

FIELD TECHNICAL REPORT



TQCN DOC# FTR-JR1116141		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 20787-1	Date 6/14/2004
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 11-2002	Odometer 19492 mi	VIN (confirm 17 characters): 5TBBT441 [REDACTED]		
Condition Title LEFT FRONT WHEEL BALL JOINT							

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

Repair Date	Optional Ref.	Optional Approval
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Condition Description

Customer states while driving the left front wheel came loose and skidded to a stop. Left front wheel assembly appears to have separated from suspension at the upper and lower ball joint sockets.

Diagnostic Steps:

Dealership and D.S.P.M. indicate there is no indication of off road use such as mud, unusual amounts of dirt or bent or scrapped components under vehicle. It appears the upper and lower control arm ball joints separated ball from socket. Unable to determine which separated first.

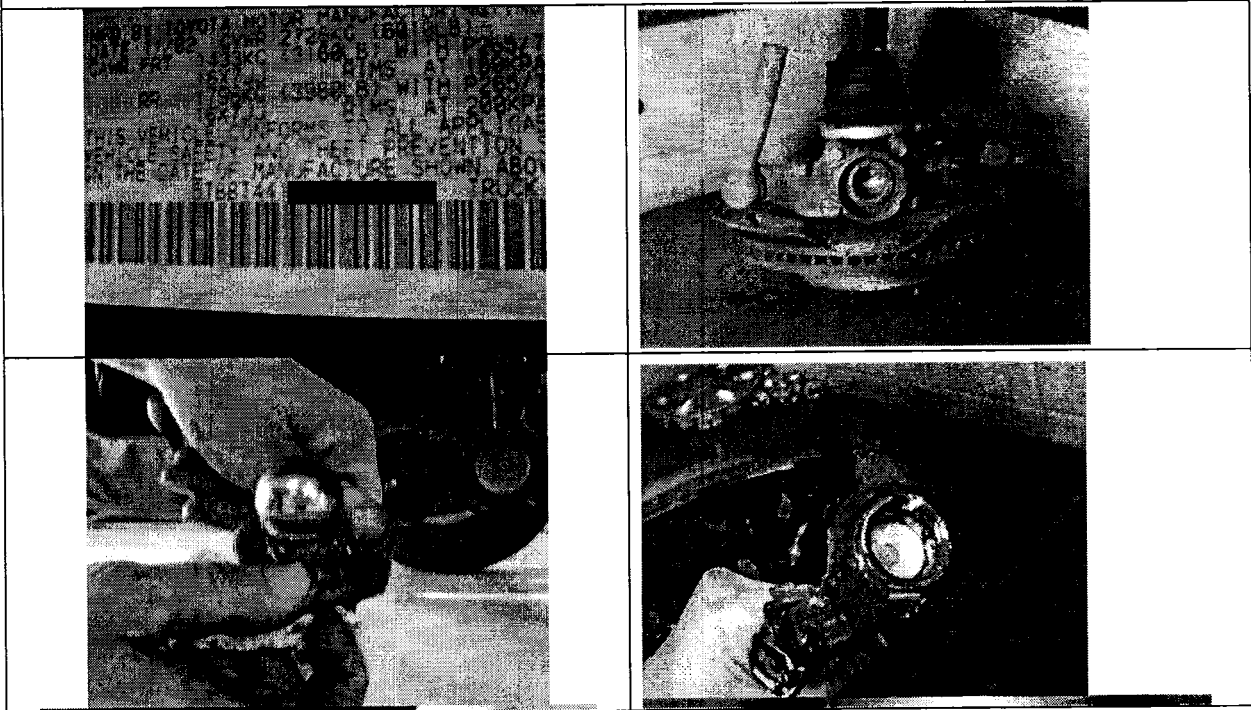
Probable Cause

Unknown by this writer.

Part # 1: 4334039485	Part # 2: 4331039016	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: 2307
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Repair Process

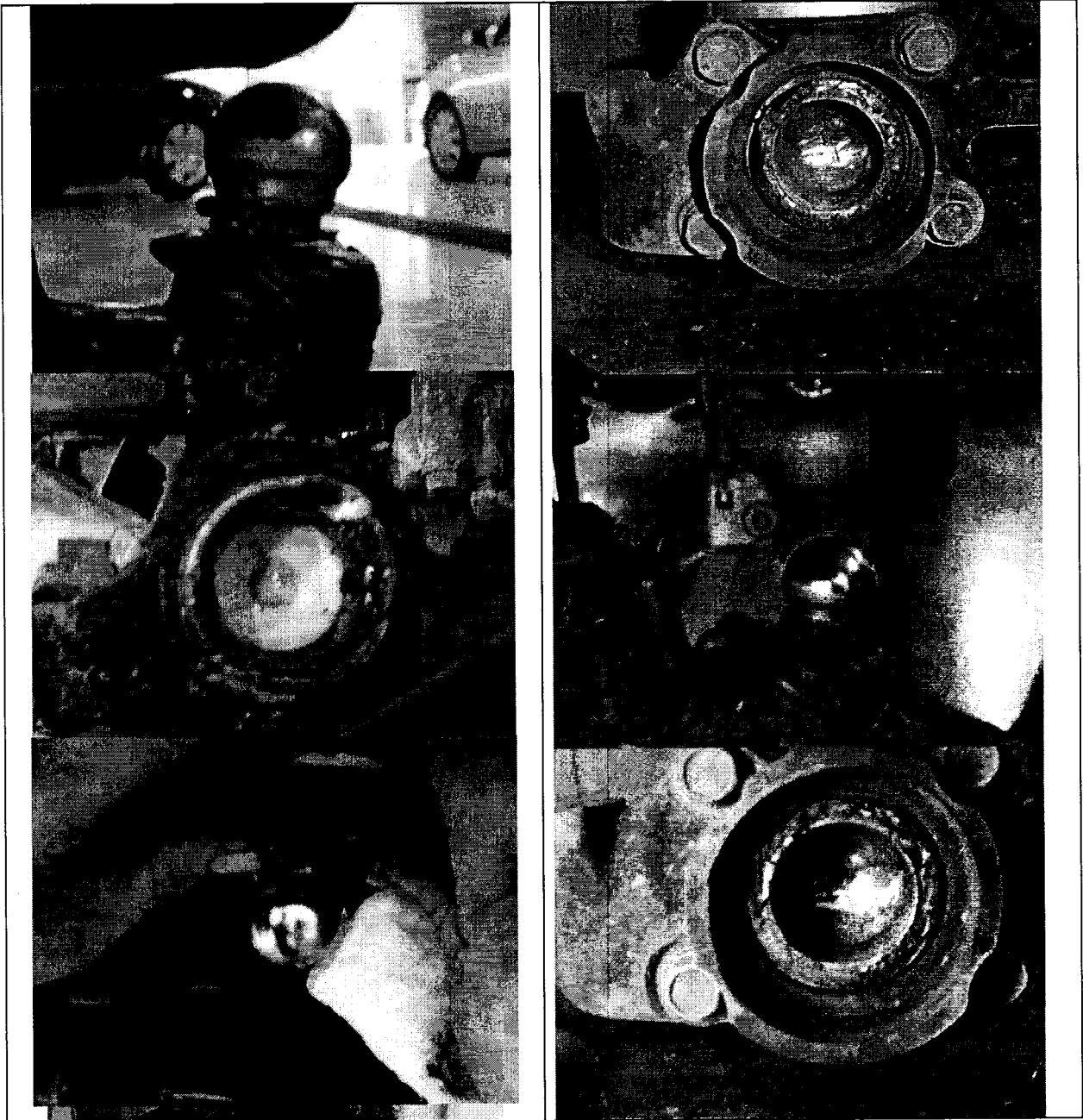
Lower and upper ball joints and associated and damaged parts replaced with new components.



FIELD TECHNICAL REPORT



TQCN DOC# FTR-JR1116141		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 20787-1	Date 6/14/2004
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 11-2002	Odometer 19492 mi	VIN (confirm 17 characters): 5TBBT441 [REDACTED]		
Condition Title LEFT FRONT WHEEL BALL JOINT							



FIELD TECHNICAL REPORT



TQCN DOC# FTR-JR1116141	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 20787-1	Date 6/14/2004
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 11-2002	Odometer 19492 mi	VIN (confirm 17 characters): 5TBBT4414 [REDACTED]	
Condition Title LEFT FRONT WHEEL BALL JOINT						

<p>LEFT FRONT WHEEL DAMAGE</p>	<p>BODY DAMAGE</p>

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-JR1116141	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-CIN	Ref 20787-1	Date 6/14/2004
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 11-2002	Odometer 19492 mi	VIN (confirm 17 characters): 5TBBT44143 [REDACTED]	
Condition Title LEFT FRONT WHEEL BALL JOINT						

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.

Final Destination: 2307		SETR#:	CQE Eng:	N/A
Importer: (Applies to TMC Shipments Only)		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
1	Part # 1: 4334039485 Comments:	Part Description: JOINT ASSY, LWR BALL W/KNUCKLE ARM, LH	Qty. 1	Used Part Value \$ 14.00
2	Part # 2: 4331039016 Comments:	Part Description: JOINT ASSY,FR UPR BALL	Qty. 1	Used Part Value \$ 5.00
3	Part # 3: Comments:	Part Description:	Qty. 0	Used Part Value \$ 0.00
4	Part # 4: Comments:	Part Description:	Qty.	Used Part Value \$.00
5	Part # 5: Comments:	Part Description:	Qty.	Used Part Value \$.00
6	Part # 6: Comments:	Part Description:	Qty.	Used Part Value \$.00
7	Part # 7: Comments:	Part Description:	Qty.	Used Part Value \$.00
8	Part # 8: Comments:	Part Description:	Qty.	Used Part Value \$.00

FIELD TECHNICAL REPORT



TQCN DOC# FTR-SA1125851A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location Servco	Ref 28823-1	Date 9/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 07-Nov-2003	Odometer 35299 mi	VIN (confirm 17 characters): 5TBET341 [REDACTED]	
Condition Title Lower Ball Joint						

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

Repair Date 13-SEP-2005	Optional Ref. 05TR/74	Optional Approval
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Condition Description

Customer heard squeaking noise from the front end accompanied by increased steering effort. When turning left into a parking lot, left front corner of vehicle dropped suddenly.

Diagnostic Steps:

Found left front of vehicle dropped onto wheel. Inspect suspension components and found left lower ball joint stud separated from socket. Ball socket heavily scored and enlarged to the point where the ball stud was able to separate.

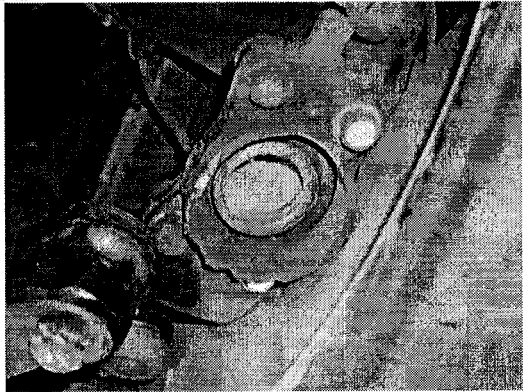
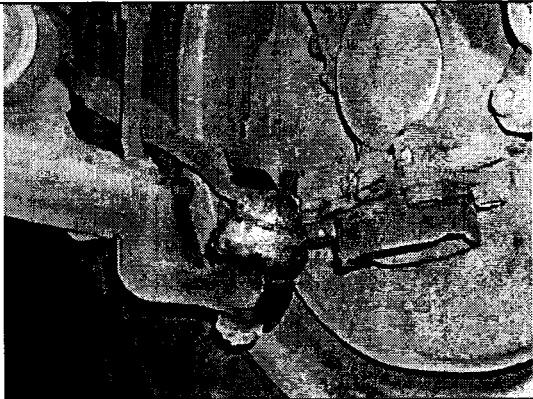
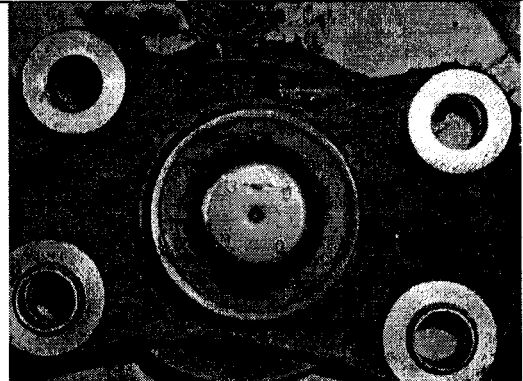
Probable Cause

Unknown at this time

Part # 1: 4334039515	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

Replace lower ball joint.

	
	<p>Production Lot No. 39 30 (9/30/2003)</p>

Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQC# DOC# FTR-SA1125851A		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location Servco	Ref 28823-1	Date 9/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 07-Nov-2003	Odometer 35299 mi	VIN (confirm 17 characters): 5TBET341 [REDACTED]		
Condition Title Lower Ball Joint							

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.

Final Destination: CQEC		SETR#:	CQE Eng:	N/A
Importer: (Applies to TMC Shipments Only)		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
Part #	Part Description	Qty.	Used Part Value	
1	4334039515 JOINT ASSY, LWR BALL W/ KNUCKLE ARM, LH Comments:	1	\$ 15.00	
2	Part # 2: Comments:	0	\$ 0.00	
3	Part # 3: Comments:	0	\$ 0.00	
4	Part # 4: Comments:		\$.00	
5	Part # 5: Comments:		\$.00	
6	Part # 6: Comments:		\$.00	
7	Part # 7: Comments:		\$.00	
8	Part # 8: Comments:		\$.00	

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN3217 [REDACTED]	
Condition Title Lower Ball Joint Separation						

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

Repair Date 3/2/05	Optional Ref.	Optional Approval
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Condition Description

The customer states the lower ball joint separated.

Diagnostic Steps:

Examined the vehicle.

Probable Cause

Found the ball joint had evidence of dirt entering the socket area. The grease mixed with dirt caused sufficient abrasion to wear the ball and socket enough that the joint separated. This is the third vehicle examined with this condition.

Part # 1: 4333039605	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

Replaced the ball joint assembly and other parts related to the concern.



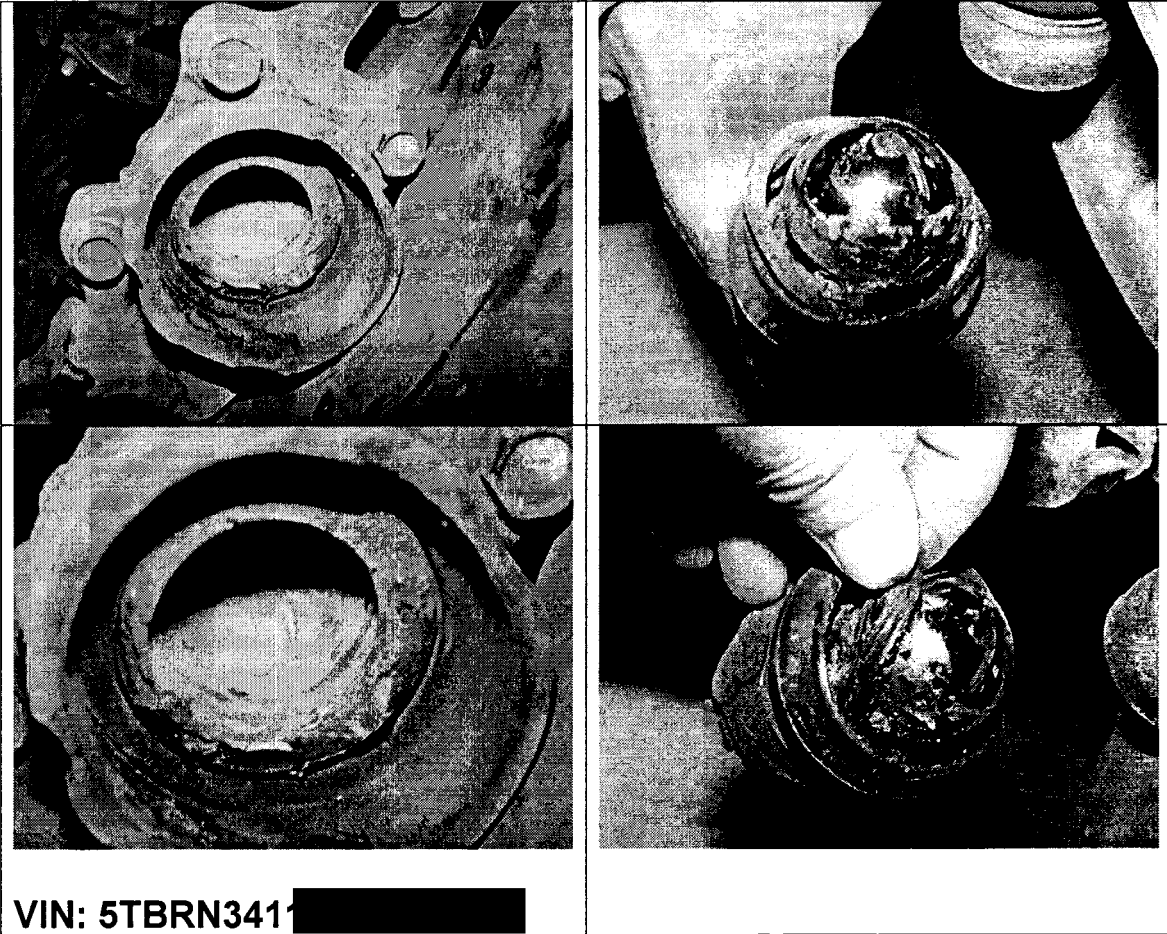
Three VINs with this condition:

<u>VIN</u>	<u>Miles</u>	<u>Dealer Code</u>
5TBJN32173 [REDACTED]	48,073	09159
5TBKT4416Y [REDACTED]	113,675	09149
5TBRN34112 [REDACTED]	102,744	09206

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN321 [REDACTED]	
Condition Title Lower Ball Joint Separation						



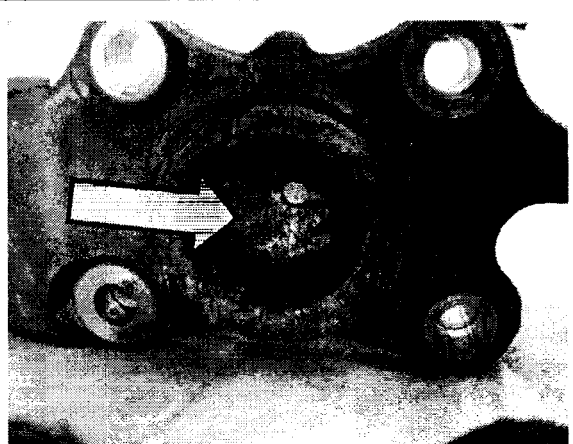
VIN: 5TBRN341 [REDACTED]

FIELD TECHNICAL REPORT

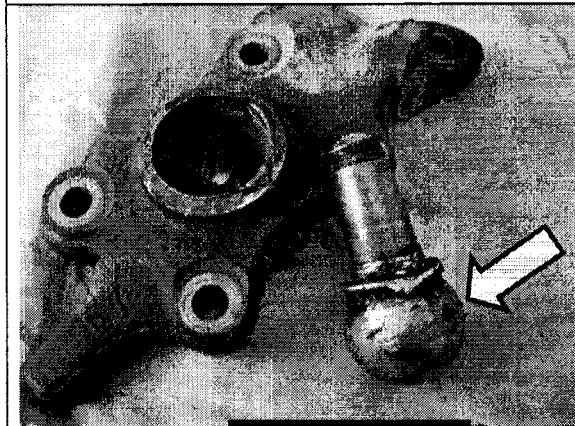
TQCN DOC# FTR-5V1110951A		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN321 [REDACTED]		
Condition Title Lower Ball Joint Separation							



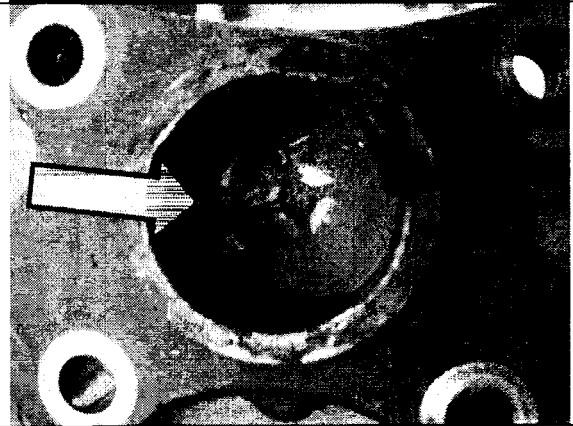
Note the wear marks on the ball.
VIN: 5TBJN3217 [REDACTED]



The socket shows the presence of contamination.



VIN: 5TBKT44 [REDACTED]



FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN32173 [REDACTED]	
Condition Title Lower Ball Joint Separation						

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.



Final Destination: CQEC	SETR#:	CQE Eng: N/A
Importer: (Applies to TMC Shipments Only) 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
1	Part # 1: 4333039605 Part Description: JOINT ASSY, LWR BALL W/KNUCKLE ARM, RH Comments:	Qty. Used Part Value 2 \$ 14.00
2	Part # 2: Part Description: Comments:	Qty. Used Part Value 0 \$ 0.00
3	Part # 3: Part Description: Comments:	Qty. Used Part Value 0 \$ 0.00
4	Part # 4: Part Description: Comments:	Qty. Used Part Value \$.00
5	Part # 5: Part Description: Comments:	Qty. Used Part Value \$.00
6	Part # 6: Part Description: Comments:	Qty. Used Part Value \$.00
7	Part # 7: Part Description: Comments:	Qty. Used Part Value \$.00
8	Part # 8: Part Description: Comments:	Qty. Used Part Value \$.00

FIELD TECHNICAL REPORT

TQCN DOC# FTR-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters) 5TBJN3217 [REDACTED]	
Condition Title Lower Ball Joint Separation						

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN3217 [REDACTED]	
Condition Title Lower Ball Joint Separation						

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

Repair Date 3/2/05	Optional Ref.	Optional Approval
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Condition Description

The customer states the lower ball joint separated.

Diagnostic Steps:

Examined the vehicle.

Probable Cause

Found the ball joint had evidence of dirt entering the socket area. The grease mixed with dirt caused sufficient abrasion to wear the ball and socket enough that the joint separated. This is the third vehicle examined with this condition.

Part # 1: 4333039605	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

Replaced the ball joint assembly and other parts related to the concern.



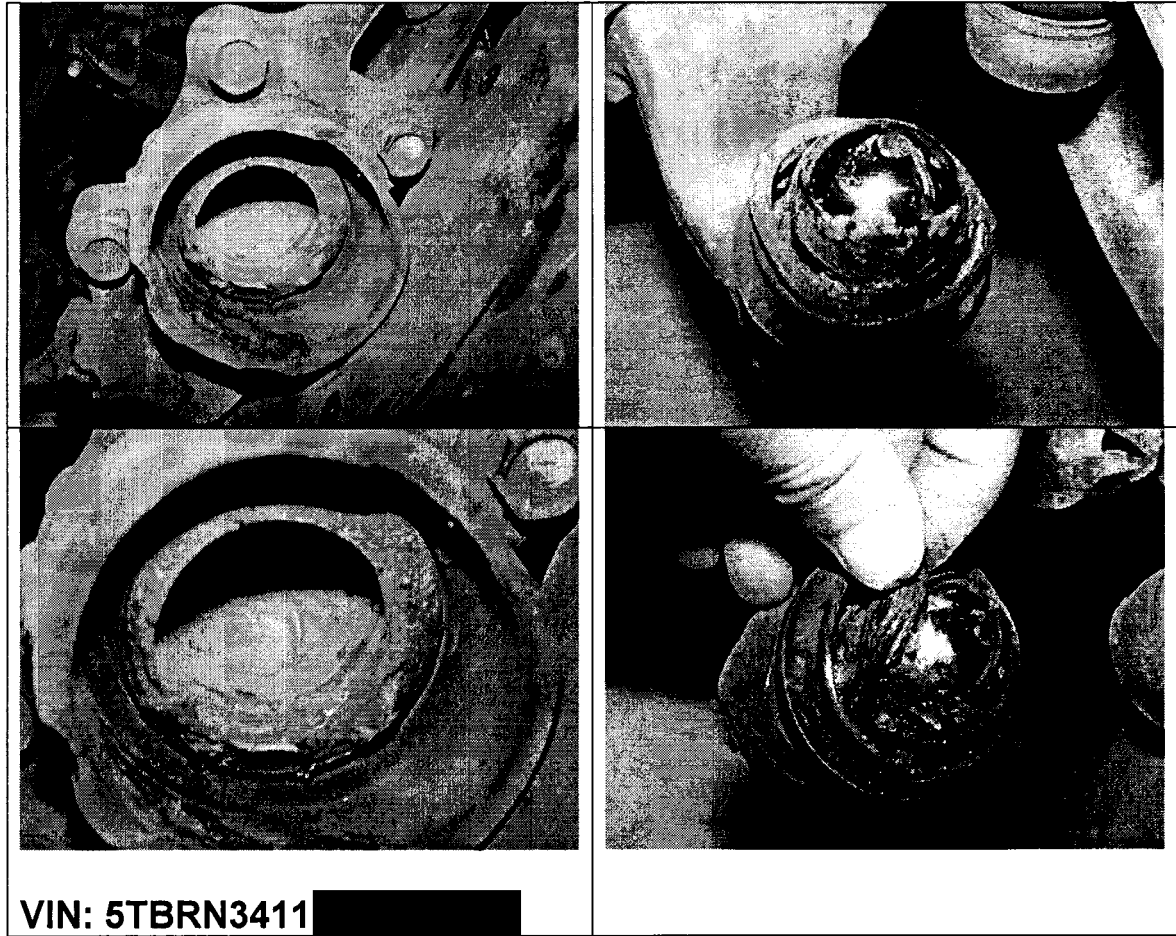
Three VINs with this condition:

<u>VIN</u>	<u>Miles</u>	<u>Dealer Code</u>
5TBJN3217 [REDACTED]	48,073	09159
5TBKT4416 [REDACTED]	113,675	09149
5TBRN341 [REDACTED]	102,744	09206

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN321 [REDACTED]	
Condition Title Lower Ball Joint Separation						



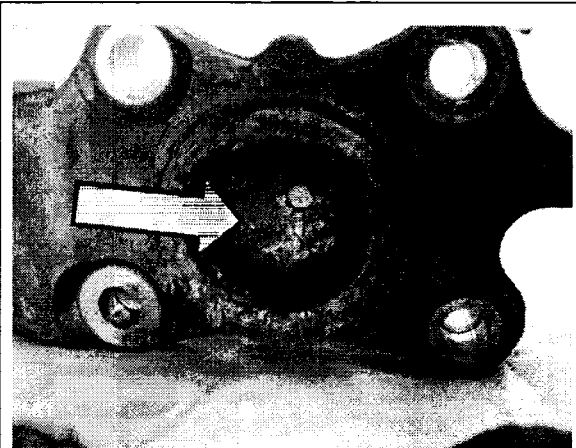
FIELD TECHNICAL REPORT



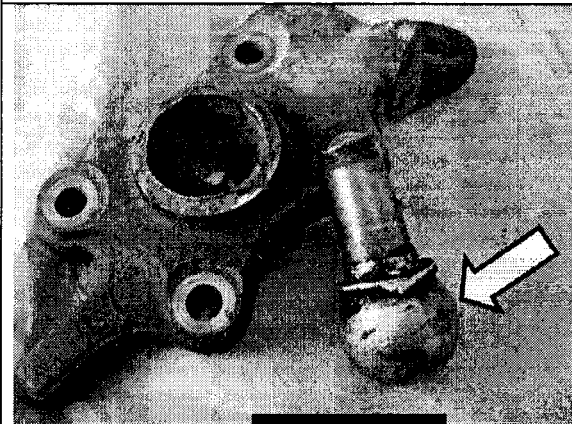
TQCN DOC# FTR-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN321 [REDACTED]	
Condition Title Lower Ball Joint Separation						



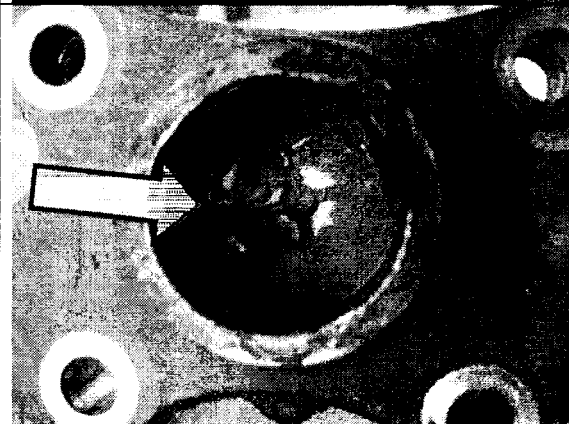
Note the wear marks on the ball.
VIN: 5TBJN321 [REDACTED]



The socket shows the presence of contamination.



VIN: 5TBKT4416 [REDACTED]



FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN3217 [REDACTED]	
Condition Title Lower Ball Joint Separation						

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.



Final Destination: CQEC		SETR#:	CQE Eng:	N/A
Importer: (Applies to TMC Shipments Only)		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 Part Value
1	Part # 1: 4333039605	Part Description JOINT ASSY, LWR BALL W/KNUCKLE ARM, RH	Qty. 2	Used Part Value \$ 14.00
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-5V1110951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 20787-1	Date 4/19/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2003	Production Date 07-2002	Odometer 48073 mi	VIN (confirm 17 characters): 5TBJN3217 [REDACTED]	
Condition Title Lower Ball Joint Separation						

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J21119951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-GST	Ref 28823-1	Date 9/2/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 15-Mar-2004	Odometer 54325 mi	VIN (confirm 17 characters): 5TBDT48[REDACTED]	
Condition Title Tundra lower ball joint separation						

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

Repair Date 11-JUL-2005	Optional Ref.	Optional Approval
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Condition Description

Left front lower ball joint separation. Separation occurred while driving.

Diagnostic Steps:

Visual inspection. Remaining lubricant has embedded metal particles.

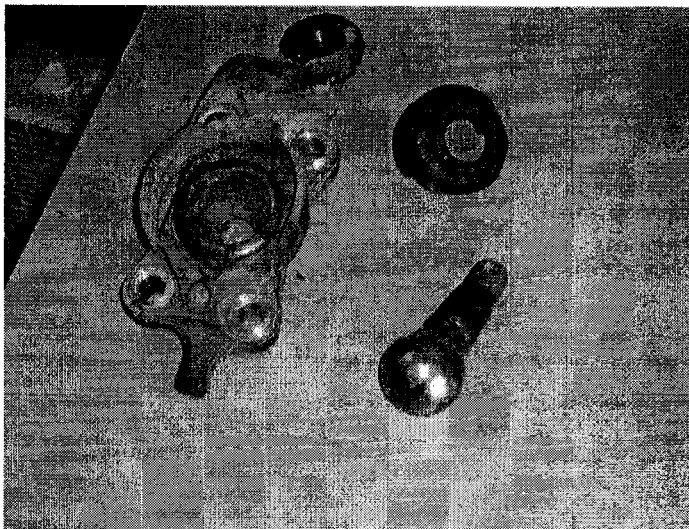
Probable Cause

Unknown.

Part # 1: 4334039495	Part # 2: 4333039615	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

Replace ball joint and related damaged parts. Parts have been recovered and will be provided to CQE.

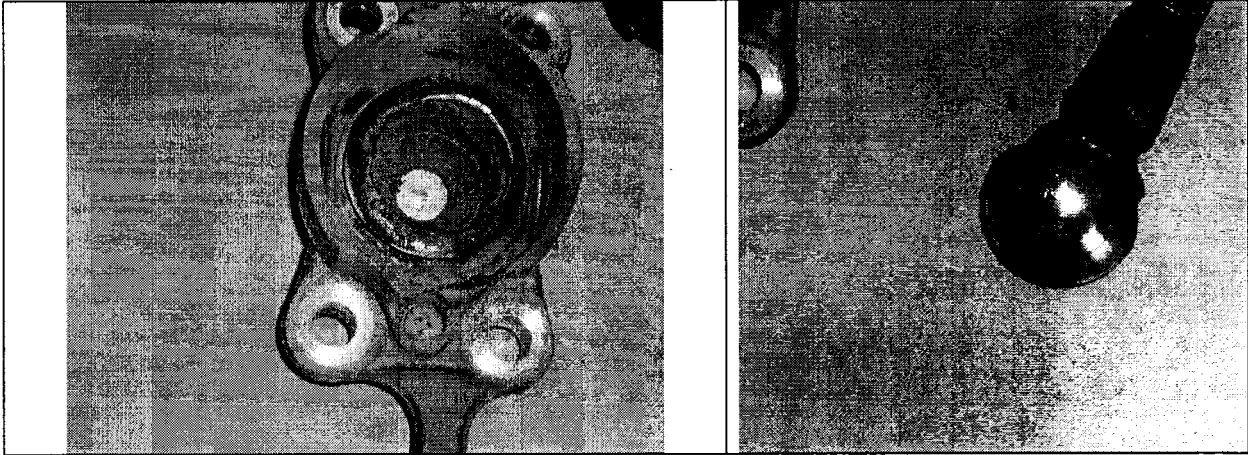


Separated ball joint components

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J21119951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-GST	Ref 28823-1	Date 9/2/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 15-Mar-2004	Odometer 54325 mi	VIN (confirm 17 characters): 5TBDT481 [REDACTED]	
Condition Title Tundra lower ball joint separation						



Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-J21119951A	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-GST	Ref 28823-1	Date 9/2/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 15-Mar-2004	Odometer 54325 mi	VIN (confirm 17 characters): 5TBDT4819 [REDACTED]	
Condition Title Tundra lower ball joint separation						

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.

Final Destination: CQEC		SETR#:	CQE Eng:	N/A
Importer: (Applies to TMC Shipments Only)		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
1	Part # 1:	Part Description	Qty.	Used Part Value
	4334039495	JOINT ASSY, LWR BALL W/KNUCKLE ARM, LH	1	\$ 15.00
Comments:				
2	Part # 2:	Part Description	Qty.	Used Part Value
	4333039615	JOINT ASSY, LWR BALL W/KNUCKLE ARM, RH	1	\$ 15.00
Comments:				
3	Part # 3:	Part Description	Qty.	Used Part Value
			0	\$ 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-JN1131151		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-CHI	Ref 28823-1	Date 11/7/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 24-Oct-2003	Odometer 46460 mi	VIN (confirm 17 characters): 5TBDT4819 [REDACTED]		
Condition Title Lower ball joint separation							

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

Repair Date 20-OCT-2005	Optional Ref.	Optional Approval
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Condition Description

The vehicle was towed to the dealer due to loss of steering control. The vehicle is equipped with aftermarket 20 inches wheels and low profile tires. There were no signs of off road use or abuse. The vehicle is a "D" cab and it does not fall within SSC 50J.

Diagnostic Steps:

The technician inspected the right front suspension and found that the right front lower ball joint ball had separated from the socket. The ball had a 1/2 inch wide rough galled surface on the lower suspension side. The socket lip edge was very rough and dry. There was little or no grease inside the socket. Possibly there was contamination inside the ball and socket contact surface area causing the ball and socket to deteriorate.

Probable Cause

Unknown.

Part # 1: 4333039655	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

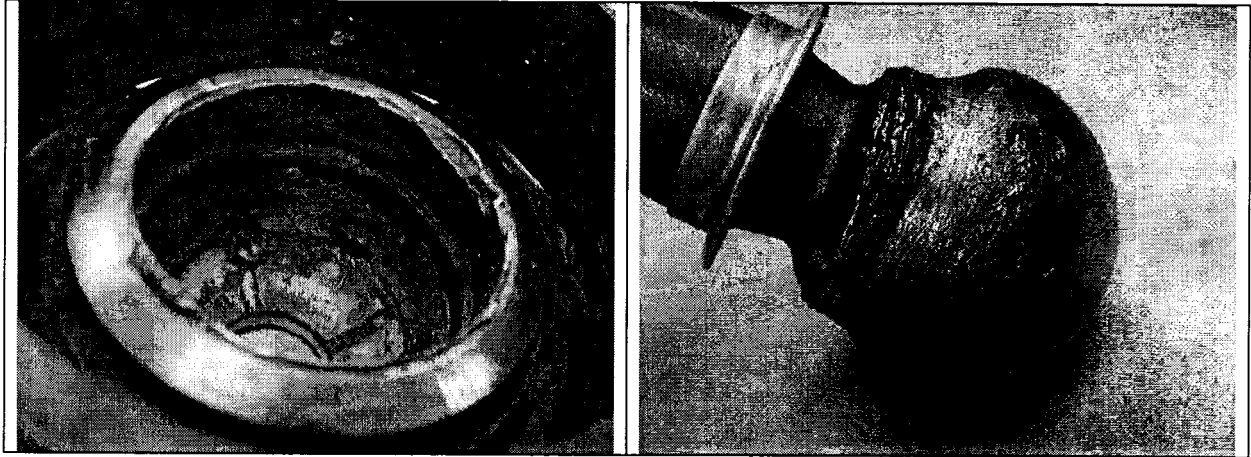
The lower ball joint assembly was replaced to repair the condition. NOTE: the right front fender was bent out slightly.



FIELD TECHNICAL REPORT



TQCN DOC# FTR-JN1131151	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-CHI	Ref 28823-1	Date 11/7/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 24-Oct-2003	Odometer 46460 mi	VIN (confirm 17 characters): 5TBDT481 [REDACTED]	
Condition Title Lower ball joint separation						



Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-JN1131151	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-CHI	Ref 28823-1	Date 11/7/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 24-Oct-2003	Odometer 46460 mi	VIN (confirm 17 characters): 5TBDT481 [REDACTED]	
Condition Title Lower ball joint separation						

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.



Final Destination: CQEC		SETR#:		CQE Eng:	N/A
Importer: (Applies to TMC Shipments Only)		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
1	Part # 1: 4333039655	Part Description JOINT ASSY, LWR BALL W/ KNUCKLE ARM, RH	Qty. 1	Used Part Value \$ 15.00	
	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-VC1134651		Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS-DEN	Ref 28823-1	Date 12/13/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 15-Jan-2004	Odometer 113854 mi	VIN (confirm 17 characters): 5TBDT4419 [REDACTED]		
Condition Title L/F Lower Ball Joint Separation							

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

Repair Date 09-DEC-2005	Optional Ref.	Optional Approval
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Condition Description

Customer complains that he was driving in a straight line on a freeway at 75-80 MPH when noise was heard and a problem was felt with the L/F tire.

- This '04 Tundra is not subject to SSC 50J.
- Customer installs kitchen cabinets for Home Depot Inc. and travels extensively on interstate freeways. He has done jobs as far East as Boston, MA and as far North as Detroit, MI, but the majority of his out-of-state work has had him driving West to California. Customer believes that 85-90% of his driving has been done on Freeways. He says that he has never been involved in a collision while driving this vehicle. He says he has towed trailers with the vehicle but very rarely. Bed is typically loaded with a toolbox and some other lightweight construction materials. The cabinets he installs are sourced at locations where the work is actually performed.

Diagnostic Steps:

- 1) Suspension inspection revealed a worn lower L/F ball joint that had separated.
- 2) No collision damage, past or present, was noted anywhere on the vehicle.

Probable Cause

Unknown

Part # 1: 4334039515	Part # 2: 4333039655	Part # 3: 4331039065	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

L/F and R/F upper and lower ball joints were replaced as well as all other components that had suffered incidental damage to repair the problem.

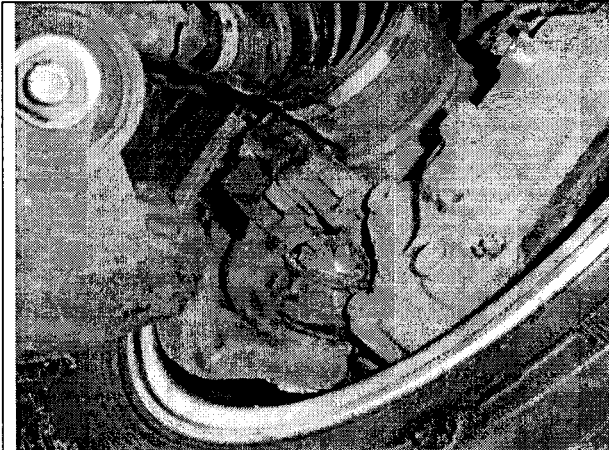


Truck looks very clean especially considering the high mileage. Toolbox appears to be a permanent fixture in this contractor vehicle. Bed liner looks well worn but there are no breaks or deep scratches (condition is consistent with frequent light loads as the customer indicated).

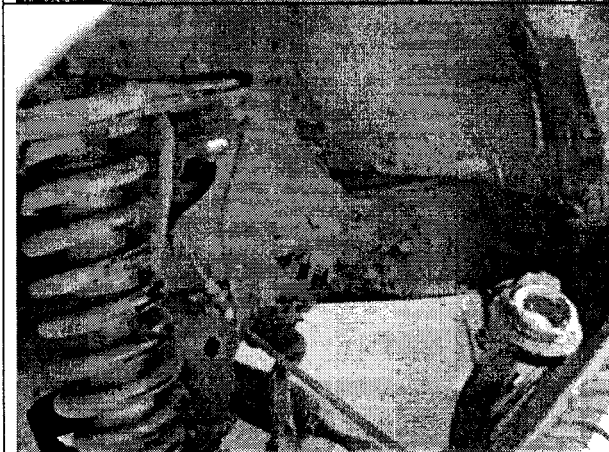
FIELD TECHNICAL REPORT



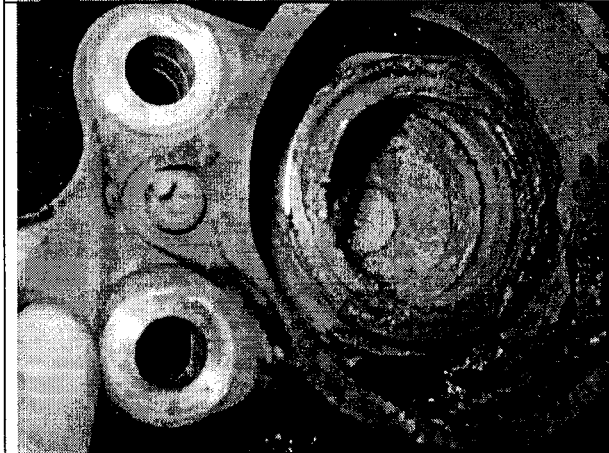
TQCN DOC# FTR-VC1134651		Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS-DEN	Ref 28823-1	Date 12/13/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 15-Jan-2004	Odometer 113854 mi	VIN (confirm 17 characters): 5TBDT441 [REDACTED]		
Condition Title L/F Lower Ball Joint Separation							



Wear on lower L/F ball joint suggests that separation was root cause of suspension damage.



Upper ball joint also separated but it showed no signs of wear. Upper BJ separation was believed to be incidental damage.

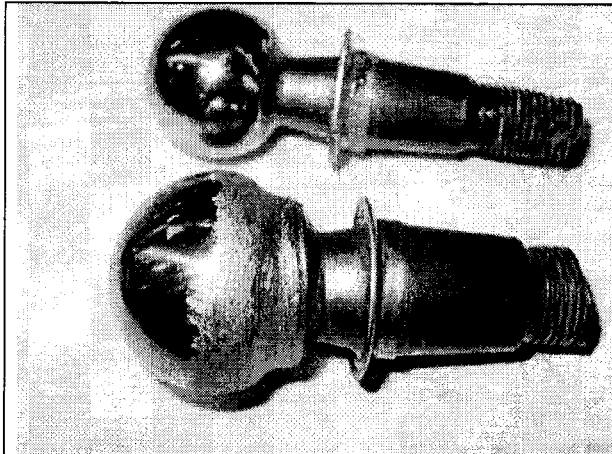


Socket for L/F lower ball joint after removal.

FIELD TECHNICAL REPORT

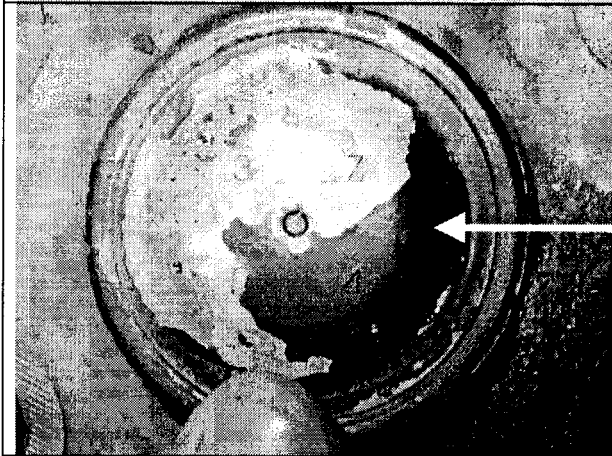


TQCN DOC# FTR-VC1134651	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS-DEN	Ref 28823-1	Date 12/13/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 15-Jan-2004	Odometer 113854 mi	VIN (confirm 17 characters): 5TBDT44 [REDACTED]	
Condition Title L/F Lower Ball Joint Separation						



L/F upper ball shows no signs of wear

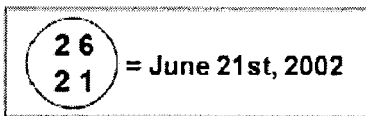
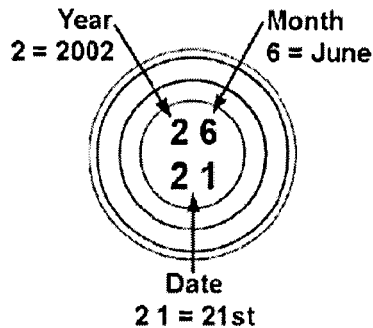
L/F lower ball joint shows 1-1.5 mm of wear depth in the load bearing area. Missing portion of threaded stud was caused by contact with road after separation occurred.



Production date coding of lower L/F ball joint is not completely explained by the SSC 50J technical instructions:

3 Z
0 4

Suspect that the 'Z' designator for month is October, November, or December yielding Month "Z", 4, 2003.



SSC shows the month having a numeric indicator. Suspect alpha characters may be used for months 10-12.

FIELD TECHNICAL REPORT



TQCN DOC# FTR-VC1134651	Affiliate TMS	Dept. QA-Chassis	Source FPE	Location TMS-DEN	Ref 28823-1	Date 12/13/2005
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 15-Jan-2004	Odometer 113854 mi	VIN (confirm 17 characters): 5TBDT44 [REDACTED]	
Condition Title L/F Lower Ball Joint Separation						

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.

Final Destination: CQEC		SETR#:		CQE Eng:	N/A	
Importer: (Applies to TMC Shipments Only)		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	
1	Part # 1: 4334039515	Part Description JOINT ASSY, LWR BALL W/KNUCKLE ARM, LH	Qty. 1	Used Part Value \$ 15.00		
	Comments:					
2	Part # 2: 4333039655	Part Description JOINT ASSY, LWR BALL W/KNUCKLE ARM, RH	Qty. 1	Used Part Value \$ 15.00		
	Comments:					
3	Part # 3: 4331039065	Part Description JOINT SET, FR UPR BALL	Qty. 2	Used Part Value \$ 5.00		
	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-521105861	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-PT	Ref 28823-1	Date 3/7/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 03-Feb-2004	Odometer 83286 mi	VIN (confirm 17 characters): 5TBDT481 [REDACTED]	
Condition Title Tundra Lower Ball Joint						

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

Repair Date 27-FEB-2006	Optional Ref.	Optional Approval
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Condition Description

Technician discovered that the lower ball joint on the left front knuckle had become separated from the control arm.

Diagnostic Steps:

Technician inspected the lower ball joint and found no abnormalities.

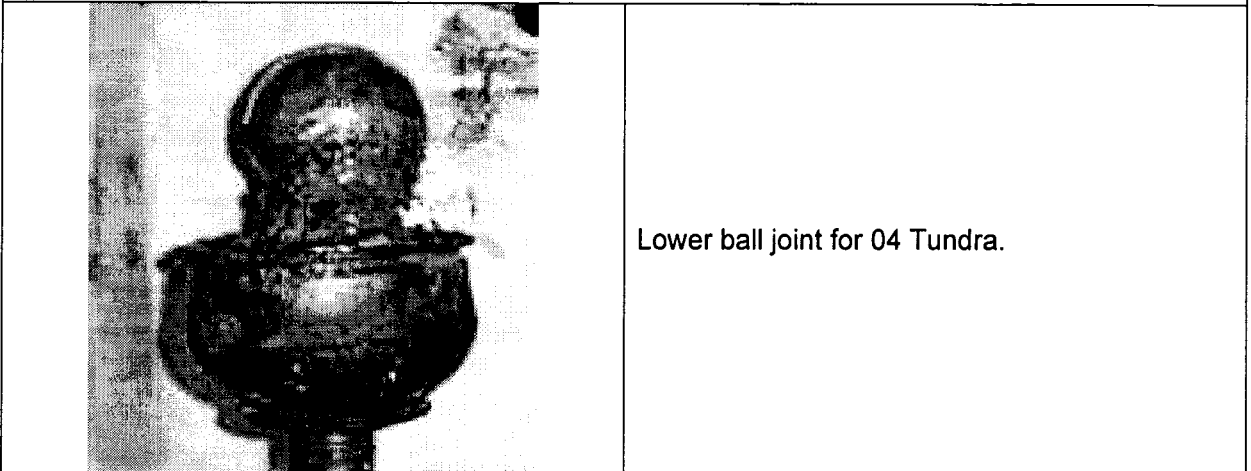
Probable Cause

Unknown.

Part # 1: 4334039515	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

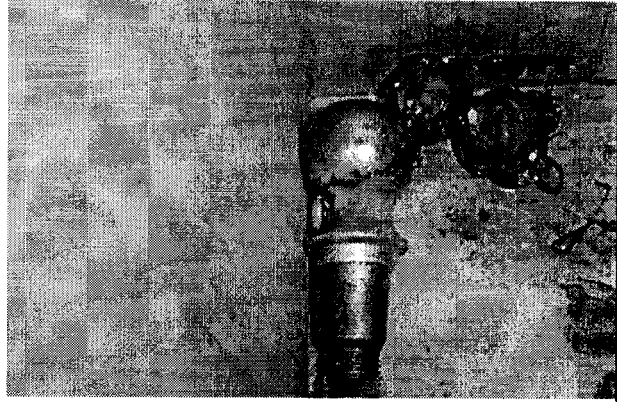
The steering knuckle, hub, upper and lower ball joints and steering rack were replaced to correct the condition.



FIELD TECHNICAL REPORT



TQCN DOC# FTR-521105861	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-PT	Ref 28823-1	Date 3/7/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 03-Feb-2004	Odometer 83286 mi	VIN (confirm 17 characters): 5TBDT4817 [REDACTED]	
Condition Title Tundra Lower Ball Joint						

	Upper ball joint for 04 Tundra
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Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-521105861	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-PT	Ref 28823-1	Date 3/7/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 03-Feb-2004	Odometer 83286 mi	VIN (confirm 17 characters): 5TBDT4817- [REDACTED]	
Condition Title Tundra Lower Ball Joint						

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.

Final Destination: CQEC		SETR#:	CQE Eng:	N/A
Importer: (Applies to TMC Shipments Only)		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
Part # 1:	Part Description	Qty.	Used Part Value	
1 4334039515	JOINT ASSY, LWR BALL W/KNUCKLE ARM, LH	1	\$ 15.00	
Comments:				
		0	0	
		0	0	

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5U1108161	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-SET	Ref 32174-1	Date 3/22/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 19-Jan-2004	Odometer 85382 mi	VIN (confirm 17 characters): 5TBET3419 [REDACTED]	
Condition Title Tundra lower ball joint						

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

Repair Date 03/23/2006	Optional Ref.	Optional Approval
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Condition Description

Customer states that their vehicle operates abnormally.

Diagnostic Steps:

Visual inspection showed that the lower ball joint became separated.

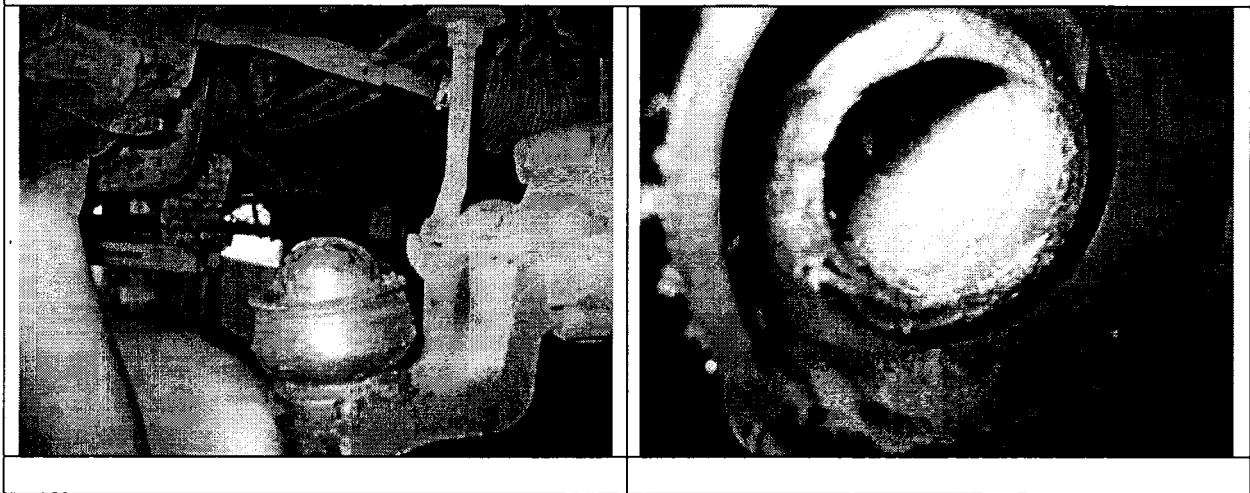
Probable Cause

Unknown

Part # 1: 4333039605	Part # 2:	Part # 3:	Parts Disposition: Special request only	Parts Shipping Destination: N/A
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Repair Process

Replace lower ball joint



Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCNDOC# FTR-5U1108161		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-SET	Ref 32174-1	Date 3/22/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 19-Jan-2004	Odometer 85382 mi	VIN (confirm 17 characters): 5TBET34194		
Condition Title Tundra lower ball joint							

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.



Final Destination: N/A		SETR#:	CQE Eng:	N/A
Importer: (Applies to TMC Shipments Only)		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
1	Part # 1: 4333039605	Part Description JOINT ASSY, LWR BALL W/KNUCKLE ARM, RH	Qty. 1	Used Part Value \$ 14 .00
	Comments:			

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1108061	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 32174-1	Date 3/22/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 01-2004	Odometer 94163 mi	VIN (confirm 17 characters): 5TBET3414 [REDACTED]	
Condition Title Tundra Lower Ball Joint						

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

Repair Date 3/21/06	Optional Ref.	Optional Approval
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Condition Description

The customer states that the vehicle operates abnormally.

Diagnostic Steps:

Visually inspected the vehicle and found the upper and lower ball joints had become separated.

Probable Cause

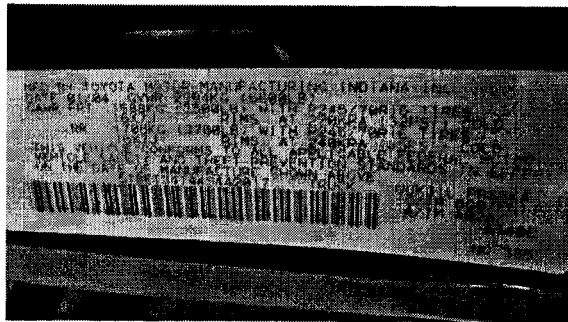
Unknown.

Part # 1: 4334039515	Part # 2: 4320234030	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

Replace the ball joint, steering knuckle assembly and brake hose.

Attachment 1: PRCS



Vehicle information.

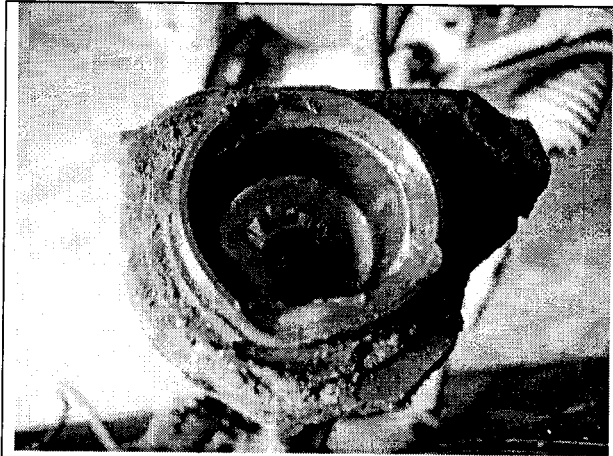


Lower Ball Joint assembly grease: dirty.

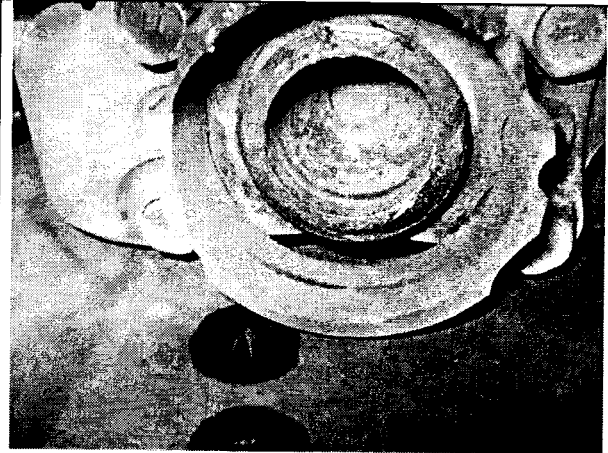
FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1108061		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 32174-1	Date 3/22/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 01-2004	Odometer 94163 mi	VIN (confirm 17 characters): 5TBET341 [REDACTED]		
Condition Title Tundra Lower Ball Joint							



Upper Ball Joint assembly grease: clean.



Lower Ball Joint assembly grease: dirty.

FIELD TECHNICAL REPORT



TQCN DOC# FTR-5V1108061	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location REG-SET	Ref 32174-1	Date 3/22/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 01-2004	Odometer 94163 mi	VIN (confirm 17 characters): 5TBET341 [REDACTED]	
Condition Title Tundra Lower Ball Joint						

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.



Final Destination: CQEC		SETR#:	CQE Eng:	N/A
Importer: (Applies to TMC Shipments Only)		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
1	Part # 1: 4334039515	Part Description JOINT ASSY, LWR BALL W/ KNUCKLE ARM, LH	Qty. 1	Used Part Value \$ 15.00
	Comments:			
2	Part # 2: 4320234030	Part Description KNUCKLE SUB-ASSY, STEERING, LH	Qty. 1	Used Part Value \$ 59.00
	Comments:			

FIELD TECHNICAL REPORT



TQCN DOC# FTR-JN1112561		Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-CHI	Ref 28823-1	Date 5/8/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 04-Aug-2004	Odometer 69462 mi	VIN (confirm 17 characters): 5TBET34 [REDACTED]		
Condition Title Tundra Ball Joint							

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

Repair Date 07-APR-2006	Optional Ref.	Optional Approval
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Condition Description

- The left front lower ball joint separated while driving.
- The vehicle was traveling at a slow speed when the incident occurred.

Diagnostic Steps:

- The technician inspected the vehicle and found that the left front lower ball joint had separated from the socket.
- The right front lower ball joint was not damaged.

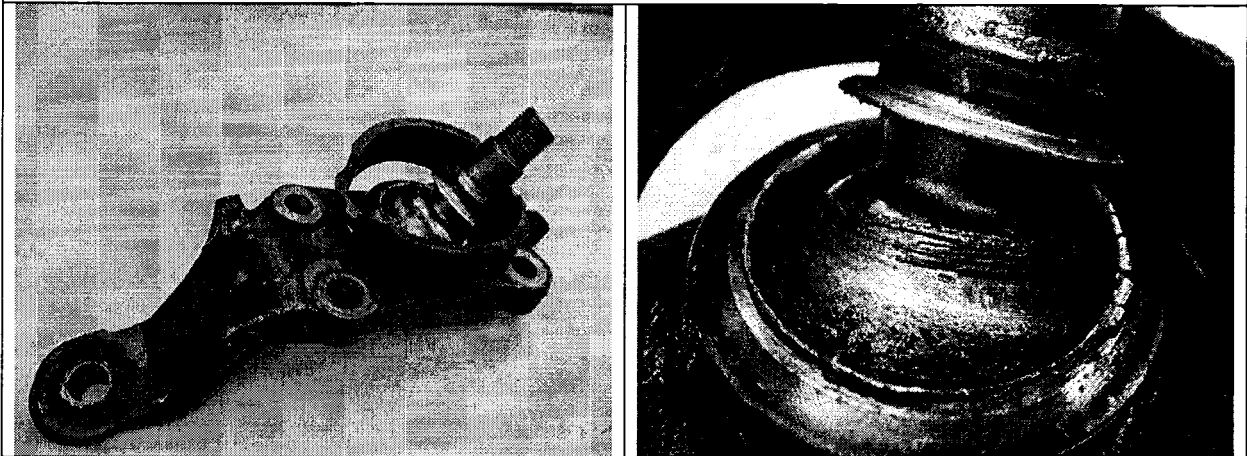
Probable Cause

- Unknown.

Part # 1: 4334039551	Part # 2:	Part # 3:	Parts Disposition: Have part / will ship	Parts Shipping Destination: CQEC
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Repair Process

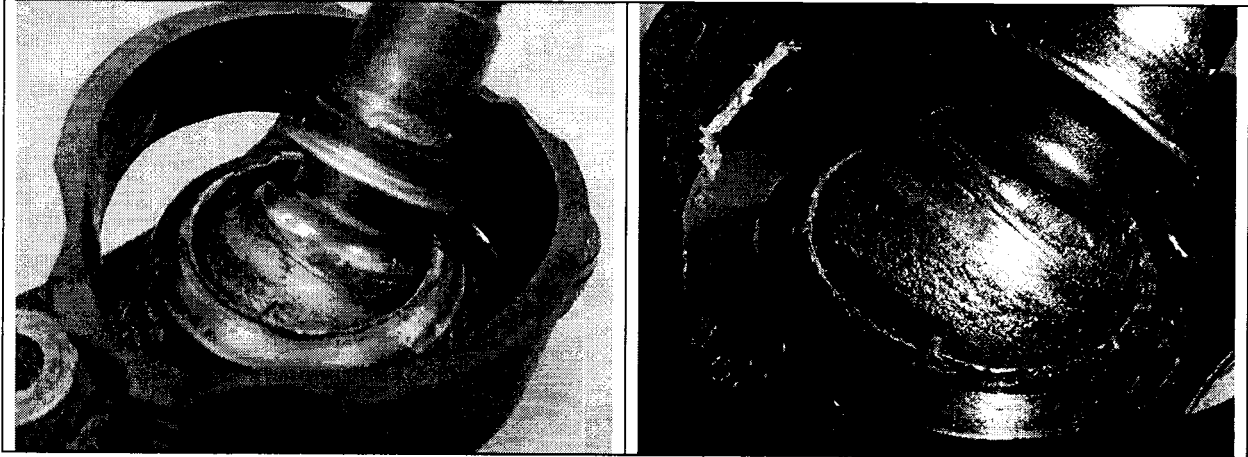
- Both left and right front lower ball joints were replaced.
- NOTE: The technician had reinstalled the ball in the socket of the separated ball joint.
- The left front lower ball joint was recovered.



FIELD TECHNICAL REPORT



TQCN DOC# FTR-JN1112561	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-CHI	Ref 28823-1	Date 5/8/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 04-Aug-2004	Odometer 69462 mi	VIN (confirm 17 characters): 5TBET341 [REDACTED]	
Condition Title Tundra Ball Joint						



Attachment 1: PRCS

FIELD TECHNICAL REPORT



TQCN DOC# FTR-JN1112561	Affiliate TMS	Dept. QA-Chassis	Source FTS	Location TMS-CHI	Ref 28823-1	Date 5/8/2006
Problem Area Base Vehicle	Primary Model Tundra	Model Year 2004	Production Date 04-Aug-2004	Odometer 69462 mi	VIN (confirm 17 characters) 5TBET34 [REDACTED]	
Condition Title Tundra Ball Joint						

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.



Final Destination: CQEC		SETR#:		CQE Eng:	N/A	
Importer: (Applies to TMC Shipments Only)		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	
1	Part # 1: 4334039551	Part Description			Qty. 1	Used Part Value \$ 0.00
Comments:						