Part Number: PT398-35090

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Wire Harness
2	1	Security ECU
3	1	GBS ECU
4	1	Status Monitor/Microphone
5	2	Warning Labels (English)
6	2	Warning Labels (Spanish)
7	1	Owner's Manual
8	1	Warranty Card

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	ECU Mounting Bracket
2	1	Bolt
3	1	Large Foam Tape Strip (2 pcs.)
4	4	Small Foam Tape Strips
5	15	Medium Wire Ties
6	15	Large Wire Ties

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	1	Lint-free Cloth

Conflicts

Note: Must not be installed in vehicles with factory Antitheft alarm.

Recommended Tools

Personal & Vehicle	Notes
Protection	
Safety Glasses	
Safety Gloves	Optional
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Striker Tool (PPO Only)	CAD-E IADS P/N
· · · · · ·	ALL02-016-01
Grabber Tool (Flexible Pick-	(CAD-E IADS P/N
up Tool)	COR02-016-01 (PPO))
ECU Pin Remover Tool	Toyota SST: 1276565-1
Installation Tools	Notes
Screwdriver	#2 Phillips, Flat Blade
	Jeweler's
Socket	10 mm, extension
Torque Wrench	36 in•lbf (4.1 N•m)
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1
-	Toyota SST # 00002-06001-1
Cloth	Lint-free
Side Cutter	
Таре	Masking, Electrical, Clear
	D 1

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NOTE: Part number of this accessory may not be the same as the part number shown.

Special Chemicals	
Cleaner	VDC Approved Cleaner
Glass Cleaner	Household Glass Cleaner

General Applicability

Note: Tacoma with Remote keyless Entry.

Recommended Sequence of Application

Item #	Accessory
1	Audio
2	Trailer Wire Harness
3	V5

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1	3	Clips – lower dash cover
2	5	Clips – audio panel
3	2	Clips – glove box inner cover
4	4	Clips – center cluster panel
5	4	Clips – small cover lower IP

Legend



OPERATOR SAFETY: Use caution to avoid risk of injury.



CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle.

TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.

REVISION MARK: This mark highlights a change in installation with respect to previous issue.

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Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.







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(c) Remove the driver side foot rest, and the driver side step cover. (Fig. 1-2)

(1) Cover the floor and seats before starting.

NOTE: The foot rest can be easily damaged.

(d) Remove driver side cowl cover. (Fig. 1-2)(1) Remove the nut securing the cowl cover.

FOR M/T VEHICLE MODELS ONLY. (Steps e-g)

- (e) Remove the small cover from the lower dash cover's right side. (Fig. 1-3)
- (f) Remove the hood release cable. (Fig. 1-3)
- (g) Remove the lower dash cover. (Fig. 1-3)
 - (1) Open the screw cover of the lower dash cover.
 - (2) Remove the two bolts securing the cover.

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FOR A/T VEHICLE MODELS ONLY.

(Steps h-j)

- (h) Remove the small cover from the lower dash cover's right side. (Fig. 1-4)
- (i) Remove the hood release cable. (Fig. 1-4)
- (j) Remove the lower dash cover. (Fig. 1-4)
 - (1) Open the screw cover of the lower dash cover.
 - (2) Remove the two bolts securing the cover.
- (k) Remove the metal substructure. (Fig. 1-5)(1) Remove 3 bolts.
- CAUTION: Sharp metal edges.

- Remove the two screws securing the lower steering column cover behind the steering wheel. (Fig. 1-6)
 - (1) Insert the key into the ignition switch and turn it to ON to unlock the steering wheel.
 - (2) Turn the steering wheel left and right to gain access to the screws.
- (m) Remove the lower steering column cover. (Fig. 1-7)

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(n) Attach the low adhesion masking tape on the center cluster panel, as shown. (Fig. 1-8)

CAUTION: Only apply tape on the Center Cluster Panel surface.

- (o) Using the Nylon Panel Removal Tool, remove the center cluster panel. (Fig. 1-8)
 - (1) Loosen the four clips when removing the panel.
 - (2) Disconnect all connectors from the panel.
- (p) Remove the audio unit. (Fig. 1-9)
 - (1) Remove 4 bolts.
 - (2) Disconnect all connectors from the audio unit.

NOTE: Prior to removing the radio assembly from the dash, cover the radio mounting tabs with a cloth to prevent damage to the vehicle.

(q) Remove the knockout cover from the lower portion of the center console. (Fig. 1-10)

(r) Remove the passenger side step cover.(Fig. 1-11)

(1) Cover the floor and seats before starting.

- (s) Remove the passenger side cowl cover.(Fig. 1-11)
 - (1) Remove 1 nut.

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(t) Remove the glove box. (Fig. 1-12)(1) Remove the dampener from the glove box.

(u) Remove the glove box inner cover.(Fig. 1-13)(1) Remove 1 bolt.

- 2. V5 Harness Installation. (From Center Cluster Area to Driver Side Cowl Area)
 - (a) Locate and disconnect the white 8P connector from the ignition switch in the steering column area. (Fig. 2-1)
 - (b) Plug in the V5 harness' white 8P connectors between the ignition switch and the vehicle harness' white 8P connector.
 - (c) Secure the white 8P connectors to the vehicle harness with 1 large wire tie.(Fig. 2-2)
 - (d) Secure the V5 harness to the vehicle harness with 2 large wire ties. (Fig. 2-2)

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(e) Locate and disconnect the black 13P connector, and two white 18P connectors from the driver side J/B. (Fig. 2-3)

- (f) Secure the 13P(black) connectors, 2 18P connectors and V5 Harness to the vehicle harness with 5 medium Wire Ties, in front of the driver side J/B. (Fig. 2-5)
 - (1) Align the V5 harness' branch point to the end of the corrugated tube of the vehicle harness.



 (g) Route the V5 harness' white wire terminal, white 2P connector and white 10P connectors behind the brace down toward the driver side cowl area as shown.
 (Fig. 2-6)









- (h) Locate the vehicle's white 12P connector in the driver side cowl area, and remove the electrical tape from the vehicle's white 12P connector, then disconnect it for clearance. (Fig. 2-7)
- (i) Locate the hole in the driver side cowl area, then pull out the vehicle harness' white 10P connector and disconnect it. (Fig. 2-7)
- (j) Plug the V5 harness' white 10P connectors between the vehicle harness' white 10P connectors, then insert the white 10P connectors into the hole in the driver side cowl area. (Fig. 2-8)
 (1) Verify the connectors are plugged in securely.
- (k) Reconnect the vehicle harness' white 12P connector and secure it to the vehicle harness using electrical tape. (Fig. 2-8)
- Locate and disconnect the combination connector from the connector block in the driver side cowl area. (Fig. 2-9)

- (m) Using a small jeweler's screwdriver, release and pull out the white 8P connector from the combination connector. (Fig. 2-10)
 - (1) Turn the connectors so the pins face you.









 (n) Using a small jeweler's screwdriver, lift up the terminal retainer on the back of the 8P connector. Locate the WHITE wire in the 8P connector. Using the ECU pin remover tool or a small jeweler's screwdriver, release and pull out the terminal for the WHITE wire.
 (Fig. 2-11)

- (1) Do not pull out the retainer.
- (2) Turn the connector so the wires face you and the retainer is on top.
- (o) Insert the terminal at the end of the V5 harness' WHITE wire into the seventh space from the left of the 8P connector, then close the retainer. Refit the white 8P connector to the combination connector. (Fig. 2-12)
 - (1) Turn the connector so the wires face you and the retainer is on top.
 - (2) Verify the correct opening is chosen.
 - (3) Verify the terminal is inserted and seated properly. The terminal should not come out when pulled lightly from the back. If the terminal comes off, then push it in again.
- (p) Disconnect the empty 2P female connector plugged into the V5 harness. Using a small jeweler's screwdriver, lift up the terminal retainer on the back of the empty 2P connector. (Fig. 2-13)
 - (1) Do not pull out the retainer.
- (q) Insert the terminal at the end of the vehicle harness' WHITE wire into the right side opening of the empty 2P connector as shown, then close the retainer. (Fig. 2-14)
 - (1) Turn the connector so the wires face you and the tab is on top.
 - (2) Verify the correct opening is chosen.
 - (3) Verify the terminal is inserted and seated properly. The terminal should not come out when pulled lightly from the back. If the terminal comes off, then push it in again.

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(r) Plug in the V5 harness' white 2P male connector to the white 2P female connector, and reconnect the combination connector.(Fig. 2-15)

(1) Verify the connectors are plugged in securely.

- (s) Wrap the white 10P connectors in one small foam tape strip. (Fig. 2-15)
- (t) Secure the white 10P connectors to the vehicle harness using one medium wire tie.(Fig. 2-16)
- (u) Bundle the excess V5 harness, then using one medium wire tie, secure the 2P connectors and V5 harness as shown.
 (Fig. 2-16)
- 3. V5 Harness Installation. (From Center Cluster Area to Passenger Side Cowl Area)

FOR M/T VEHICLE MODELS ONLY. (Step a)

(a) Attach two small foam tape strips to the vehicle's brace as shown. (Fig. 3-1)
(1) (1) Do not attach anything to the brake shaft.

FOR A/T VEHICLE MODELS ONLY. (Step b)

(b) Attach one small foam tape strip to the vehicle's brace as shown. (Fig. 3-2)

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(c) Route the V5 harness toward the center cluster area using the grabber tool.

(Fig. 3-3)

- (1) Insert the grabber tool from the center cluster area and push it toward the driver side upper brake shaft area.
- (2) Catch the V5 harness 10P connectors using the grabber tool, then pull it back toward the center cluster area.
- (d) Secure the V5 harness' relay to the vehicle brace with one large wire tie. (Fig. 3-4)

- (e) Route the V5 harness toward the passenger side glove box area. (Fig. 3-5)
- (f) Route the V5's 4P black connector downward and out of the open knockout location. (Fig. 3-5)
- (g) Secure the V5 harness to the vehicle harness with 3 large wire ties. (Fig. 3-5)
- (h) Connect the 4P connector to the Status monitor / Microphone. (Fig. 3-6)
- (i) Push the Status Monitor into the open knock until it snaps in place. (Fig. 3-6)

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(j) Pull the excess V5 Harness back up into the Center Console Area and secure it with 1 large wire tie to the Vehicle Harness.(Fig. 3-7)

- (k) Plug in the V5 14P male connector to the vehicle 14P female connector. Bundle the excess portion of the vehicle harness, then secure the V5 harness and vehicle harness with 1 large Wire Tie. (Fig. 3-8)
 (l) V if the provide reaching a secure of the vehicle harness is a secure of the vehicle harness with 1 large Wire Tie. (Fig. 3-8)
 - (1) Verify the connectors are plugged in securely.
- (1) Secure the V5 harness to the vehicle harness with 1 medium Wire Tie. (Fig. 3-9)
- (m) Route the V54 harness behind the reinforcement fixation securing it with 1 large Wire Tie. (Fig. 3-9)

(n) Locate the vehicle harness' white 4P female connector and remove the tape securing the 4P connector. (Fig. 3-10)

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- (1) Verify the connectors are plugged in securely.
- (p) Route and secure the V5 harness to the vehicle harness with two medium wire ties and the vehicle's wire clip. (Fig. 3-12)

(q) Locate and disconnect the grey 11P connector to the connector block of the passenger side cowl area. (Fig. 3-13)

- (r) Locate the vehicle's outer white 10P connector in the passenger side cowl area, and remove the tape from the vehicle's white 10P connector, then disconnect it for clearance. (Fig. 3-14)
- (s) Locate the hole in the passenger side cowl area, then pull out the vehicle harness' inner white 10P connector and disconnect it.
 (Fig. 3-14)

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- (t) Plug in the V5 10P connectors between the vehicle inner 10P connectors. (Fig. 3-15)
 - (1) Both the inner and outer white 10P connectors fit the V5 harness. Use the inner white connector.
- (u) Insert V5 grey 11P connectors between the vehicle grey 11P connector and the connector block. (Fig. 3-15)
- (v) Place the inner white 10P connectors in the concave spot of the cowl area. (Fig. 3-15)
- (w) Reconnect the vehicle outer 10P connector and secure to the vehicle harness using 1 small Foam Tape. (Fig. 3-15)
- (x) Reconnect the vehicle's outer white 10P connector and secure it to the vehicle harness using the electrical tape. (Fig. 3-16)
- (y) Secure the V5 harness to the vehicle harness with two medium wire ties. (Fig. 3-16)
- (z) Secure the white 11P connectors to the vehicle harness with one large wire tie.(Fig. 3-16)

4. V5 Security ECU and V5 GBS ECU Installation.

- (a) Insert the V5 security ECU mounting bracket tab into the indicated bracket slot on the V5 security ECU. (Fig. 4-1)
 - Insert the mounting bracket into the correct slot; you have only one chance to install it properly.

CAUTION: Due to a tight fit between the V5 ECU and bracket, it may be necessary to support the bracket on a flat surface corner and press the ECU onto the bracket.

(b) Turn the adjustment screw on the V5 GBS ECU to the "8" position. (Fig. 4-2)

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TOYOTA TACOMA Procedure









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- (d) Insert the V5 GBS ECU mounting bracket tab into the indicated bracket slot on the V5 GBS ECU. (Fig. 4-3)
 - (1) Insert the mounting bracket into the correct slot; you have only one chance to install it properly.
- (e) Connect the V5 harness' white 40P connector and white 8P connector to the V5 security ECU and V5 GBS ECU. (Fig. 4-4)
 (1) Verify the connectors are plugged in securely.
- (f) Apply one small foam tape strip to the vehicle brace as shown. (Fig. 4-4)
- (g) Using the supplied bolt, secure the V5 security ECU and V5 GBS ECU to the reinforcement fixation. (Fig. 4-5)

(h) Secure the V5 ECU harness and the GBS ECU portion of the V5 harness to the vehicle harness with one large wire tie.
 (Fig. 4-6)

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5. Warning Label Installation.

- For US Vehicles use the English Labels and Tag, and discard the Spanish Tags and Labels.
- For Mexico Vehicles use the Spanish Labels and Tag, and discard the English Tags and Labels.
- (a) Using Household Windex, clean the inside of the Front Door Windows. (Fig. 5-1)
- (b) Place the Window Labels on the inside of the Front Door Windows as shown.

(Fig. 5-1)

(1) Use a piece of clean adhesive tape to lift the Labels off their protective backing.

CAUTION: Do not touch the adhesive surface.

(1) Line up the Labels properly and place on the Glass. Do not attempt to reposition the Labels once they and place.

If Labels are being installed with other Window Label's align them as shown in Fig. 5-2.

Completing the Installation.

- (a) Complete the reassembly of the vehicle.
 - (1) Prior to replacing the radio assembly into the dash, cover the radio mounting tabs with a cloth to prevent damage to the vehicle.
 - (2) Reconnect any disconnected connectors.
 - (3) Verify the panels fit together properly with no uneven gaps between them.
- (b) Clean up and remove any trash.
- (c) Reconnect the vehicle's negative battery cable. (Fig. 6-1)
 - (1) Position the negative battery cable at the original factory position.
 - (2) Tighten the nut to 36 in•lbf (4.1 N•m).

CAUTION: Do not touch the positive terminal.

(d) Place the owner's manual and warranty card (left in their protective bags) in the glove box.

ook For:
ne turn signal lights flash once.
ll doors lock.
ne Status Monitor's LED lights up.
fter 30 seconds, the LED starts flashing;
e system is now armed.
ne turn signal lights flash twice.
ne driver's door unlocks.
ne LED stops flashing.
ne interior lights turn on.
ne doors automatically relock.
ne system automatically starts the arming
ocess.
efer to step number 3.
ll doors lock.
ne LED lights up.
fter 30 seconds, the LED starts flashing;
e system is now armed.

Checkinst - these points MUS1 be checked to ensure a	I quality installation. K83200 PLUS
Reach inside and manually unlock the	8. The driver's door automatically relocks.
driver's door to trigger an alarm.	The horn sounds repeatedly.
	The headlights flash repeatedly.
	The turn signal lights flash repeatedly.
	The LED lights up.
	The interior lights turn on.
Manually unlock the driver's door again and	9. The driver's door lock attempts to lock
hold it unlocked, open the door, then sit in	repeatedly.
the driver's seat.	The horn continues to sound repeatedly.
	The headlights, turn signal lights continue
	flashing.
	The LED remains on.
	The interior lights remain on.
Insert the key into the ignition switch and	10. The horn stops sounding.
turn it to "START" to stop the alarm.	All the lights stop flashing and/or turn off.
	The LED turns off.
Turn the key back to "LOCK", remove it, and then exit the vehicle.	The starter cranks and the engine starts.
With the door open, press the lock switch	11. All doors lock.
on the door to lock the doors, and then	The LED lights up.
close the door to start the system's arming	
process.	12. After 30 seconds, the LED starts flashing;
Wait 30 seconds.	the system is now armed.
	13. The front passenger's door relocks.
Reach inside and manually unlock the front	The horn sounds repeatedly.
passenger's door to trigger an alarm.	The headlights, turn signal lights flash
	repeatedly.
	The LED lights up.
	The interior lights turn on.

ese points MUST be checked to ensure	a quality	v installation. RS3200 PLUS
		Look For:
and release the remote control's	14.	The horn stops sounding.
k button to stop the alarm.		All the lights stop flashing.
-cab <i>only</i>		The LED turns off.
and release the remote control's lock	15.	Refer to step number 1 and number 2.
to start the arming process, and then		
0 seconds until the system is armed.		
k and open one of the rear passenger	16.	Refer to step number 13.
to trigger an alarm.		
t the above steps with the other rear	17.	Refer to step number 15 and number 16.
nger door.		
ip all windows, remove the key and ne vehicle.		
and release the remote control's lock	18.	Refer to step number 1.
to start the arming process.		
30 seconds.	19.	After 30 seconds, the LED starts flashing;
rm the following check in a erature-controlled environment - 90° F.)		the system is now armed.
the tip of key (or striker tool pulled all	20.	The horn sounds repeatedly.
ay out (PPO only)), tap the center of		The headlights flash repeatedly.
iver's door window to trigger the warn		The turn signal lights flash repeatedly.
alarm.		The LED lights up.
		NOTE: Adjust as necessary by increasing the GBS setting to the next level if the alarm does not trigger during the functional verifications. NOTE: If you do not disarm the system, the alarm will last 20 seconds. <i>It is not</i> <i>necessary to check the alarm duration.</i>
	ese points MUST be checked to ensure and release the remote control's a button to stop the alarm. cab only and release the remote control's lock a to start the arming process, and then 0 seconds until the system is armed. k and open one of the rear passenger to trigger an alarm. at the above steps with the other rear nger door. 	ese points MUST be checked to ensure a quality ::::::::::::::::::::::::::::::::::::

TOYOTATACOMA200Checklist - these points MUST be checked to ensure	9 -TVIP V5 a quality installation. RS3200 PLUS
Check:	Look For:
Insert the key into the driver's door key	21. The horn stops sounding.
cylinder and turn it toward the back of the	All the lights stop flashing and/or turn off.
vehicle to stop the alarm.	The status monitor's LED turns off.
Vehicle Function Checks	
Head Lights	Functioning Head Lights
High Beams	Functioning High Beams
Turn Signal Lights	Functioning Turn Signal Lights
Tail Lights	Functioning Tail Lights
Stop Lights	Functioning Stop Lights
Backup Lights	Functioning Backup Lights
Hazard Lights	Functioning Hazard Lights
Marker Lights	Functioning Marker Lights
Dome/Courtesy/Map Lights	Functioning Dome/Courtesy/Map Lights
Panel/Switch Illumination	Functioning Controls/Illumination
Accessory Controls/Illumination (if	Functioning Accessory Controls
equipped)	
Key Sensor Buzzer	Functioning Key Sensor
Fog Lights (if equipped)	Functioning Fog Lights
Daytime Running Lights (if equipped)	Functioning DR Lights
Trunk/Tailgate/Bed Lights (if equipped)	Functioning Lights
Glove Box Light (if equipped)	Functioning Glove Box Light
Cruise Control Light (if equipped)	Functioning Cruise Control Light

TOYOTA TACOMA Checklist - these points MUST be checked	2009 -TVIP V5I to ensure a quality installation.RS3200 PLUS
Check:	Look For:
Seat Belt Warning Light	Functioning Seat Belt Warning Light. If the warning light remains on, it may indicate a system malfunction.
Air Bag Warning Light	Functioning Air Bag Warning Light. If the warning light remains on, it may indicate a system malfunction.
ABS Light (if equipped)	Functioning ABS Light. If the warning light remains on, it may indicate a system malfunction.
Lamp Failure Sensor (if equipped)	Functioning Lamp Failure Light. If the warning light remains on, it may indicate a system malfunction.
Track/Skid Control Light (if equip	ped) Functional Track/VSC Light. If the warning light remains on, it may indicate a system malfunction.
HVAC	All HVAC Controls Function
Power Locks (if equipped)	Functioning Power Locks
Power Windows (if equipped)	Functioning Power Windows
Power Seats (if equipped)	Functioning Power Seats
Power Sunroof (if equipped)	Functioning Sunroof
Horn	Functioning Horn
Gauges	Functioning Gauges
Front Wiper/Washer	Functioning Front Wiper/Washer
Rear Wiper/Washer (if equipped)	Functioning Rear Wiper/Washer
Clock (if equipped)	Functioning Clock

TOYOTA TACOMA Checklist - these points MUST be checked to er	2009 - nsure a quality installation.	TVIP V5 RS3200 PLUS	
Check:	Look For:	Look For:	
Accessory Power Socket (if equipped)	Functioning Power Soc	Functioning Power Socket	
Starter	Functioning Starter	Functioning Starter	
Audio/Video (if equipped)	Functioning Audio/Vic	leo	
Power Sliding Door (if equipped)	Functioning Power Slic	ding Door	
Convenience Memory Settings (if equipped)	Functioning Memory S	ettings	
Heated Seats (if equipped)	Functioning Heated Se	ats	
Massage Seats (if equipped)	Functioning Massage S	Seats	
Rear Window Defogger (if equipped)	Functioning Rear Wind	low Defogger	
Power Side Mirrors (if equipped)	Functioning Power Sid	e Mirrors	
Side Mirror Defogger (if equipped)	Functioning Side Mirro	or Defogger	
Front Windshield Defogger (if equipped) Functioning Front Win	dshield Defogger	
Navigation System (if equipped)	Functioning Navigation	n System	
Steering Column Check (if equipped)	Functioning Steering C	Column	
Remove the appropriate fuse after			
checks are completed.			