Leak						

	<p>Tag on cylinder</p>
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J2A215631	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19011-1	Date 6/6/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date	Odometer 2595 mi	VIN (confirm 17 characters): 5TDZT38A83S [REDACTED]	
Condition Title Sequoia Brake Fluid Leak						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:			住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:			宛先 :	
		Tel:			Tel :	
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>						<b>FOR CUSTOMS USE:</b> Used Parts Value
<b>1</b>	<b>Part # 1:</b> 472100C040	<b>Part Description</b>			<b>Qty.</b> 1	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5EA216231	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SF	Ref 12044-1	Date 6/12/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 11-2002	Odometer 4957 mi	VIN (confirm 17 characters): 5TDZT34A73S [REDACTED]	
Condition Title VSC Light ON - DTC C1231						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date	Optional Ref.	Optional Approval
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Condition Description

Vehicle exhibits ABS/VSC lights on, multiple repair attempts.

Diagnostic Steps:

Scantool revealed C1231 code stored in memory. Revised calibration procedure was performed on steering angle sensor, but code returned.

Probable Cause

Unknown at this time.

Part # 1: 895410C060	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Installed updated Skid Control ECU received from PQSS chassis-will continue to monitor.

	<p>Replaced Skid Control ECU</p>
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5EA216231	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SF	Ref 12044-1	Date 6/12/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 11-2002	Odometer 4957 mi	VIN (confirm 17 characters): 5TDZT34A73S [REDACTED]	
Condition Title VSC Light ON - DTC C1231						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
1	Part # 1: 895410C060	Part Description COMPUTER, SKID CONTROL	Qty. 1	Used Part Value \$ 266 .00
	Comments:			
2	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
3	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
4	Part # 4:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
5	Part # 5:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
6	Part # 6:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
7	Part # 7:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
8	Part # 8:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			



FIELD TECHNICAL REPORT



TQCN DOC# FTR-JRA217831	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 17852-1	Date 6/30/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 8186 mi	VIN (confirm 17 characters): 5TDZT34A43S [REDACTED]	
Condition Title SEQUOIA DTC C1203						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 06-26-2003	Optional Ref.	Optional Approval
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Condition Description

Customer has brought vehicle to dealership service department 3 times to repair the V.S.C. and A.B.S. lights on and code C1203 set.

Diagnostic Steps:

F.T.S. inspected the vehicle and at this time V.S.C. and A.B.S. is operating properly. The lights are not currently illuminated but C1203 is set with no other codes set or pending. On the first repair visit, the brake fluid level was about 1 inch low in the reservoir. The brake fluid level was corrected, the code cleared and vehicle returned in 1 week.

Probable Cause

The cause of this condition is unknown. FTS monitored less than 0.1 volts drop on power and ground circuits to Skid Control ECU.

Part # 1: 896300C010	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

New Translate ECU was installed and the system was initialized. Test-drove vehicle for 22 miles without recurrence.



Attachment 1: PRCS

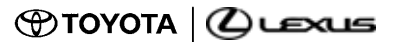
TQCN DOC# FTR-JRA217831	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 17852-1	Date 6/30/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 8186 mi	VIN (confirm 17 characters): 5TDZT34A43S [REDACTED]	
Condition Title SEQUOIA DTC C1203						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the Final Destination field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
1	Part # 1: 896300C010	Part Description COMPUTER ASSY, TRANSLATE	Qty. 1	Used Part Value \$ 86 .00
	Comments:			
2	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
3	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
4	Part # 4:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
5	Part # 5:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
6	Part # 6:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
7	Part # 7:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
8	Part # 8:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			

# FIELD TECHNICAL REPORT



TQCN DOC# FTR-JVA218131	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 17852-1	Date 7/1/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2002	Production Date 10-2002	Odometer 19478 mi	VIN (confirm 17 characters): 5TDBT44A83S [REDACTED]	
Condition Title 2003 Sequoia - DTC C1203						

Do not type in **Blue** shaded fields - Input data from Web page or RDM:

Repair Date 6/23/03	Optional Ref.	Optional Approval
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### Condition Description

Repeat 1203 code in a 03 Sequoia. This FTR is for recovery of the original part.

### Diagnostic Steps:

The technician followed repair manual procedure to diagnose condition. The technician then called California Technical Assistance and opened a case. California TAS arranged for a c/m Translate ECU to be shipped to the dealer.

### Probable Cause

Unknown.

Part # 1: 896300C010	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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### Repair Process

The technician replaced the Translate ECU with the c/m unit.



FIELD TECHNICAL REPORT



<b>TQCN DOC#</b> FTR-JVA218131	<b>Affiliate</b> TMS	<b>Dept.</b> QA-Chassis	<b>Source</b> FTS	<b>Location</b> REG-CIN	<b>Ref</b> 17852-1	<b>Date</b> 7/1/03
<b>Problem Area</b> Base Vehicle	<b>Primary Model</b> Sequoia	<b>Model Year</b> 2002	<b>Production Date</b> 10-2002	<b>Odometer</b> 19478 mi	<b>VIN (confirm 17 characters):</b> 5TDBT44A83S [REDACTED]	
<b>Condition Title</b> 2003 Sequoia - DTC C1203						

Place Picture #2 here	Place Caption #2 here
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-JVA218131	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 17852-1	Date 7/1/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2002	Production Date 10-2002	Odometer 19478 mi	VIN (confirm 17 characters): 5TDBT44A83S [REDACTED]	
Condition Title 2003 Sequoia - DTC C1203						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer			FOR CUSTOMS USE: Used Parts Value	
<b>1</b>	<b>Part # 1:</b> 896300C010	<b>Part Description</b> COMPUTER ASSY, TRANSLATE	<b>Qty.</b> 1	<b>Used Part Value</b> \$ 86 .00
	Comments:			
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b>
	Comments:			
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b>
	Comments:			
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b>
	Comments:			
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b>
	Comments:			
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b>
	Comments:			
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b>
	Comments:			
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b>
	Comments:			

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J1A218131	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-GST	Ref 16729-1	Date 7/1/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 11-2002	Odometer 5802 mi	VIN (confirm 17 characters): 5TDZT34A63S [REDACTED]	
Condition Title VSC TRAC MIL On						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 04/12/2003	Optional Ref.	Optional Approval
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Condition Description

Customer complains that the VSC and TRAC light comes on and off at times.

Diagnostic Steps:

Technician used the dia. Tester and retrieved codes C 1231 and C 1360

Probable Cause

Codes indicate a malfunction in the steering angle sensor and the master cylinder pressure sensor.

Part # 1: 8924534010	Part # 2: 896370C020	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

The steering angle sensor and the master cylinder pressure sensors were replaced to correct this condition.

	<p>Steering angle sensor and master cylinder pressure sensors.</p>
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J1A218131	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-GST	Ref 16729-1	Date 7/1/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 11-2002	Odometer 5802 mi	VIN (confirm 17 characters): 5TDZT34A63S [REDACTED]	
Condition Title VSC TRAC MIL On						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
<b>1</b>	<b>Part # 1:</b> 8924534010	<b>Part Description</b> SENSOR, STEERING	<b>Qty.</b> 1	<b>Used Part Value</b> \$ 48 .00
	Comments:			
<b>2</b>	<b>Part # 2:</b> 896370C020	<b>Part Description</b> SENSOR, OIL PRESSURE	<b>Qty.</b> 2	<b>Used Part Value</b> \$ 63 .00
	Comments:			
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:			
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:			

**FIELD TECHNICAL REPORT**



TQCN DOC# FTR-J0A218331	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 12044-1	Date 7/8/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 9108 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title VSC Light ON - DTC C1360,C1247,C1223,C1203						

**Do not type in Blue shaded fields - Input data from Web page or RDM:**

Repair Date 6/17/2003	Optional Ref. RO 560102	Optional Approval
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**Condition Description**

Vehicle sets VSC codes C1360, C1247, C1223 and C1203

**Diagnostic Steps:**

Technician checked voltages and grounds at the VSC computer. Verified voltages on the master pressure sensors. Both sensors indicated .47 volts at idle and reached 2.4 volts with the brakes applied. He also checked the pedal stroke sensor. The sensor read 1.7 volts at idle and reached 3.14 volts with the pedal fully depressed. Once the codes were set the voltage on the pedal stroke sensor changed to 0 volts at idle and .2 volts with the pedal depressed. The VSC computer was checked for input source voltage and there was 13.8-14 volts available to the computer when the engine was running. Inspected the shielded wires for excessive noise and none was detected.

**Probable Cause**

Unknown.

Part # 1: 895410C060	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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**Repair Process**

Replacing the Skid Control ECU corrected the condition.

	<p>Identification tag on VSC ECU</p>
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Attachment 1: PRCS



FIELD TECHNICAL REPORT



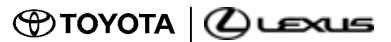
TQCN DOC# FTR-J0A218331	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 12044-1	Date 7/8/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 9108 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title VSC Light ON - DTC C1360,C1247,C1223,C1203						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:			住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:			宛先 :	
		Tel:			Tel :	
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>						<b>FOR CUSTOMS USE:</b> Used Parts Value
<b>1</b>	<b>Part # 1:</b> 895410C060	<b>Part Description</b> COMPUTER, SKID CONTROL			<b>Qty.</b> 1	<b>Used Part Value</b> \$ 266 .00
	Comments:					
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J2A218431	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19316-1	Date 7/8/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date	Odometer 8748 mi	VIN (confirm 17 characters): 5TDZT34A73S [REDACTED]	
Condition Title Sequoia C 1360						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 06-04-03	Optional Ref. --	Optional Approval
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Condition Description

Trac VSC MIL on code C1360

Diagnostic Steps:

Used scan tool and monitored master cylinder pressure. Confirmed equal pressure readings until repeated brake applications would cause brake pedal to go down and one sensor reading would fall short of the other sensor.

Probable Cause

Fluid bypass inside brake master cylinder causing low pressure at sensor.

Part # 1: 472010C040	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Replaced brake master cylinder.

	<p>Brake Master Cylinder with tag</p>
	<p>Marks in brake master cylinder casting</p>

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J2A218431	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19316-1	Date 7/8/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date	Odometer 8748 mi	VIN (confirm 17 characters): 5TDZT34A73S [REDACTED]	
Condition Title Sequoia C 1360						

Attachment 1: PRCS

Attachment 1 : **Parts Recovery Control Sheet**

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:		住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:		宛先 :		
		Tel:		Tel :		
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer						FOR CUSTOMS USE: Used Parts Value
<b>1</b>	Part # 1: 472010C040	Part Description CYLINDER SUB-ASSY, BRAKE MASTER			Qty. 1	Used Part Value \$ 39 .00
	Comments:					
<b>2</b>	Part # 2:	Part Description			Qty. 0	Used Part Value \$ 0 .00
	Comments:					
<b>3</b>	Part # 3:	Part Description			Qty. 0	Used Part Value \$ 0 .00
	Comments:					
<b>4</b>	Part # 4:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					
<b>5</b>	Part # 5:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					
<b>6</b>	Part # 6:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					
<b>7</b>	Part # 7:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					
<b>8</b>	Part # 8:	Part Description			Qty.	Used Part Value \$ .00
	Comments:					

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VEA218431	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 12044-1	Date 7/8/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2004	Production Date 03-2003	Odometer 2016 mi	VIN (confirm 17 characters): 5TDBT44A13S [REDACTED]	
Condition Title VSC and TRAC Light ON - DTC C1231						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 7-1-03	Optional Ref.	Optional Approval
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Condition Description

Customer states VSC and TRAC light ON.

Diagnostic Steps:

Technician and FPE verified the customer's complaint and retrieved DTC C1231 with the Scantool.

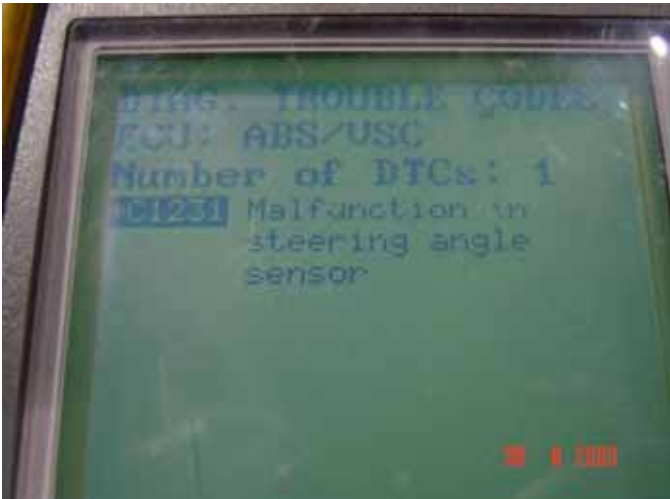
Probable Cause

Unknown.

Part # 1: N/A	Part # 2:	Part # 3:	Parts Disposition: No part available	Parts Shipping Destination: N/A
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Repair Process

The technician and FPE cleared the code and drove the vehicle 5 miles, including making several turns. The code did not return and the steering angle values were accurate on the scan tool. Vehicle was returned to customer.

	<p>DTC C1231 in memory</p>
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



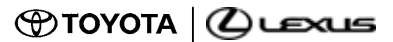
TQCN DOC# FTR-VEA218431	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 12044-1	Date 7/8/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2004	Production Date 03-2003	Odometer 2016 mi	VIN (confirm 17 characters): 5TDBT44A13S [REDACTED]	
Condition Title VSC and TRAC Light ON - DTC C1231						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> N/A				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
<b>1</b>	Part # 1: N/A	Part Description	Qty. 0	Used Part Value \$ 0.00
	Comments:			
<b>2</b>	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0.00
	Comments:			
<b>3</b>	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0.00
	Comments:			
<b>4</b>	Part # 4:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
<b>5</b>	Part # 5:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
<b>6</b>	Part # 6:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
<b>7</b>	Part # 7:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
<b>8</b>	Part # 8:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J3A219031	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 11486-1	Date 7/9/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 14 mi	VIN (confirm 17 characters): 5TDZT34A53S [REDACTED]	
Condition Title Park Brake Light Remains On						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date	Optional Ref.	Optional Approval
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Condition Description

The BRAKE light stays on in the dash at all times.

Diagnostic Steps:

Inspection of the circuit revealed that the ground path for the light was through the Skid Control ECU.

Probable Cause

Internal short to ground within the Skid Control ECU.

Part # 1: 440500C070	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Inspect the Park Brake lamp circuit, trace to short within the Skid Control ECU.

\*Note- The dealer installed the Skid Control ECU with Actuator.



VSC ECU Info

89541-0C060

25.0925-0018.3      00001112C1

\*FUR2M14C45\*

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J3A219031	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 11486-1	Date 7/9/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 14 mi	VIN (confirm 17 characters): 5TDZT34A53S [REDACTED]	
Condition Title Park Brake Light Remains On						

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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J3A219031	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 11486-1	Date 7/9/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 14 mi	VIN (confirm 17 characters): 5TDZT34A53S [REDACTED]	
Condition Title Park Brake Light Remains On						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
1	Part # 1: 440500C070	Part Description ACTUATOR ASSY, BRAKE W/FLUID	Qty. 1	Used Part Value \$ 453 .00
	Comments:			
2	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
3	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
4	Part # 4:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
5	Part # 5:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
6	Part # 6:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
7	Part # 7:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
8	Part # 8:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			



FIELD TECHNICAL REPORT



TQCN DOC# FTR-VEA218931	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 12044-1	Date 7/8/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 03-2003	Odometer 2016 mi	VIN (confirm 17 characters): 5TDBT44A13S [REDACTED]	
Condition Title 2003 Sequoia - DTC C1231						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 6-30-03	Optional Ref.	Optional Approval
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Condition Description

Customer states VSC and ABS lights ON.

Diagnostic Steps:

Technician and FPE verified the customer's complaint and upon further diagnosis found the code DTC C1231. Verified that the steering angle was functioning correctly with the Diagnostic Tester.

Probable Cause

Unknown.

Part # 1: N/A	Part # 2:	Part # 3:	Parts Disposition: No part available	Parts Shipping Destination: N/A
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Repair Process

The technician and FPE cleared the code and returned vehicle to customer.

	<p>Diagnostic Tester indicates DTC C1231</p>
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VEA218931	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 12044-1	Date 7/8/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 03-2003	Odometer 2016 mi	VIN (confirm 17 characters): 5TDBT44A13S [REDACTED]	
Condition Title 2003 Sequoia - DTC C1231						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> N/A				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
<b>1</b>	Part # 1: N/A	Part Description	Qty. 0	Used Part Value \$ 0.00
	Comments:			
<b>2</b>	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0.00
	Comments:			
<b>3</b>	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0.00
	Comments:			
<b>4</b>	Part # 4:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
<b>5</b>	Part # 5:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
<b>6</b>	Part # 6:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
<b>7</b>	Part # 7:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
<b>8</b>	Part # 8:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VZA219231	Affiliate TMS	Dept. QA-Chassis	Source MDT/DS	Location TMS	Ref 12044-1	Date 7/14/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 11-2002	Odometer 4791 mi	VIN (confirm 17 characters): 5TDZT34AX3S [REDACTED]	
Condition Title 2003 Sequoia VSC - DTC C1231						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date	Optional Ref.	Optional Approval
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Condition Description

The VSC and TRAC off warning lights were on. The diagnostic code C-1231, steering angle sensor malfunction was set. The same condition was found in a second 2003 Sequoia, P/D: 09-02, VIN: 5TDZT34A83S [REDACTED] 18861 miles.

Diagnostic Steps:

The steering angle sensors on both vehicles responded to wheel movement while monitoring the Scantool data list. Both vehicles were off zero calibration with the wheel in the straight ahead position The first vehicle was off by -72 deg. and the second vehicle was off 48deg.

Probable Cause

Exact cause is unknown. Suspect possible intermittent loss of steering angle sensor signal.

Part # 1: 8924534010	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Replace the steering angle sensors in both vehicles and reset the zero points.  
Systems now operating normal.  
Tag and recover both parts.



Photo of steering angle sensor and P/N.

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VZA219231	Affiliate TMS	Dept. QA-Chassis	Source MDT/DS	Location TMS	Ref 12044-1	Date 7/14/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 11-2002	Odometer 4791 mi	VIN (confirm 17 characters): 5TDZT34AX3S [REDACTED]	
Condition Title 2003 Sequoia VSC - DTC C1231						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
1	Part # 1: 8924534010	Part Description SENSOR, STEERING	Qty. 2	Used Part Value \$ 48 .00
	Comments:			
2	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
3	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
4	Part # 4:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
5	Part # 5:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
6	Part # 6:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
7	Part # 7:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
8	Part # 8:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			

**FIELD TECHNICAL REPORT**



TQCN DOC# FTR-VEA220631	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 12044-1	Date 7/28/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 5894 mi	VIN (confirm 17 characters): 5TDBT48A23S [REDACTED]	
Condition Title 2003 Sequoia - DTC C1231						

**Do not type in Blue shaded fields - Input data from Web page or RDM:**

Repair Date 7-1-03	Optional Ref.	Optional Approval
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**Condition Description**

Customer states VSV and TRAC light ON.

**Diagnostic Steps:**

Technician and FPE verified the customer's complaint and upon further diagnosis found DTC C1231 with the Scantool.

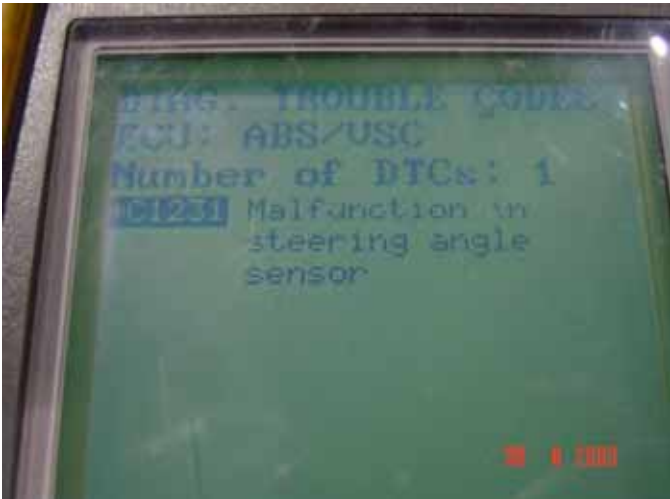
**Probable Cause**

Unknown.

Part # 1: N/A	Part # 2:	Part # 3:	Parts Disposition: No part available	Parts Shipping Destination: N/A
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**Repair Process**

The technician and FPE cleared the code and drove the vehicle 5 miles, including making several turns. The code did not return and the steering angle values were accurate on the scan tool. Vehicle was returned to customer.

	<p>DTC C1231</p>
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VEA220631	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 12044-1	Date 7/28/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 12-2002	Odometer 5894 mi	VIN (confirm 17 characters): 5TDBT48A23S [REDACTED]	
Condition Title 2003 Sequoia - DTC C1231						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> N/A					
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :		
		Tel:	Tel :		
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>					FOR CUSTOMS USE: Used Parts Value
<b>1</b>	<b>Part # 1:</b> N/A	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0.00	
	Comments:				
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0.00	
	Comments:				
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0.00	
	Comments:				
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J0A221031	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19556-1	Date 7/30/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 08-2002	Odometer 16840 mi	VIN (confirm 17 characters): 5TDZT34A73S [REDACTED]	
Condition Title Yaw Rate Sensor						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 07/09/2003	Optional Ref. R.O. 120985	Optional Approval
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Condition Description

Vehicle sets VSC codes C1223 Malfunction in ABS Control System, and C1244 deceleration sensor circuit. Vehicle would not complete zero point calibration.

Diagnostic Steps:

Technician verified with the scan tool that values were changing on the scan tool by moving the vehicle side to side or jouncing the front end of the vehicle. Voltage and ground were also verified at the sensor.

Probable Cause

Deceleration sensor values not within specification.

Part # 1: 89180C020	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Replacing the yaw rate/deceleration sensor assembly with one from a KGU restored the vehicle to proper working condition. A new sensor was ordered and installed on the vehicle.

	<p>Identification tag on end of Yaw Rate Sensor P/N 89180-0C020</p>
	<p>Identification tag on side of Yaw Rate Sensor</p>

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J0A221031	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19556-1	Date 7/30/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 08-2002	Odometer 16840 mi	VIN (confirm 17 characters): 5TDZT34A73S [REDACTED]	
Condition Title Yaw Rate Sensor						

Attachment 1: PRCS

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:			住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Attn:			宛先 :		
	Tel:			Tel :		
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>						FOR CUSTOMS USE: Used Parts Value
<b>1</b>	<b>Part # 1:</b> 891800C020	<b>Part Description</b> SENSOR ASSY, YAWRATE			<b>Qty.</b> 1	<b>Used Part Value</b> \$ 50 .00
	Comments:					
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>			<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00
	Comments:					
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>			<b>Qty.</b>	<b>Used Part Value</b> \$ .00
	Comments:					



FIELD TECHNICAL REPORT



TQCN DOC# FTR-VZA223031	Affiliate TMS	Dept. QA-Chassis	Source MDT/DS	Location TMS	Ref 15570-1	Date 8/18/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 11-2002	Odometer 6735 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title Intermittent Trac Off Light						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date	Optional Ref.	Optional Approval
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Condition Description

The "TRAC" off indicator light in the combination meter intermittently came on while the vehicle was being driven. The diagnostic code C-1244 (deceleration circuit malfunction).

Diagnostic Steps:

Verified connections at the decel/yaw sensor and at the skid control ECU.

Probable Cause

Unknown - intermittent internal malfunction of the decel/yaw sensor

Part # 1: 891800C020	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Replaced the decel/yaw sensor  
System now operating normally



Label from the original sensor  
89180-0C020  
25.0980-0414.4 246317  
SC-00C-220-120  
5MD2K13180



Label from the original sensor  
89180-0C020  
25.0980-0414.4  
0221598004143432105951

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VZA223031	Affiliate TMS	Dept. QA-Chassis	Source MDT/DS	Location TMS	Ref 15570-1	Date 8/18/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 11-2002	Odometer 6735 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title Intermittent Trac Off Light						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA					
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :		
		Tel:	Tel :		
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer					FOR CUSTOMS USE: Used Parts Value
<b>1</b>	<b>Part # 1:</b> 891800C020	<b>Part Description</b> SENSOR ASSY, YAWRATE	<b>Qty.</b> 1	<b>Used Part Value</b> \$ 50.00	
	Comments:				
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0.00	
	Comments:				
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0.00	
	Comments:				
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
	Comments:				

# FIELD TECHNICAL REPORT



TQCN DOC# FTR-VEA223231A	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 19744-1	Date 8/20/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 03-2003	Odometer 4184 mi	VIN (confirm 17 characters): 5TDBT48A03S [REDACTED]	
Condition Title Brake Light On - Pedal Stroke Sensor						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 8-4-03	Optional Ref.	Optional Approval
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### Condition Description

Customer states brake malfunction indicator light on. No VSC, no ABS Light.

### Diagnostic Steps:

Technician verified the customer's complaint. Technician monitored PIM voltage during road test using E3 ground used by pedal stroke speed sensor. Fluke meter set to record MIN/MAX voltage. During malfunction, meter did not record any abnormal voltages. Before ordering new Skid control ECU, Tech swapped brake vacuum booster per regional FTS. That corrected the problem. Note: Fluke88 multi meter not fast enough to detect this type of problem. Must use oscilloscope.

### Probable Cause

Unknown.

Part # 1: 446100C040	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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### Repair Process

Replace brake booster PN 44610-0C040.

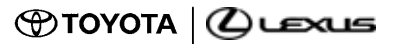
Brake system warning indicator on



Minimum voltage recorded at the time brake malfunction indicator came on for tech. Within spec of good pedal stroke sensor and circuit.



# FIELD TECHNICAL REPORT

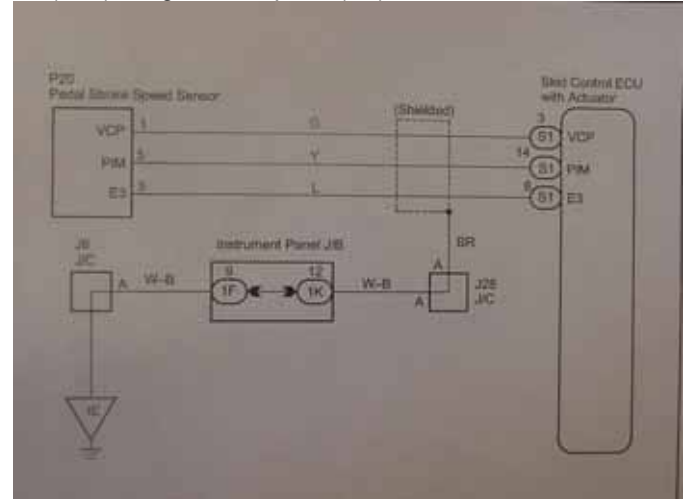


TQCN DOC# FTR-VEA223231A	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 19744-1	Date 8/20/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 03-2003	Odometer 4184 mi	VIN (confirm 17 characters): 5TDBT48A03S [REDACTED]	
Condition Title Brake Light On - Pedal Stroke Sensor						

Maximum voltage recorded at the time Brake malfunction indicator came on for tech. Within spec of good pedal stroke sensor and circuit.



Meter readings taken at Skid Control ECU. Pos lead on pin 14 (PIM). Neg lead on pin 8 (E3)



Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VEA223231A	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location REG-NY	Ref 19744-1	Date 8/20/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 03-2003	Odometer 4184 mi	VIN (confirm 17 characters): 5TDBT48A03S [REDACTED]	
Condition Title Brake Light On - Pedal Stroke Sensor						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
1	Part # 1: 446100C040	Part Description BOOSTER ASSY, BRAKE	Qty. 1	Used Part Value \$ 108 .00
	Comments:			
2	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
3	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
4	Part # 4:	Part Description	Qty. \$	Used Part Value .00
	Comments:			
5	Part # 5:	Part Description	Qty. \$	Used Part Value .00
	Comments:			
6	Part # 6:	Part Description	Qty. \$	Used Part Value .00
	Comments:			
7	Part # 7:	Part Description	Qty. \$	Used Part Value .00
	Comments:			
8	Part # 8:	Part Description	Qty. \$	Used Part Value .00
	Comments:			

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-VQA223031</b>	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS	Ref 15570-1	Date 8/20/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 05-2003	Odometer 200 mi	VIN (confirm 17 characters): 5TDZT34A13S [REDACTED]	
Condition Title YAW SENSOR INACCURATE						

Do not type in **YELLOW** shaded fields - Input data from Web page or RDM:

Repair Date 7/03/03	Optional Ref.	Optional Approval
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Condition Description

ABS, VSC lights "ON", code C1234 in memory.

- Condition occurred within 1 week after delivery.
- C1234 code indicates problem condition in Yaw Rate Sensor.

Diagnostic Steps:

Technician tested sensor using scantool.

- Sensor will not read over 1° right yaw.
- Sensor reads normal at left yaw angles.

Probable Cause

Internal condition in Yaw Rate Sensor.

Part # 1: 891800C020	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Replacing Yaw Rate Sensor corrected condition.

	<p>Yaw Rate Sensor label. - Sensor will not read more than 1° right yaw.</p>
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-VQA223031</b>	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS	Ref 15570-1	Date 8/20/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 05-2003	Odometer 200 mi	VIN (confirm 17 characters): 5TDZT34A13S [REDACTED]	
Condition Title YAW SENSOR INACCURATE						

Attachment 1 : **Parts Recovery Control Sheet**

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields. If the **Final Destination** field below is “scrap”, properly dispose of the part.

VIN

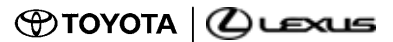


TQCN Doc No.



<b>Final Destination:</b>	TMMNA	<b>SETR#:</b>		<b>CQE Eng:</b>	N/A
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:		住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Attn:		宛先 :		
	Tel:		Tel :		
T-STAR					
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>					<b>FOR CUSTOMS USE: Used Parts Value</b>
<b>1</b>	<b>Part # 1:</b> 891800C020 Comments: FTR-VEE313631 2T1KR32E93C054982	<b>Part Description</b> SENSOR ASSY, YAWRATE	<b>Qty.</b> 1	<b>Used Part Value</b> \$ 50 .00	
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00	
Comments:					
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00	
Comments:					
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
Comments:					
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
Comments:					
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
Comments:					
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
Comments:					
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	
Comments:					

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-VFA223331</b>	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS	Ref 19771-1	Date 8/25/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 08-2002	Odometer 8806 mi	VIN (confirm 17 characters): 5TDBT44A33S [REDACTED]	
Condition Title VSC Light "On" - Steering Angle Sensor						

Do not type in **YELLOW** shaded fields - Input data from Web page or RDM:

Repair Date 07/03	Optional Ref.	Optional Approval
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Condition Description

- Customer complained that VSC light was illuminated (ON) and would remain on during all driving conditions.

Diagnostic Steps:

- Visual inspection, diagnostic codes and electrical checks.

Probable Cause

- Probable root cause of complaint condition appears to be internal malfunction of steering sensor.

Part # 1: 892450C010	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

- Replacement of rotation sensor corrected complaint condition and customer is satisfied with repairs.

	<ul style="list-style-type: none"> <li>Steering sensor body was found not completely snapped together when inspected.</li> </ul>
--	--

Attachment 1: PRCS



FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-VFA223331</b>	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS	Ref 19771-1	Date 8/25/2003
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 08-2002	Odometer 8806 mi	VIN (confirm 17 characters): 5TDBT44A33S [REDACTED]	
Condition Title VSC Light "On" - Steering Angle Sensor						

Attachment 1 : **Parts Recovery Control Sheet**

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields. If the **Final Destination** field below is "scrap", properly dispose of the part.

VIN



TQCN Doc No.



<b>Final Destination:</b> TMMNA	SETR#:	CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b> North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Deliver to:  Attn:  Tel:	住所 :  宛先 :  Tel :	

T-STAR

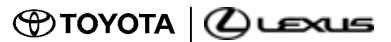


Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer

FOR CUSTOMS USE:  
Used Parts Value

	Part #	Part Description	Qty.	Used Part Value
1	892450C010 Comments: FTR-VEE313631 2T1KR32E93C054982	SENSOR, STEERING	1	\$ 48 .00
2	Part # 2: Comments:	Part Description	0	\$ 0 .00
3	Part # 3: Comments:	Part Description	0	\$ 0 .00
4	Part # 4: Comments:	Part Description		\$ .00
5	Part # 5: Comments:	Part Description		\$ .00
6	Part # 6: Comments:	Part Description		\$ .00
7	Part # 7: Comments:	Part Description		\$ .00
8	Part # 8: Comments:	Part Description		\$ .00

**FIELD TECHNICAL REPORT**



TQCN DOC# <b>FTR-VQA223931</b>	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS	Ref 19868-1	Date 8/28/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 08-2003	Odometer 12 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title ABS & VSC Lights ON - Connector Damage						

**Do not type in YELLOW shaded fields - Input data from Web page or RDM:**

Repair Date 8/19/03	Optional Ref.	Optional Approval
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**Condition Description**

VSC and TRAC warning lights "ON" at vehicle delivery to dealer.

- Code C1223 in memory (ABS control system)
- Code C1247 in memory (Delta S circuit, brake pedal acceleration measurement)

**Diagnostic Steps:**

Physical inspection of component connections.

**Probable Cause**

ABS connector at actuator broken during manufacture (see photo). Connector will not latch correctly to actuator.

Part # 1: 821120C122	Part # 2:	Part # 3:	Parts Disposition: No part available	Parts Shipping Destination: N/A
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**Repair Process**

Dealer ordered new harness to repair condition.

	<p>Connector broken in this area.</p>
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-VQA223931</b>	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS	Ref 19868-1	Date 8/28/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 08-2003	Odometer 12 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title ABS & VSC Lights ON - Connector Damage						

Attachment 1 : **Parts Recovery Control Sheet**

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields. If the **Final Destination** field below is “scrap”, properly dispose of the part.

VIN



TQCN Doc No.



<b>Final Destination:</b>	N/A	<b>SETR#:</b>		<b>CQE Eng:</b>	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:		住所 :			
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Attn:		宛先 :			
	Tel:		Tel :			
T-STAR						
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>					<b>FOR CUSTOMS USE: Used Parts Value</b>	
<b>1</b>	<b>Part # 1:</b> 821120C122 Comments: FTR-VEE313631 2T1KR32E93C054982	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00		
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00	Comments:	
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00	Comments:	
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	Comments:	
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	Comments:	
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	Comments:	
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	Comments:	
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00	Comments:	

FIELD TECHNICAL REPORT



TQCN DOC# FTR-9DA224531	Affiliate TCI	Dept. QA-Chassis	Source IDS	Location TCI-TOR	Ref 15570-1	Date 9/4/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 05-2003	Odometer 2200 km	VIN (confirm 17 characters): 5TDBT48A83S [REDACTED]	
VSC OFF/TRAC Light "On", DTC C1234						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 2003-07-16	Optional Ref.	Optional Approval
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Condition Description

- VSC OFF and TRAC lights turned on intermittently while driving on smooth and dry road in other word no need for VSC to work..

Diagnostic Steps:

- Retrieving the DTC found DTC C1234 stored in the VSC ECU.
- No other DTC was stored in any other ECU.

Probable Cause

- Yaw sensor internal malfunction.

Part # 1: 891800C020	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

- Replace yaw rate sensor.

<table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> <th>Units</th> </tr> </thead> <tbody> <tr><td>TROUBLE CODE</td><td>C1234</td><td></td></tr> <tr><td>STOP LIGHT SW</td><td>OFF</td><td></td></tr> <tr><td>VSC/TRC OFF SW</td><td>OFF</td><td></td></tr> <tr><td>SYSTEM</td><td>NO SYS</td><td></td></tr> <tr><td># IG ON</td><td>0</td><td></td></tr> <tr><td>VEHICLE SPD</td><td>66</td><td>MPH</td></tr> <tr><td>STEERING ANG</td><td>-9</td><td>deg</td></tr> <tr><td>YAW RATE</td><td>-11</td><td>deg/s</td></tr> <tr><td>MAS CYL PRESS</td><td>0.45</td><td>V</td></tr> <tr><td>PEDAL STROKE</td><td>1.84</td><td>V</td></tr> <tr><td>MAS PRESS GRADE</td><td>0</td><td>MPa/s</td></tr> <tr><td>STROKE GRADE</td><td>0</td><td>mm/s</td></tr> <tr><td>G (RIGHT&amp;LEFT)</td><td>0.03</td><td>G</td></tr> <tr><td>G (BACK&amp;FORTH)</td><td>-0.04</td><td>G</td></tr> <tr><td>SPD GRADE</td><td>0.02</td><td>G</td></tr> </tbody> </table>	Parameter	Value	Units	TROUBLE CODE	C1234		STOP LIGHT SW	OFF		VSC/TRC OFF SW	OFF		SYSTEM	NO SYS		# IG ON	0		VEHICLE SPD	66	MPH	STEERING ANG	-9	deg	YAW RATE	-11	deg/s	MAS CYL PRESS	0.45	V	PEDAL STROKE	1.84	V	MAS PRESS GRADE	0	MPa/s	STROKE GRADE	0	mm/s	G (RIGHT&LEFT)	0.03	G	G (BACK&FORTH)	-0.04	G	SPD GRADE	0.02	G	
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Attachment 1: PRCS

TQCN DOC# FTR-9DA224531	Affiliate TCI	Dept. QA-Chassis	Source IDS	Location TCI-TOR	Ref 15570-1	Date 9/4/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 05-2003	Odometer 2200 km	VIN (confirm 17 characters): 5TDBT48A83S [REDACTED]	
VSC OFF/TRAC Light "On", DTC C1234						

Attachment 1 : **Parts Recovery Control Sheet**

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is "scrap", properly dispose of the part.

<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:  Attn:  Tel:			住所 :  宛先 :  Tel :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan						
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer						FOR CUSTOMS USE: Used Parts Value
<b>1</b>	<b>Part # 1:</b> 891800C020 Comments:	<b>Part Description</b> SENSOR ASSY, YAWRATE	<b>Qty.</b> 1	<b>Used Part Value</b> \$ 50 .00		
<b>2</b>	<b>Part # 2:</b> Comments:	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00		
<b>3</b>	<b>Part # 3:</b> Comments:	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00		
<b>4</b>	<b>Part # 4:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
<b>5</b>	<b>Part # 5:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
<b>6</b>	<b>Part # 6:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
<b>7</b>	<b>Part # 7:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
<b>8</b>	<b>Part # 8:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J3A224831	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19971-1	Date 9/5/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 04-2003	Odometer 4337 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title VSC Light "ON" -- Wire Harness Open						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date	Optional Ref.	Optional Approval
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Condition Description

VSC, ABS, TRAC OFF, BRAKE lights are all "ON" in the dash. Cannot communicate with the ABS or VSC systems using the Toyota Scantool. Manually jumping pins TC and CG on the DLC3 connector code **42** (ECU Communication System Malfunction) **was** output.

Diagnostic Steps:

Voltage drop test performed on VSC+ and VSC- wires between Translate and Skid Control ECU's, finding open circuit. Moving the wire harness causes continuity loss on these wires.

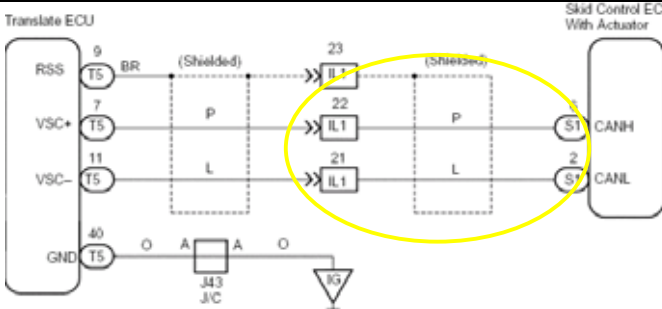
Probable Cause

Open circuits on Pink and Light Blue wires between Translate and Skid Control ECU's at the area where it passes through the bulkhead.

Part # 1: 821110C131	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

Trace intermittent open and replace wire harness.



Intermittent open between connector IL1 pins 22 & 21 and connector S1 pins 6 & 2.



Parts Tag  
82111-0C131

FIELD TECHNICAL REPORT

TQCN DOC# FTR-J3A224831	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19971-1	Date 9/5/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 04-2003	Odometer 4337 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title VSC Light "ON" -- Wire Harness Open						



82111-0C131  
T15 00590 9 02  
T32R3PKS00590



Assembled in Mexico  
SEWS/CONTEC#3 Juarez Mexico

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J3A224831	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 19971-1	Date 9/5/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 04-2003	Odometer 4337 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title VSC Light "ON" -- Wire Harness Open						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b> TMMNA				
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:	住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:	宛先 :	
		Tel:	Tel :	
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer				FOR CUSTOMS USE: Used Parts Value
1	Part # 1: 821110C131	Part Description WIRE, ENGINE ROOM MAIN	Qty. 1	Used Part Value \$ 265 .00
	Comments:			
2	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
3	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00
	Comments:			
4	Part # 4:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
5	Part # 5:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
6	Part # 6:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
7	Part # 7:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			
8	Part # 8:	Part Description	Qty.	Used Part Value \$ .00
	Comments:			



FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-7PA230031</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-LA	Ref 19316-1	Date 10/27/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2004	Production Date 10-2002	Odometer 12103 mi	VIN (confirm 17 characters): 5TDZT34A03S [REDACTED]	
Condition Title Sequoia Brake Fluid Leak						

Do not type in YELLOW shaded fields - Input data from Web page or RDM:

Repair Date 10/23/03	Optional Ref.	Optional Approval
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Condition Description

- Customer complains of Brake Warning Lights on due to low Brake Fluid level.

Diagnostic Steps:

- FTS removed Brake Master Cylinder from Brake Booster.
- Brake Fluid noted leaking from rear of Brake Master Cylinder.
- Brake Fluid noted inside Brake Booster.

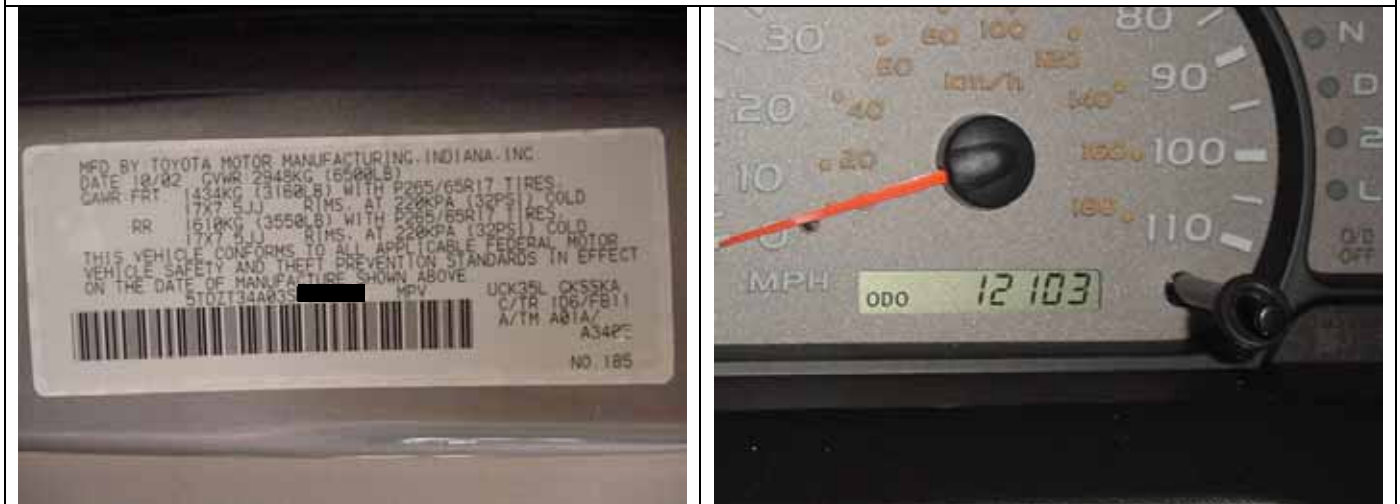
Probable Cause

- Root cause unknown.

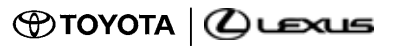
Part # 1: 472010C040	Part # 2: 472000C060	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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Repair Process

- Brake Master Cylinder and Brake Booster replaced.



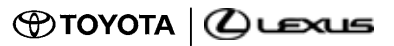
FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-7PA230031</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-LA	Ref 19316-1	Date 10/27/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2004	Production Date 10-2002	Odometer 12103 mi	VIN (confirm 17 characters): 5TDZT34A03S [REDACTED]	
Condition Title Sequoia Brake Fluid Leak						



# FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-7PA230031</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-LA	Ref 19316-1	Date 10/27/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2004	Production Date 10-2002	Odometer 12103 mi	VIN (confirm 17 characters): 5TDZT34A03S [REDACTED]	
Condition Title Sequoia Brake Fluid Leak						



Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-7PA230031</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-LA	Ref 19316-1	Date 10/27/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2004	Production Date 10-2002	Odometer 12103 mi	VIN (confirm 17 characters): 5TDZT34A03S [REDACTED]	
Condition Title Sequoia Brake Fluid Leak						

Attachment 1: Parts Recovery Control Sheet

Do not type in SHADED fields. If the Final Destination field below is "scrap", properly dispose of the part.

Orig Tracking

VIN



Doc No.



<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:			住所 :	
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Attn:			宛先 :	
	Tel:			Tel :	
T-STAR					
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer					FOR CUSTOMS USE: Used Parts Value
<b>1</b>	Part # 1: 472010C040 Comments:	Part Description CYLINDER SUB-ASSY, BRAKE MASTER	Qty. 1	Used Part Value \$ 39 .00	
<b>2</b>	Part # 2: 472000C060 Comments:	Part Description	Qty. 1	Used Part Value \$ 0 .00	
<b>3</b>	Part # 3: Comments:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
<b>4</b>	Part # 4: Comments:	Part Description	Qty. \$	Used Part Value .00	
<b>5</b>	Part # 5: Comments:	Part Description	Qty. \$	Used Part Value .00	
<b>6</b>	Part # 6: Comments:	Part Description	Qty. \$	Used Part Value .00	
<b>7</b>	Part # 7: Comments:	Part Description	Qty. \$	Used Part Value .00	
<b>8</b>	Part # 8: Comments:	Part Description	Qty. \$	Used Part Value .00	

TQCN DOC# FTR-JUA231031	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 20707-1	Date 11/7/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 04-2003	Odometer 10269 mi	VIN (confirm 17 characters): 5TDBT48A93S [REDACTED]	
Condition Title DTC C1247 & C1223 - PIM Wire						

Do not type in Blue shaded fields - Input data from Web page or RDM:

Repair Date 11/04/03	Optional Ref.	Optional Approval
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**Condition Description**

During a previous repair attempt, the Skid Control ECU was replaced to correct trouble codes C1223 and C1247. However, the vehicle returned to the dealership a short time later with the same trouble codes.

**Diagnostic Steps:**

Upon further inspection, the technician discovered the "PIM" wire (yellow, pin #14 ) at the Skid Control ECU connector was routed too tightly in the harness.

**Probable Cause**

The tight harness routing of the "PIM" wire resulted in the "PIM" signal going "open" at times causing the trouble codes to be set.

Rt # 1: N/A	Part # 2:	Part # 3:	Parts Disposition: No part available	Parts Shipping Destination: N/A
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**Repair Process**

The "PIM" wire was rerouted in the harness to reduce the tension on the connector. A wiggle test was performed on the harness and the vehicle was driven for 20 miles, to confirm the repair.



This is the skid control ECU with the connector unplugged.



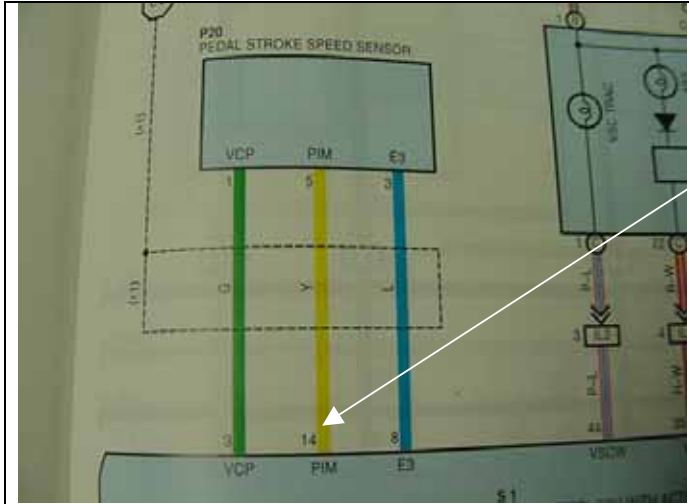
This is the yellow "PIM" wire that was routed too tightly in the harness.



# FIELD TECHNICAL REPORT



TQCN DOC# FTR-JUA231031	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 20707-1	Date 11/7/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 04-2003	Odometer 10269 mi	VIN (confirm 17 characters): 5TDBT48A93S [REDACTED]	
Condition Title DTC C1247 & C1223 - PIM Wire						



This is the yellow PIM wire that was going open at times.

Place Picture #2 here

Attachment 1: PRCS

TQCN DOC# FTR-JUA231031	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 20707-1	Date 11/7/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 04-2003	Odometer 10269 mi	VIN (confirm 17 characters): 5TDBT48A93S [REDACTED]	
Condition Title DTC C1247 & C1223 - PIM Wire						

Attachment 1 : Parts Recovery Control Sheet

Ship all parts to TMS – Parts Return Center. Do not type in SHADED fields  
If the **Final Destination** field below is “scrap”, properly dispose of the part.

<b>Final Destination:</b>	N/A	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>		Deliver to:		住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan		Attn:		宛先 :		
		Tel:		Tel :		
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>						<b>FOR CUSTOMS USE:</b> Used Parts Value
<b>1</b>	<b>Part # 1:</b> N/A	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00		
	Comments:					
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00		
	Comments:					
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00		
	Comments:					
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
	Comments:					
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
	Comments:					
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
	Comments:					
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
	Comments:					
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
	Comments:					

**FIELD TECHNICAL REPORT**



TQCN DOC# <b>FTR-7VA232131</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-LA	Ref 19228-1	Date 11/19/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 04-2003	Odometer 40 mi	VIN (confirm 17 characters): 5TDZT34A23S [REDACTED]	
Condition Title Skid Control ECU - DTC C1310						

**Do not type in YELLOW shaded fields - Input data from Web page or RDM:**

Repair Date 10/23/03	Optional Ref.	Optional Approval
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**Condition Description**

Vehicle Trac/VSC Lights are illuminated during normal driving. DTC C1310 present at all times. Attempts to cancel code had no effect.

**Diagnostic Steps:**

FTS verified that there were no circuit or loose pin connection concerns with circuits. The Technician had already replaced the Active Brake Booster. This did not resolve the issue.

**Probable Cause**

Internal open or short circuit in the Skid Control ECU.

Part # 1: 895410C061	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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**Repair Process**

Install new Skid Control ECU.



Attachment 1: PRCS



FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-7VA232131</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-LA	Ref 19228-1	Date 11/19/03
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 04-2003	Odometer 40 mi	VIN (confirm 17 characters): 5TDZT34A23S [REDACTED]	
Condition Title Skid Control ECU - DTC C1310						

Attachment 1: **Parts Recovery Control Sheet**

Do not type in SHADED fields. If the **Final Destination** field below is "scrap", properly dispose of the part.

Orig Tracking

VIN

Doc No.



<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:		住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Attn:		宛先 :		
	Tel:		Tel :		
T-STAR					
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer					FOR CUSTOMS USE: Used Parts Value
<b>1</b>	Part # 1: 895410C061 Comments:	Part Description COMPUTER, SKID CONTROL	Qty. 1	Used Part Value \$ 266 .00	
<b>2</b>	Part # 2: Comments:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
<b>3</b>	Part # 3: Comments:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
<b>4</b>	Part # 4: Comments:	Part Description	Qty.	Used Part Value \$ .00	
<b>5</b>	Part # 5: Comments:	Part Description	Qty.	Used Part Value \$ .00	
<b>6</b>	Part # 6: Comments:	Part Description	Qty.	Used Part Value \$ .00	
<b>7</b>	Part # 7: Comments:	Part Description	Qty.	Used Part Value \$ .00	
<b>8</b>	Part # 8: Comments:	Part Description	Qty.	Used Part Value \$ .00	

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR TEMPLATE</b>	Affiliate	Dept.	Source	Location 51001	Ref	Date 2/9/2004
Problem Area	Primary Model Sequoia	Model Year 2003	Production Date 12/2002	Odometer 11278	VIN (confirm 17 characters): 5TDBT48A93S [REDACTED]	
Condition Title MIL "ON" C1223 & C1247						

Do not type in **YELLOW** shaded fields - Input data from Web page or RDM:

Repair Date 1/12/2004	Optional Ref. 04TR/05	Optional Approval
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Condition Description

"RED" brake warning lamp illuminates intermittently.

Diagnostic Steps:

Check brake reservoir fluid level & parking brake switch to be good. Found ABS codes C1223 & C1247 stored in memory. Concern happens very intermittently. Checked for code C1247 according to R.M. Checked circuit and connectors to be good. Wiggle tested. Replaced Skid ECU from 89541-0C060 to 89541-0C062. Performed Calibration per TSB BR003-03. Road tested until red brake lamp illuminated when applying brakes while parking on a hill with the nose up. The same codes re-occurred and noticed inaccurate freeze frame data. Data list showed speed of 40 mph and other data listed below. This same freeze frame data can be duplicated by unplugging the 3 wire pedal stroke sensor even without driving. Freeze frame data is misleading if trying to duplicating the concern under the same conditions. Replaced Brake Booster & road test to be good.

Probable Cause

Pedal stroke speed sensor malfunction.

Part # 1: 44610-0C040	Part # 2:	Part # 3:	Parts Disposition:	Parts Shipping Destination:
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Repair Process

Replace brake booster assy.



Code C1247: FREEZE FRAME DATA LIST

Stop light switch	ON
VSC/TRC OFF switch	OFF
System	NO SYS
#IG ON	0
SPD	40 mph
Steering Angle	18 deg
Master cyl press	0.52 v
Pedal Stroke	1.44 v
Master Press Grade	-3 MP a/s
Stroke Grade	0 mm/s
G (R & L)	0.002 G
G (Back & Forth)	-0.05 G
Speed grade	0.00 G

Brake booster assy.  
ABS with EBD & BA & TRAC & VSC System

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR TEMPLATE</b>	Affiliate	Dept.	Source	Location 51001	Ref	Date 2/9/2004
Problem Area	Primary Model Sequoia	Model Year 2003	Production Date 12/2002	Odometer 11278	VIN (confirm 17 characters): 5TDBT48A93S [REDACTED]	
Condition Title MIL "ON" C1223 & C1247						

Attachment 1: **Parts Recovery Control Sheet**

Orig Tracking  
VIN  
Doc No.

Do not type in SHADED fields. If the **Final Destination** field below is "scrap", properly dispose of the part.

<b>Final Destination:</b>	SETR#:	CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b> North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Deliver to:  Attn:  Tel:	住所 :  宛先 :  Tel :	
T-STAR			
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer			FOR CUSTOMS USE: Used Parts Value
<b>1</b>	<b>Part # 1:</b>	<b>Part Description</b>	<b>Qty. Used Part Value</b> \$ .00
Comments:			
<b>2</b>	<b>Part # 2:</b>	<b>Part Description</b>	<b>Qty. Used Part Value</b> \$ .00
Comments:			
<b>3</b>	<b>Part # 3:</b>	<b>Part Description</b>	<b>Qty. Used Part Value</b> \$ .00
Comments:			
<b>4</b>	<b>Part # 4:</b>	<b>Part Description</b>	<b>Qty. Used Part Value</b> \$ .00
Comments:			
<b>5</b>	<b>Part # 5:</b>	<b>Part Description</b>	<b>Qty. Used Part Value</b> \$ .00
Comments:			
<b>6</b>	<b>Part # 6:</b>	<b>Part Description</b>	<b>Qty. Used Part Value</b> \$ .00
Comments:			
<b>7</b>	<b>Part # 7:</b>	<b>Part Description</b>	<b>Qty. Used Part Value</b> \$ .00
Comments:			
<b>8</b>	<b>Part # 8:</b>	<b>Part Description</b>	<b>Qty. Used Part Value</b> \$ .00
Comments:			

**FIELD TECHNICAL REPORT**



TQCN DOC# <b>FTR-5BA211741</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SF	Ref 22291-1	Date 4/27/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 02-2003	Odometer 7041 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title Brake warning lamp would turn on intermittently.						

**Do not type in YELLOW shaded fields - Input data from Web page or RDM:**

Repair Date 4/15/2004	Optional Ref.	Optional Approval
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**Condition Description**

Brake warning lamp turns ON intermittently. Lamp will stay on until ignition key is cycled OFF. Translate and Skid Control ECU's have been replaced.

**Diagnostic Steps:**

Found codes C1223 and C1247 in Skid Control ECU memory. Created a Techview file with DTC's, freeze-frame, and snapshots. The pedal stroke sensor activity of this vehicle and a known good vehicle were captured and compared. Discovered sensor activity to differ when the brake pedal was released. On the known good vehicle, the sensor would fall below the threshold value for < 400mS. On the customer's vehicle, the sensor would fall below the threshold value for > 400mS (possibly for 500mS). The maximum period of time the ECU will allow the voltage to be below threshold is 500mS before storing a DTC.

**Probable Cause**

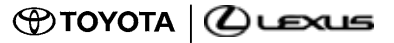
Faulty pedal stroke sensor.

Part # 1: 446100C040	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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**Repair Process**



# FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-5BA211741</b>		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SF	Ref 22291-1	Date 4/27/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 02-2003	Odometer 7041 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]		
Condition Title Brake warning lamp would turn on intermittently.							

 Gonzales.evn	 2004 Sequoia.evn
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-5BA211741</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SF	Ref 22291-1	Date 4/27/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 02-2003	Odometer 7041 mi	VIN (confirm 17 characters): 5TDZT34A93S [REDACTED]	
Condition Title Brake warning lamp would turn on intermittently.						

Attachment 1: Parts Recovery Control Sheet

Do not type in SHADED fields. If the Final Destination field below is "scrap", properly dispose of the part.

Orig Tracking

VIN

Doc No.



<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:		住所 :		
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Attn:		宛先 :		
	Tel:		Tel :		
T-STAR					
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer					FOR CUSTOMS USE: Used Parts Value
<b>1</b>	Part # 1: 446100C040	Part Description BOOSTER ASSY, BRAKE	Qty. 1	Used Part Value \$ 103 .00	
	Comments:				
<b>2</b>	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
	Comments:				
<b>3</b>	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
	Comments:				
<b>4</b>	Part # 4:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				
<b>5</b>	Part # 5:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				
<b>6</b>	Part # 6:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				
<b>7</b>	Part # 7:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				
<b>8</b>	Part # 8:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				

**FIELD TECHNICAL REPORT**



TQCN DOC# <b>FTR-5YA212841A</b>		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 22367-1	Date 5/11/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 02-2003	Odometer 13376 mi	VIN (confirm 17 characters): 5TDZT34A23S [REDACTED]		
Condition Title Sequoia contaminated rear wheel ABS sensors							

**Do not type in YELLOW shaded fields - Input data from Web page or RDM:**

Repair Date 02/17/04	Optional Ref.	Optional Approval
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**Condition Description**

FTS was inspecting this vehicle as a final repair attempt for VSC/TRAC light on. No abnormal conditions with the VSC/TRAC system were observed during this inspection. FTS inspected the wheel speed sensors as a precautionary measure as we have seen contaminated wheel speed sensors cause VSC/TRAC concerns in the past.

**Diagnostic Steps:**

The vehicle was not malfunctioning at the time, but the rear wheel ABS speed sensors were found to be contaminated with what appeared to be rust and grease. The right rear reluctor wheel was found to be rusted.

**Probable Cause**

The cause of the corrosion and rust is unknown.

Part # 1: 4351734010	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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**Repair Process**

The wheel speed sensors were cleaned and both reluctor wheels replaced.

	<p>Rusted right rear reluctor wheel</p>
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FIELD TECHNICAL REPORT

TQCN DOC# <b>FTR-5YA212841A</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 22367-1	Date 5/11/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 02-2003	Odometer 13376 mi	VIN (confirm 17 characters): 5TDZT34A23S [REDACTED]	
Condition Title Sequoia contaminated rear wheel ABS sensors						



Debris on right rear wheel speed sensor



Left rear reluctor (no rust )



Debris found on the left rear speed sensor

Attachment 1: PRCS



FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-5YA212841A</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 22367-1	Date 5/11/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 02-2003	Odometer 13376 mi	VIN (confirm 17 characters): 5TDZT34A23S [REDACTED]	
Condition Title Sequoia contaminated rear wheel ABS sensors						

Attachment 1: Parts Recovery Control Sheet

Do not type in SHADED fields. If the Final Destination field below is "scrap", properly dispose of the part.

Orig Tracking

VIN

Doc No.



<b>Final Destination:</b> TMMNA	SETR#:	CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b> North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Deliver to:  Attn:  Tel:	住所 :  宛先 :  Tel :	

T-STAR		
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Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer

FOR CUSTOMS USE:  
Used Parts Value

	Part #	Part Description	Qty.	Used Part Value
1	4351734010	ROTOR, SKID CONTROL, RR	2	\$ 1.00
Comments:				
2			0	\$ 0.00
Comments:				
3			0	\$ 0.00
Comments:				
4				\$ .00
Comments:				
5				\$ .00
Comments:				
6				\$ .00
Comments:				
7				\$ .00
Comments:				
8				\$ .00
Comments:				

# FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-9DA216141</b>	Affiliate TCI	Dept. QA-Chassis	Source IDS	Location TCI-TOR	Ref 19744-1	Date 6/10/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 03-2003	Odometer 30810 km	VIN (confirm 17 characters): 5TDBT48A03S [REDACTED]	

Condition Title  
Brake Pedal Stroke Sensor Malfunction, DTC C1247

**Do not type in YELLOW shaded fields - Input data from Web page or RDM:**

Repair Date 2004-06-08	Optional Ref.	Optional Approval
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### Condition Description

- **Brake (!)** warning lamp turns "ON" intermittently.
- Lamp will stay on until ignition key is cycled OFF.

### Diagnostic Steps:

- Check for codes, found codes C1203, C1223 and C1247 in skid control ECU.
- Monitor the pedal stroke sensor voltage using TDT and tech view, no abnormality was found.

### Repair history:

- Translate and Skid Control ECUs have been replaced.

### Probable Cause

- Faulty pedal stroke sensor.

Part # 1: 446100C040	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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### Repair Process

- Replace brake booster assembly.

## Diagnostic Trouble Codes

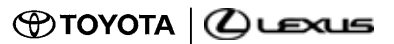
DTC Type: Current DTCs

OBD Mode: MOBD


Num...	ECU/Sy...	Description
C1203	ABS/VSC	Engine control system communication circuit malfunction
C1223	ABS/VSC	Malfunction in ABS control system
<b>C1247</b>	<b>ABS/VSC</b>	<b>Malfunction in stroke sensor</b>

DTCs stored in the  
ABS/VSC ECU

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-9DA216141</b>	Affiliate TCI	Dept. QA-Chassis	Source IDS	Location TCI-TOR	Ref 19744-1	Date 6/10/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 03-2003	Odometer 30810 km	VIN (confirm 17 characters): 5TDBT48A03S [REDACTED]	

Parameter	Value	Units	
TROUBLE CODE	C1247		FFD of the DTC C1247.
STOP LIGHT SW	OFF		
VSC/TRC OFF SW	OFF		
SYSTEM	NO SYS		
# IG ON	0		
VEHICLE SPD	85	km/h	
STEERING ANG	-27	deg	
YAW RATE	-7	deg/s	
MAS CYL PRESS	0.52	V	
PEDAL STROKE	1.52	V	
MAS PRESS GRADE	-7	MPa/s	
STROKE GRADE	-20	mm/s	
G (RIGHT&LEFT)	-0.30	G	
G (BACK&FORTH)	-0.11	G	
SPD GRADE	-0.05	G	
 E:\My Documents\03 Sequoia C1247 @ 42:			← Tech View file

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-9DA216141</b>	Affiliate TCI	Dept. QA-Chassis	Source IDS	Location TCI-TOR	Ref 19744-1	Date 6/10/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 03-2003	Odometer 30810 km	VIN (confirm 17 characters): 5TDBT48A03S [REDACTED]	

Attachment 1: Parts Recovery Control Sheet

Do not type in SHADED fields. If the Final Destination field below is "scrap", properly dispose of the part.

Orig Tracking

VIN

Doc No.



<b>Final Destination:</b>	TMMNA	SETR#:		CQE Eng:	N/A	
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:		住所 :			
North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Attn:		宛先 :			
	Tel:		Tel :			
T-STAR						
<b>Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer</b>					<b>FOR CUSTOMS USE: Used Parts Value</b>	
<b>1</b>	<b>Part # 1:</b> 446100C040 Comments:	<b>Part Description</b> BOOSTER ASSY, BRAKE	<b>Qty.</b> 1	<b>Used Part Value</b> \$ 103 .00		
<b>2</b>	<b>Part # 2:</b> Comments:	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00		
<b>3</b>	<b>Part # 3:</b> Comments:	<b>Part Description</b>	<b>Qty.</b> 0	<b>Used Part Value</b> \$ 0 .00		
<b>4</b>	<b>Part # 4:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
<b>5</b>	<b>Part # 5:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
<b>6</b>	<b>Part # 6:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
<b>7</b>	<b>Part # 7:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		
<b>8</b>	<b>Part # 8:</b> Comments:	<b>Part Description</b>	<b>Qty.</b>	<b>Used Part Value</b> \$ .00		

**FIELD TECHNICAL REPORT**



TQCN DOC# <b>FTR-J2A220841</b>		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 22366-1	Date 7/27/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 08/02	Odometer 37205 mi	VIN (confirm 17 characters): 5TDZT34AX3S [REDACTED]		
Condition Title 2003 Sequoia Decel Sensor C1244							

**Do not type in YELLOW shaded fields - Input data from Web page or RDM:**

Repair Date 07-12-04	Optional Ref.	Optional Approval
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**Condition Description**

VSC and Trac MIL on codes C1223 and C1244.

**Diagnostic Steps:**

Inspect ABS/VSC data on scan tool. Follow trouble code diagnosis.

**Probable Cause**

Open circuit in deceleration sensor

Part # 1: 891800C020	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: TMMNA
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**Repair Process**

Replace Yaw/Decel sensor.



Sensor Label's

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-J2A220841</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-GST	Ref 22366-1	Date 7/27/2004
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 08/02	Odometer 37205 mi	VIN (confirm 17 characters): 5TDZT34AX3S [REDACTED]	
Condition Title 2003 Sequoia Decel Sensor C1244						

Attachment 1: Parts Recovery Control Sheet

Do not type in SHADED fields. If the Final Destination field below is "scrap", properly dispose of the part.

Orig Tracking

VIN

Doc No.



<b>Final Destination:</b> TMMNA	SETR#:	CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b> North America EDER Gr., Technical Dept. #1 Overseas Customer Service Technical Div. TOYOTA MOTOR CORPORATION Nisshin Education & Training Center 5-210, SAKAE, NISSHIN, AICH, 470-0113 Japan	Deliver to:  Attn:  Tel:	住所 :  宛先 :  Tel :	

T-STAR		
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Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer

FOR CUSTOMS USE:  
Used Parts Value

	Part #	Part Description	Qty.	Used Part Value
1	891800C020		1	\$ 0.00
Comments:				
2			0	\$ 0.00
Comments:				
3			0	\$ 0.00
Comments:				
4				\$ .00
Comments:				
5				\$ .00
Comments:				
6				\$ .00
Comments:				
7				\$ .00
Comments:				
8				\$ .00
Comments:				

**FIELD TECHNICAL REPORT**



TQCN DOC# <b>FTR-5BA214751</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-SF	Ref 27461-1	Date 6/3/2005
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 05-May-2003	Odometer 16326 mi	VIN (confirm 17 characters): 5TDBT48A13S [REDACTED]	
Condition Title Brake, ABS, TRAC and VSC warning lamps on intermittently.						

**Do not type in YELLOW shaded fields - Input data from Web page or RDM:**

Repair Date 13-MAY-2005	Optional Ref.	Optional Approval
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**Condition Description**

The Brake, ABS, TRAC, and VSC warning lamps illuminate intermittently.

**Diagnostic Steps:**

- Attempted to retrieve diagnostic codes from the Skid Control ECU and could not establish communication with the scan tool.
- Code 42 was retrieved manually.
- At times, communication could be established with the Skid Control ECU, and only code C1232 (Deceleration Sensor Malfunction) would be found.
- The vehicle had the updated Translate ECU installed (89630-0C011).
- The Skid Control ECU was replaced with a known good unit, and the condition was corrected.

**Probable Cause**

Unknown

Part # 1: 895410C061	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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**Repair Process**

Replaced Skid Control ECU (89541-0C062).



Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-5BA214751</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-SF	Ref 27461-1	Date 6/3/2005
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 05-May-2003	Odometer 16326 mi	VIN (confirm 17 characters): 5TDBT48A13S [REDACTED]	
Condition Title Brake, ABS, TRAC and VSC warning lamps on intermittently.						

Attachment 1: **Parts Recovery Control Sheet**

Do not type in SHADED fields. If the **Final Destination** field below is "scrap", properly dispose of the part.

Orig Tracking

VIN

Doc No.



<b>Final Destination:</b>	CQEC	SETR#:		CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:			住所 :	
Mr. N. Okumura, Chief Expert Quality Div. Warranty Parts Room TOYOTA MOTOR CORPORATION 1 Toyota, Toyota-city, Aichi, 471-8571 Japan	Attn:			宛先 :	
	Tel:			Tel :	
T-STAR					
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer					FOR CUSTOMS USE: Used Parts Value
<b>1</b>	Part # 1: 895410C061	Part Description COMPUTER, SKID CONTROL	Qty. 1	Used Part Value \$ 266 .00	
	Comments:				
<b>2</b>	Part # 2:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
	Comments:				
<b>3</b>	Part # 3:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
	Comments:				
<b>4</b>	Part # 4:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				
<b>5</b>	Part # 5:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				
<b>6</b>	Part # 6:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				
<b>7</b>	Part # 7:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				
<b>8</b>	Part # 8:	Part Description	Qty.	Used Part Value \$ .00	
	Comments:				



FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-J3A215751</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-GST	Ref 27527-1	Date 6/7/2005
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 17-Jan-2003	Odometer 37657 mi	VIN (confirm 17 characters): 5TDBT48AX3S [REDACTED]	
Condition Title Brake Light						

Do not type in YELLOW shaded fields - Input data from Web page or RDM:

Repair Date 25-MAY-2005	Optional Ref.	Optional Approval
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Condition Description

Customer states the "BRAKE" light comes on when driving.

Diagnostic Steps:

- At the time of technician inspection the key had not been cycled "OFF" and code C1247 was found stored in the VSC system. The Freeze Frame Data for code C1247 is attached to the Repair Order below.
- The key was cycled "OFF" and the VSC code could did not return.
- The Yellow stroke sensor wire at the ABS Actuator S1 connector Pin#14 was inspected finding a tight wire tension, pulling on the wire and denting the wire covering.

Probable Cause

Unknown

Part # 1: 472000C060	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

- The brake booster was replaced.
- The tension at S1 connector pin# 14 was released and the pin fit for both ends of the pedal stroke sensor Yellow wire were tightened.





Freeze Frame Data for Code C1247

```

TROUBLE CODE.....C1247
STOP LIGHT SW.....ON
VSC/TRC OFF SW.....OFF
SYSTEM.....NO SYS
# IG ON.....0
VEHICLE SPD.....6MPH
STEERING ANG.....18deg
YAW RATE.....0deg/s
MAS CYL PRESS.....0.54V
PEDAL STROKE.....1.36V
MAS PRESS GRADE...-2MPa/S
STROKE GRADE.....0mm/s
G (RIGHT&LEFT).....0.01G
G (BACK&FORTH).....-0.07G
SPD GRA.....-0.7G
    
```

FIELD TECHNICAL REPORT

TQCN DOC# <b>FTR-J3A215751</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-GST	Ref 27527-1	Date 6/7/2005
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 17-Jan-2003	Odometer 37657 mi	VIN (confirm 17 characters): 5TDBT48AX3S [REDACTED]	
Condition Title Brake Light						

	
<p>Brake Booster Part# 47200-0C060</p>	<p>47200-0C060 26.7859-0801.4  2092685908010143111432</p>

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# <b>FTR-J3A215751</b>	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-GST	Ref 27527-1	Date 6/7/2005
Problem Area Base Vehicle	Primary Model Sequoia	Model Year 2003	Production Date 17-Jan-2003	Odometer 37657 mi	VIN (confirm 17 characters): 5TDBT48AX3S [REDACTED]	
Condition Title Brake Light						

Attachment 1: Parts Recovery Control Sheet

Do not type in SHADED fields. If the Final Destination field below is "scrap", properly dispose of the part.

Orig Tracking

VIN

Doc No.



<b>Final Destination:</b>	CQEC	SETR#:		CQE Eng:	N/A
<b>Importer: (Applies to TMC Shipments Only)</b>	Deliver to:			住所 :	
Mr. N. Okumura, Chief Expert Quality Div. Warranty Parts Room TOYOTA MOTOR CORPORATION 1 Toyota, Toyota-city, Aichi, 471-8571 Japan	Attn:			宛先 :	
	Tel:			Tel :	
T-STAR					
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer					FOR CUSTOMS USE: Used Parts Value
<b>1</b>	Part # 1: 472000C060 Comments:	Part Description	Qty. 1	Used Part Value \$ 0 .00	
<b>2</b>	Part # 2: Comments:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
<b>3</b>	Part # 3: Comments:	Part Description	Qty. 0	Used Part Value \$ 0 .00	
<b>4</b>	Part # 4: Comments:	Part Description	Qty.	Used Part Value \$ .00	
<b>5</b>	Part # 5: Comments:	Part Description	Qty.	Used Part Value \$ .00	
<b>6</b>	Part # 6: Comments:	Part Description	Qty.	Used Part Value \$ .00	
<b>7</b>	Part # 7: Comments:	Part Description	Qty.	Used Part Value \$ .00	
<b>8</b>	Part # 8: Comments:	Part Description	Qty.	Used Part Value \$ .00	

**FIELD TECHNICAL REPORT**



TQCN DOC# TQCN_FTR-092010097		Affiliate TMS	Dept. QAChassis		Ref 80273555	Date 07/21/2009
Primary Model Sequoia	Model Year 2003	Production Date 2002-12-20	Odometer 84724	VIN 5TDBT48A93S	Repair Date 7/20/2009	
Source FTS	Location REG-CIN	Problem Area Base Vehicle	Parts Destination 2710	DTC C1223,C1231,C1247,C1360		
Part # 1 895410C062	Part # 1 Serial/Date Code		Part # 2	Part # 2 Serial/Date Code		Parts Available Part(s) Available
Condition Title Vsc/Trac light on C1223,C1231,C1247,C1360.						

**Condition Description**

Customer states the Vsc/Trac light is on and vehicle makes unusual sound while driving.

**Diagnostic Steps**

The technician found codes C1223, C1231, C1247, C1360.

**Probable Cause**

Cause unknown at this time.

**Repair Process**

The technician replaced the skid control ecu.

No photos available

FIELD TECHNICAL REPORT



TQCN DOC# TQCN_FTR-092010097		Condition Title Vsc/Trac light on C1223,C1231,C1247,C1360.			Date 07/21/2009
Primary Model Sequoia	Model Year 2003	Production Date 2002-12-20	Odometer 84724	VIN (confirm 17 chara 5TDBT48A93S [REDACTED])	

Orig Tracking

VIN



Doc No.



Attachment 1: **Parts Recovery Control Sheet**

Do not type in SHADED fields. If the Final Destination field below is "scrap", properly dispose of the part.

<b>Final Destination:</b> 2710	<b>SETR#:</b>	<b>CQE Eng:</b> N/A
<b>Importer: (Applies to TMC Shipments Only)</b>  Mr. N. Okumura, Chief Expert Quality Div. Warranty Parts Room TOYOTA MOTOR CORPORATION 1 Toyota, Toyota-city, Aichi, 471-8571 Japan	<b>Deliver to:</b>  <b>Attn:</b>  <b>Tel:</b>	<b>Tel:</b>
T-STAR		
Note: If this FTR contains more than one VIN, create a table in the report containing VIN, production date, and odometer		FOR CUSTOMS USE: Used Parts Value

	Part # 1:	Part Description	Qty.	Used Part Value Each
<b>1</b>	895410C062	COMPUTER, SKID CONTROL	1	\$ 201.44
	Serial No. / Date Code		Comments:	
<b>2</b>	Part # 2:	Part Description	Qty.	Used Part Value Each
	Serial No. / Date Code		Comments:	
<b>3</b>	Part # 3:	Part Description	Qty.	Used Part Value Each
	Serial No. / Date Code		Comments:	
<b>4</b>	Part # 4:	Part Description	Qty.	Used Part Value Each
	Serial No. / Date Code		Comments:	
<b>5</b>	Part # 5:	Part Description	Qty.	Used Part Value Each
	Serial No. / Date Code		Comments:	
<b>6</b>	Part # 6:	Part Description	Qty.	Used Part Value Each
	Serial No. / Date Code		Comments:	
<b>7</b>	Part # 7:	Part Description	Qty.	Used Part Value Each
	Serial No. / Date Code		Comments:	