CONFIDENTIAL BUSINESS INFORMATION

Summary of Actions

a. Action title	b. Start date c. End date	d. Brief summary of the subject and objective	e. Engineering group	f. Summary of findings	Title of Attachment
				CONFIDE	NTIAL BUSINESS INFORMATION
				CONFIDE	NITAL BUSINESS INFURMATION

Noise evaluation of wheel speed sensor on test bench (sample picture)		
	CONFIDENTIAL BUSINESS INFORMATION	
	CONTIDENTIAL BOSINESS INTORNATION	

Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
	CONFIDENTIAL BUSINESS INFORMATION

Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
	CONFIDENTIAL BUSINESS INFORMATION

Noise evaluation of wheel speed sensor on test bench	
	CONFIDENTIAL BUSINESS INFORMATION

Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
	CONFIDENTIAL BUSINESS INFORMATION

Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
	CONFIDENTIAL BUSINESS INFORMATION

Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
	CONFIDENTIAL BUSINESS INFORMATION

Attachment response of	Noise evaluation of wheel speed sensor on test bench
CONFIDENTIAL BUSINESS INFORMATION	

Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
	CONFIDENTIAL BUSINESS INFORMATION

Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
	CONFIDENTIAL BUSINESS INFORMATION

Noise evaluation of wheel speed sensor on test bench	
	CONFIDENTIAL BUSINESS INFORMATION

Attachment response of	Noise evaluation of wheel speed sensor on test bench
CONFIDENTIAL BUSINESS INFORMATION	

Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
	CONFIDENTIAL BUSINESS INFORMATION

Tittle mine it response of	Noise evaluation of wheel speed sensor on test bench
CONFIDENTIAL BUSINESS INFORMATION	

	Noise evaluation of wheel speed sensor on test bench	Attachment-Response 8-1
		CONFIDENTIAL BUSINESS INFORMATION
ı		

Summary of vehicle phenomenon caused by the miss calculation of steering angle		
	CONFIDENTIAL BUSINESS INFORMATION	Attachment-Response 8-2
Assuming complete vehicle stop and startup		
		CONFIDENTIAL BUSINESS INFORMATION
		CONTIDENTIAL DUSINESS INFORMATION

Case study when the steering offset failure occurs: Startup with turning of steering wheel + US side deviation occur	CONFIDENTIAL BUSINESS INFORMATION	Attachment-Response 8-2
		CONFIDENTIAL BUSINESS INFORMATION

Case study when the steering offset failure occurs: Startup with turning of steering wheel + US side deviation occur	CONFIDENTIAL BUSINESS INFORMATION	Attachment-Response 8-2
	CONFIDENT	IAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

Duplication test by rusted parts assembled on the vehicle	Attachment-Response 8-3-1
	CONFIDENTIAL BUSINESS INFORMATION

Attachment-Response 8-3-2

Sample pictures of duplication test by rusted parts assembled on the vehicle

CONFIDENTIAL BUSINESS

Noise bench test summary	Attachment-Response 8-4
	CONFIDENTIAL BUSINESS INFORMATION

Investigation of recovery vehicle(2003MY)	Confidential Business Information	Attachment-Response 8-5
		Confidential Business Information

Investigation of recovery vehicle(2003MY)	Confidential Business Information	Attachment-Response 8-5
		Confidential Business Information

Investigation of recovery vehicle(2003MY)	Confidential Business Information	Attachment-Response 8-5
		以验证 的特别。
		Confidential Business Information

Investigation of recovery vehicle(2003MY)	Confidential Business Information	Attachment-Response 8-5
Tellin Bron Gerler Strate		
		Confidential Business Information

nvestigation of recovery vehicle(2003MY)	Confidential Business Information	Attachment-Response 8-5
		Confidential Business Information

Investigation of recovery vehicle(2003MY)	Confidential Business Information	Attachment-Response 8-5
		Confidential Business Information

Test data result for the vehicle speed sensor signal of recovery vehicle(2003MY) Attachment-Response 8-6 ①Straight driving 0.1G Accel :0-5kph CONFIDENTIAL BUSINESS INFORMATION

2)Straight driving 0.2G Accel:0-5kph	
	CONFIDENTIAL BUSINESS INFORMATION

Straight driving 0.2G Accel:0-5kph	
	CONFIDENTIAL BUSINESS INFORMATION

①:5-10kph	
	CONFIDENTIAL BUSINESS INFORMATION

②:5-10kph		
		CONFIDENTIAL BUSINESS INFORMATION

③:5-10kph	
	CONFIDENTIAL BUSINESS INFORMATION

①:10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION

②:10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION

③: 10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

Test data result for the vehicle speed sensor signal of recovery vehicle(2003MY) Attachment-Response 8-6 ① 360° Turning acceleration:left 0.1G Accel:0-5kph

② 360° Turning acceleration:left 0.2G Accel 0-5kph	
	CONFIDENTIAL BUSINESS INFORMATION

3 36	0° Turning acceleration:left 0.3	G加速 0-5kph	
Г			
			CONFIDENTIAL BUSINESS INFORMATION

① 5-10kph	
	CONFIDENTIAL BUSINESS INFORMATION

② 5-10kph	
	CONFIDENTIAL BUSINESS INFORMATION

§ 5–10kph	
	CONFIDENTIAL BUSINESS INFORMATION

① 10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION

② 10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION

③ 10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION

Test data result for the vehicle speed sensor signal of recovery vehicle(2003MY)

Attachment-Response 8-6

2	360° Turning acceleration: right 0.1G Accel 0-5kph	
	CONFIDENTIAL BUSINESS INFORMATION	N

2	360° Turning acceleration:righ	nt 0.2G Accel 0-5kph	
		CONFIDENTIAL BUSINESS INF	FORMATION

3	360°	Turning acceleration:rig	ght 0.3G Accel 0-5kph		
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
١					
					CONFIDENTIAL BUSINESS INFORMATION

) 5-10kph	
	CONFIDENTIAL BUSINESS INFORMATION

② 5-10kph	
	CONFIDENTIAL BUSINESS INFORMATION

③ 5-10kph	
	CONFIDENTIAL BUSINESS INFORMATION

① 10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION

② 10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION
	COM DESTINE POSITIONS IN ORNATION

3 10-15kph	
	CONFIDENTIAL BUSINESS INFORMATION

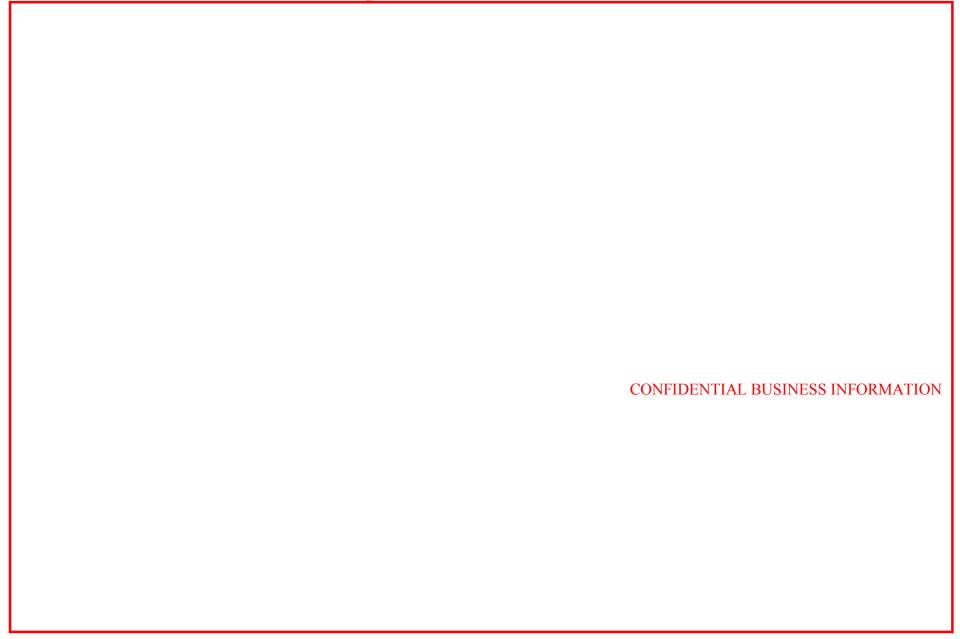
CONFIDENTIAL BUSINESS INFORMATION

Attachment-Response 8-7

Toyota SEQUOIA MY 2003-2004 NHTSA Investigation for Unnecessary activations	
CONFIDENTIAL BUSINESS INFORMATION	



Rear Speed Sensor Issue



Rear Speed Sensor Issue



Steering Angle Sensor issue



Steering Angle Sensor issue

