TOYOTA

Toyota Motor Sales, U.S.A., Inc.
19001 South Western Avenue, S207
Torrance, CA 90509-2991

TMS-NTC-13034
January 23, 2013

Recall Management Division
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, DC 20590

Re: Toyota Safety Recall 12V-536 – Dealer Notification - Remedy

To whom it may concern,

Please find attached the Dealer Notification - Remedy Letter for Toyota Safety Recall 12V-536 on the following Toyota vehicles:

- 2004 to certain 2009 Model Year Prius

If you have any questions regarding this matter, please contact me at (310) 468-5316.

Sincerely,

Quality Compliance Assistant Manager

Attachments:
- Toyota 12V-536 (C0U) Dealer Notification (Remedy)

Original sent to Dealers 1/15/13

TOYOTA

Toyota Motor Sales, U.S.A., Inc.
19001 South Western Avenue
Torrance, CA 90501
(310) 468-4000

To: All Toyota Dealer Principals, Service Managers, and Parts Managers

Subject: Safety Recall C0U – ***Remedy Parts Available***
2004 to Certain 2009 Model Year Prius Vehicles
Hybrid Electric Water Pump

As previously announced, in November, 2012, Toyota filed a Defect Information Report (DIR) with the National Highway Traffic Safety Administration (NHTSA) informing the agency of our intent to conduct a voluntary Safety Recall on 2004 to certain 2009 model year Prius vehicles.

Toyota has completed parts preparation and will now begin mailing the remedy owner letter.

Condition

There is a possibility that the coil wire of the electric motor installed in the Water Pump for the Hybrid System may have been scratched during the coiling manufacturing process at the supplier. In this condition, the coil wire may corrode at the scratched portion and in some cases break. If this occurs, the water pump could stop, leading to the illumination of various warning lights in the instrument panel. There is also the potential that a short circuit can occur between adjacent coil wires, resulting in an open fuse for the electric power supply circuit. If the fuse is open, the hybrid system will stop while the vehicle is being driven, which may increase the risk of a crash.

Remedy

Toyota dealers will replace the Hybrid Electric Water Pump at **NO CHARGE** to the vehicle owner. For additional information on inspection and repair procedures, please refer to TIS.

The following vital information is provided to inform you and your dealers of the **remedy** owner notification phase of this campaign and your degree of involvement.

1. Owner Letter Mailing Date

Toyota has completed parts preparation and will begin to notify owners of the Remedy Phase in Mid-January, 2013. The owner notification will be mailed in quantities consistent with parts availability and repair capacity.

Toyota tries very hard to obtain current customer name and address information when mailing owner letters. In the event your dealership receives a notice for a vehicle that was sold prior to the Safety Recall announcement, it is the dealership's responsibility to forward the owner letter to the customer who purchased the vehicle.

Please note that only owners of the covered vehicles will be notified. If dealers are contacted by an owner who has not yet received a notification, please instruct them to ***verify eligibility by confirming through Dealer Daily/TIS prior to performing repairs***. Dealers should perform the repair as outlined in the Technical Instructions found on TIS.

2. Used Vehicles in Dealership Inventory (In-Stock Vehicles and Toyota Rent-A-Car (TRAC))

Toyota requests dealers to conduct the remedy on any pre-owned vehicles currently in dealer inventory that are covered by this Safety Recall prior to delivery to the customer.

3. Dealer/Owner Lists

Summary Reports, containing the number of covered vehicles in your dealership's primary marketing area, have been enclosed in the dealer package. (Please verify eligibility by confirming through Dealer Daily or TIS prior to performing repairs.)

4. Number and Identification of Covered Vehicles

There are approximately 350,000 Prius (2004 to certain 2009 model year) vehicles covered by this Safety Recall in the U.S.

Model	WMI	MY	VDS	START	FINISH
Prius	JTD	2004	KB20U	0001175	0116869
			KB22U	0001260	0116749
		2005	KB20U	0116878	0133247
				3000027	3128073
				7004347	7057932
			KB22U	0116886	0132689
				3000115	3128039
				7004602	7057877
		2006	KB20U	3099688	3202420
				7057977	7545072
			KB22U	3128125	3202418
				7056471	7544598
		2007	KB20U	3202456	3296439
				7083529	7694891
		2008	KB20U	3291973	3462539
				7690436	7818544
		2009	KB20U	3458507	3546425
				7815791	7894047

Please note that only owners of the covered vehicles will be notified. If a dealer is contacted by an owner who has not yet received the notification, please instruct the dealer to ***verify coverage by confirming through Dealer Daily/TIS.*** Dealers should perform the procedure as outlined in the Technical Instructions located on TIS.

A UIO matrix by state is provided to inform your dealership of the number of covered vehicles in your state.

STATE	UIO
AK	653
AL	2,546
AR	2,131
AZ	9,379
CA	81,500
CO	7,112
CT	5,582
DC	1,158
DE	951
FL	16,927
GA	6,372

STATE	UIO
HI	1,660
IA	2,991
ID	1,536
IL	12,393
IN	5,225
KS	2,558
KY	2,642
LA	1,895
MA	10,788
MD	8,324
ME	2,219

STATE	UIO
MI	5,549
MN	6,954
MO	4,902
MS	1,160
MT	1,137
NC	9,819
ND	357
NE	1,282
NH	2,379
NJ	8,244
NM	2,269

STATE	UIO
NV	2,585
NY	16,771
OH	8,727
OK	2,320
OR	7,844
PA	11,439
RI	1,235
SC	3,132
SD	581
TN	4,200
TX	18,437

STATE	UIO
UT	2,791
VA	11,653
VT	1,711
WA	13,773
WI	6,452
WV	989
WY	473

5. LSC A0N related update

Please note that the LSC A0N is now superseded by Safety Recall C0U. Any non-completed vehicles covered by A0N are now loaded under C0U as not completed.

6. Super Long Life Coolant

Chemical Part No.	Chemical Name	Qty/Unit
00272-SLLC2	Toyota Genuine 50/50 Pre-Diluted Super Long Life Coolant (SLLC)	1 Gal.

Toyota Genuine 50/50 Pre-Diluted Super Long Life Coolant (SLLC) can be ordered through the Toyota Chemical Program and will be drop shipped from AMREP.

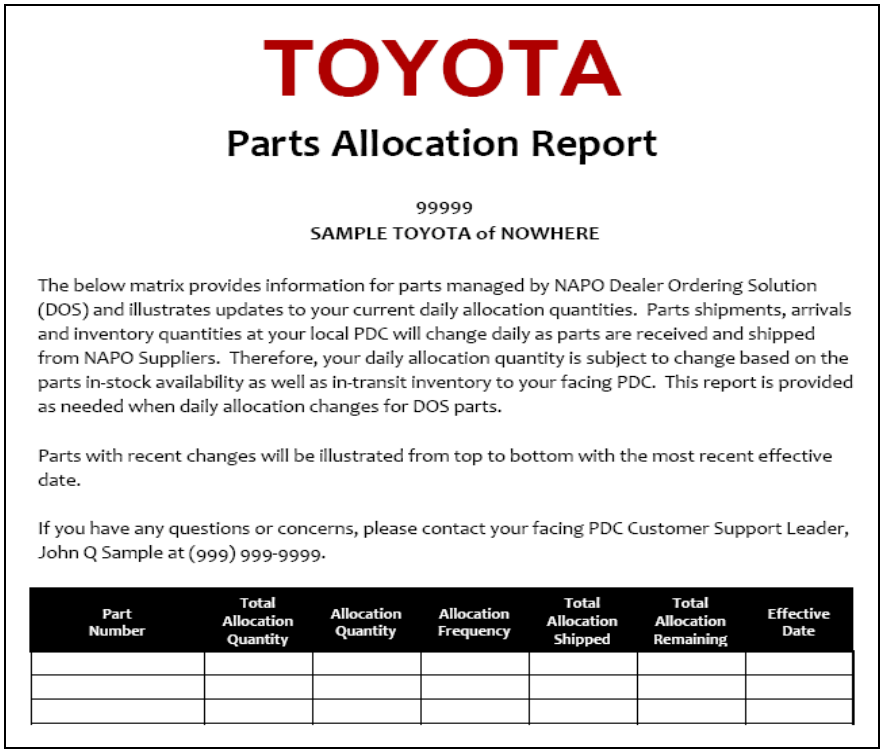
7. Parts Ordering Process (Dealer Ordering Solutions)

Orders can be placed through your dealership's facing PDC. The parts have been placed on dealer ordering solutions; please refer to the Weekly Parts Allocation Report for additional details. *All parts replaced for this Safety Recall are subject to Warranty Parts Recovery.*

Model Application	Part No.	Part Name	Qty/Unit
Prius	04000-32528	Hybrid Water Pump Kit	1
The kit above includes the following parts: G9020-47031 = Hybrid Water Pump = Quantity 1 90430-18008 = Hybrid Water Pump Gasket = Quantity 1			

- If additional quantities are required, please contact your facing PDC Customer Support Leader.

Each dealership will receive specific dealer ordering criteria in an email from their facing PDC Manager based on Repair Order Volume * PDC Affected UIO. Therefore, it is vital that each dealership work with both Parts and Service to immediately file Safety Recall claims and coordinate appropriate kit orders. A sample of the Parts Allocation Report has been attached below for your reference.



TOYOTA

Parts Allocation Report

99999
SAMPLE TOYOTA of NOWHERE

The below matrix provides information for parts managed by NAPO Dealer Ordering Solution (DOS) and illustrates updates to your current daily allocation quantities. Parts shipments, arrivals and inventory quantities at your local PDC will change daily as parts are received and shipped from NAPO Suppliers. Therefore, your daily allocation quantity is subject to change based on the parts in-stock availability as well as in-transit inventory to your facing PDC. This report is provided as needed when daily allocation changes for DOS parts.

Parts with recent changes will be illustrated from top to bottom with the most recent effective date.

If you have any questions or concerns, please contact your facing PDC Customer Support Leader, John Q Sample at (999) 999-9999.

Part Number	Total Allocation Quantity	Allocation Quantity	Allocation Frequency	Total Allocation Shipped	Total Allocation Remaining	Effective Date

IMPORTANT PARTS ORDERING UPDATE

All Safety Recall, Service Campaign (SSC/LSC) and Customer Support Program (CSP) parts will be eligible for the Monthly Parts Return Program. Please refer to PANT Bulletin 2011-087 for campaign parts that are currently returnable under the Monthly Parts Return Program and additional details.

Note: Chemicals, such as Grease, are not eligible for the Monthly Parts Return Program.

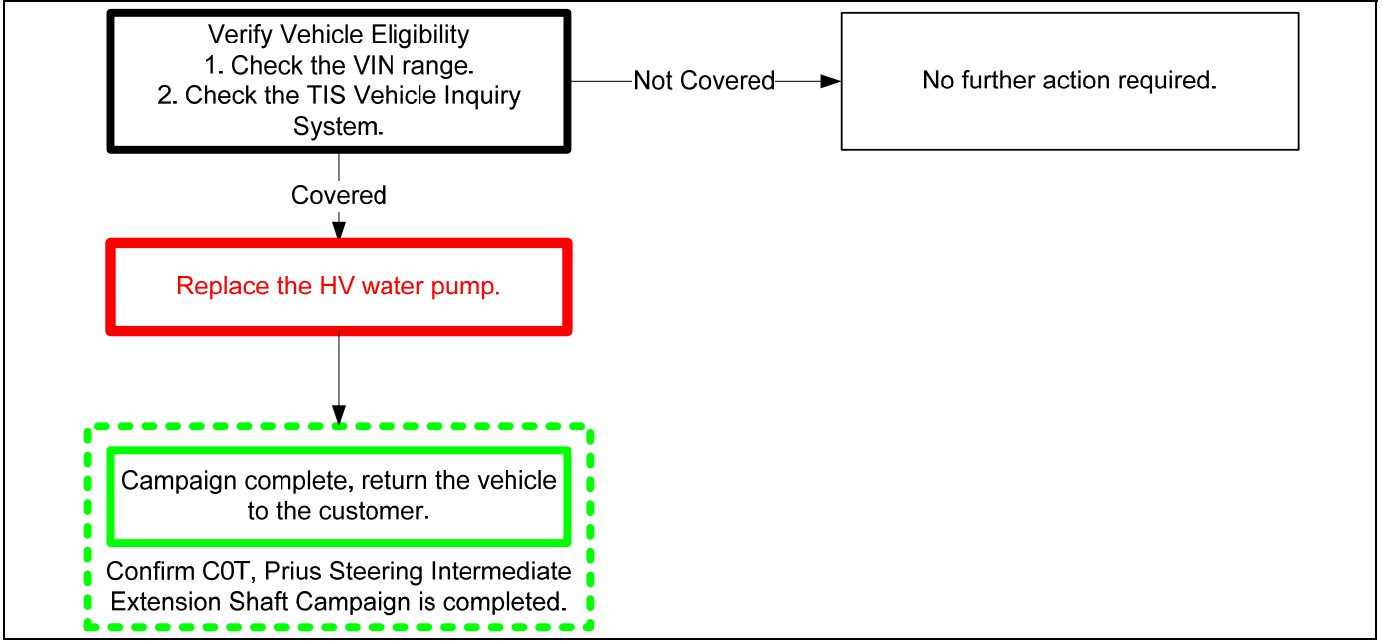
8. Remedy Procedures

Please refer to TIS for Technical Instructions on inspection and repair.

Conduct all applicable, non-completed Safety Recall and Service Campaigns on the vehicle during the time of appointment.

9. Warranty Reimbursement Procedure

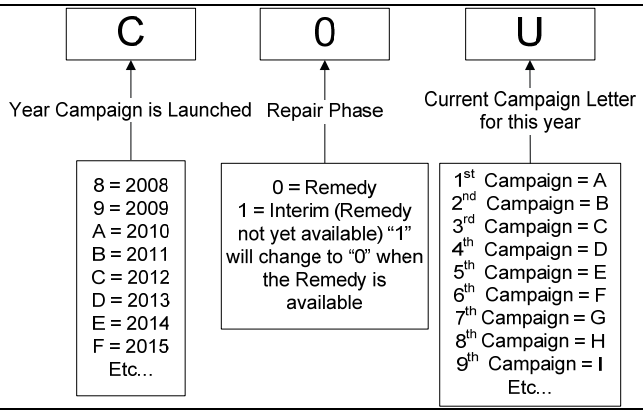
2004 to Certain 2009 Model Year Prius Vehicles



Model	Op. Code	Description	Flat Rate Hour
Prius	2508LA	Replace the Hybrid Electric Water Pump	*1.1 hr/vehicle*

- Coolant Sublet: The cost of 50/50 Pre-Mix Super Long Life Coolant (00272-SLLC2) can be claimed as sublet type “OF” at a maximum of 2.8L ($15.05 per vehicle) under Op. Code 2508LA
- Towing Sublet: If the customer’s vehicle required towing to the dealership, use “TW” sublet type under Op. Codes 2508LA for the total amount of the towing service.
- 0.1 hr/vehicle of administrative cost is covered under Safety Recall C0T because all vehicles covered by C0U are also covered by C0T.

Campaign Designation Decoder



Examples:
A0D = Launched in 2010, Remedy Phase, 4th Campaign Launched in 2010
B1M = Launched in 2011, Interim Phase, 13th Campaign Launched in 2011
C0B = Launched in 2012, Remedy Phase, 2nd Campaign Launched in 2012

10. Repair Quality Confirmation

The repair quality of covered vehicles is extremely important to Toyota. To help ensure that all vehicles have the repair performed correctly, please designate at least one associate (someone other than the individual who performed the repair) to verify the repair quality of every vehicle prior to customer delivery.

11. Media Contacts

It is imperative that all media contacts (local and national) receive a consistent message. In this regard, all media contacts must be directed to Brian Lyons (310) 468-2552 in Toyota Corporate Communications. (Please do not provide this number to customers. Please provide this contact to only media associates.)

12. Customer Contacts

A Q&A has been attached for your use in the event you receive a customer contact. If a customer has further questions, please direct the inquiry to the Toyota Customer Experience Center at 1-800-331-4331.

Please review this entire package with your Service and Parts staff to familiarize them with the proper step-by-step procedures required to implement this Safety Recall.

Thank you for your cooperation.
TOYOTA MOTOR SALES, U.S.A., INC.

Safety Recall C0U
2004 through Certain 2009 Model Year Prius Vehicles
Hybrid Electric Water Pump Q&A

Q1: What is the condition?

A1: There is a possibility that the coil wire of the electric motor installed in the Water Pump for the Hybrid System may have been scratched during the coiling manufacturing process at the supplier. In this condition, the coil wire may corrode at the scratched portion and in some cases break. If this occurs, the water pump could stop, leading to the illumination of various warning lights in the instrument panel. There is also the potential that a short circuit can occur between adjacent coil wires, resulting in an open fuse for the electric power supply circuit. If the fuse is open, the hybrid system will stop while the vehicle is being driven, which may increase the risk of a crash.

Q2: What is the Hybrid Electric Water Pump?

A2: The Hybrid Electric Water Pump (HV Water Pump) is an electrically driven coolant pump that circulates coolant through the Hybrid System components to provide cooling. The HV Water Pump serves a different purpose than the engine water pump.

Q3: Are there any warning that this condition exists?

A3: There are no warnings prior to the condition occurring. However, if this condition has occurred on the vehicle, a Malfunction Indicator Light, Master Warning Light and/or Hybrid System Warning Light may be illuminated*. In limited cases, if the pump failure causes the power fuse to become open, the Malfunction Indicator Light will not illuminate.
**Diagnostic code P0A93, with information code 346 will be recorded in the Hybrid Electronic Control Module (HV ECM). This code indicates the inverter coolant temperature became higher than the vehicle's HV ECM's expected value.*

Q3a: What if a customer has the Malfunction Indicator Light illuminated?

A3a: If the customer experiences a check engine light "ON" condition, the vehicle will continue to operate. However, the customer should contact an authorized Toyota dealer for diagnosis and, if applicable, repair. If the customer is not able to immediately service the vehicle, he or she should confirm that there is sufficient coolant for the Hybrid System before operating the vehicle. The vehicle should be serviced as soon as possible.

Q4: What is Toyota going to do?

A4: Toyota mailed an interim owner notification in Mid-December 2012. The interim owner notification letter advised owners: (1) of this safety recall, (2) of the fact they will receive a future notice once the remedy is available.

Owners of vehicles that are covered by this campaign will receive the second notification via first class mail starting in January, 2013. Any authorized Toyota dealer will replace the HV Water Pump assembly with an improved one at **NO CHARGE** to the vehicle owner.

Q5: Which and how many vehicles are covered by this Safety Recall?

A5: There are approximately 350,000 Prius (2004 through certain 2009 Model Year) vehicles covered by this Safety Recall.

Model Name	Model Year	Production Period	Number of Vehicles
Toyota Prius	2004 through certain 2009	Early August, 2003 Through Late March, 2009	Approximately 350,000 units

Q6: Are there any other Toyota, Lexus or Scion vehicles covered by this Safety Recall?

A6: This condition only affects 2004 through certain 2009 model year Prius vehicles. However, Toyota will also be repairing a number of Fuel Cell Hybrid Vehicles that have been placed in operation in test fleets.

Q6a: Why aren't other HV models included in this campaign?

A6a: Other models have a HV water pump manufactured using a different process.

Q7: How long will the repair take?

A7: The repair will take approximately 2.0 hours. However, depending upon the dealer's work schedule, it may be necessary for the owner to make the vehicle available for a longer period of time.

Q8: What is the difference between this Safety Recall and Limited Service Campaign (LSC) A0N which was previously announced?

A8: LSC A0N was to address concerns over potential errors during the inspection and maintenance of the vehicle's hybrid coolant system where air was introduced. That air may remain at the bearing of the HV Water Pump, causing actuation to be slow, resulting in higher coolant temperature and illumination of the Malfunction Indicator Light.

This Safety Recall is to address a manufacturing concern with the vehicle's Hybrid Electric Water Pump assembly which could cause a short circuit, resulting in hybrid system stoppage.

Q8a: If the customer had the remedy for LSC A0N performed, will he/she need to have the Hybrid Electric Water Pump replaced again?

A8a: No. If the vehicle has had the remedy for LSC A0N performed, it will not require water pump replacement again, because the replacement water pumps used in the LSC do not have possible coil wire scratching.

Q9: What if an owner has previously paid for repairs for this condition?

A9: Owner reimbursement instructions will be provided in the remedy owner letter.

Q10: What if an owner has additional questions or concerns?

A10: Owners with questions or concerns are asked to please contact the Toyota Customer Experience Center at 1-888-270-9371 Monday through Friday, 5:00 am to 6:00 pm, or Saturday 7:00 am through 4:00 pm Pacific Time.

URGENT SAFETY RECALL
This is an important Safety Recall.
The remedy will be performed at **NO CHARGE** to you.

2004 to certain 2009 Model Year Prius Vehicles
C0U - Hybrid Electric Water Pump
SAFETY RECALL NOTICE *(Remedy Available)*

[VIN]
Dear Toyota Customer:
This notice is being sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Toyota has decided that a defect, which relates to motor vehicle safety, exists in some 2004 to certain 2009 Model Year Prius vehicles.

What is the condition?

There is a possibility that the coil wire of the electric motor installed in the Water Pump for the Hybrid System may have been scratched during the coiling manufacturing process at the supplier. In this condition, the coil wire may corrode at the scratched portion and in some cases break. If this occurs, the water pump could stop, leading to the illumination of various warning lights in the instrument panel. There is also the potential that a short circuit can occur between adjacent coil wires, resulting in an open fuse for the electric power supply circuit. If the fuse is open, the hybrid system will stop while the vehicle is being driven, which may increase the risk of a crash.

What will Toyota do?

The remedy for your vehicle is available. Any authorized Toyota dealer will replace the Hybrid Electric Water Pump at **NO CHARGE** to you.

What should you do?

This is an important Safety Recall
Please contact any authorized Toyota dealer and make an appointment to have the remedy performed as soon as possible.

The replacement of the Hybrid Electric Water Pump will take approximately 1 hour. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

You do not need an owner letter to have this recall completed; however, to assist the dealer in confirming vehicle eligibility, we request that you present this notice at the time of your service appointment.

If you would like to update your vehicle ownership or contact information, you may do so by registering at www.toyota.com/ownersupdate. You will need your full 17-digit Vehicle Identification Number (VIN) to input the new information.

What if you have other questions?

- Your local Toyota dealer will be more than happy to answer any of your questions and set up an appointment to perform the repair.
- You can find additional information and locate a Toyota dealer in your area by going online and visiting www.toyota.com/recall.
- Additional information is also available by contacting the Toyota Customer Experience Center at 1-888-270-9371 Monday through Friday, 5:00 am to 6:00 pm, or Saturday 7:00 am through 4:00 pm Pacific Time.

If you believe that the dealer or Toyota has failed or is unable to remedy the defect within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue S.E., Washington, D.C. 20590, or call the toll free Vehicle Safety Hot Line at 1-888-327-4236 (TTY: 1-800-424-9153), or go to http://www.safercar.gov.

What if you have previously paid for repairs to your vehicle for this specific condition?

If you have previously paid for repair to your vehicle for this specific condition prior to receiving this letter, please mail a copy of your repair order, proof-of-payment and proof-of-ownership to the following address for reimbursement consideration:

Toyota Motor Sales, U.S.A., Inc
Toyota Customer Experience, WC 10
19001 South Western Avenue
Torrance, CA 90509

If you are a vehicle lessor, Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

We have sent this notice in the interest of your continued satisfaction with our products, and we sincerely regret any inconvenience this condition may have caused you.

Thank you for driving a Toyota.

Sincerely,

TOYOTA MOTOR SALES, U.S.A., INC.

TECHNICAL INSTRUCTIONS

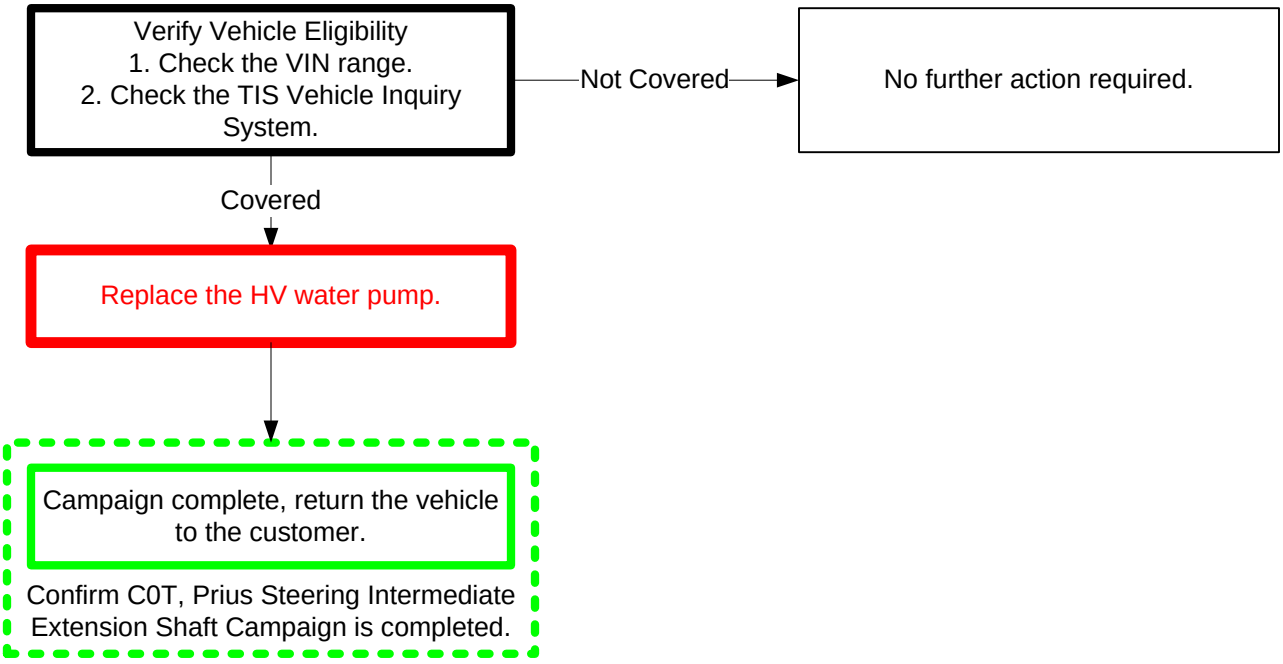
FOR

SAFETY RECALL C0U

HYBRID ELECTRIC WATER PUMP REPLACEMENT

2004 – CERTAIN 2009 MODEL YEAR PRIUS

I. OPERATION FLOW CHART



II. IDENTIFICATION OF AFFECTED VEHICLES

A. COVERED VIN RANGE

WMI	Year	VIN Range	
		VDS	Range
JTD	2004	KB20U	0001175-0116869
		KB22U	0001260-0116749
	2005	KB20U	0116878-0133247
			3000027-3128073
			7004347-7057932
		KB22U	0116886-0132689
			3000115-3128039
			7004602-7057877
	2006	KB20U	3099688-3202420
			7057977-7545072
		KB22U	3128125-3202418
			7056471-7544598
	2007	KB20U	3202456-3296439
			7083529-7694891
	2008	KB20U	3291973-3462539
			7690436-7818544
	2009	KB20U	3458507-3546425
			7815791-7894047

NOTE:

- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Safety Recall, and that the campaign has not already been completed prior to dealer shipment or by another dealer.
- TMS warranty will not reimburse dealers for repairs conducted on vehicles that are not affected or were completed by another dealer.

III. PREPARATION

A. PARTS

Part Number	Part Description	Quantity
04000-32528	HV Electric Water Pump Kit*	1
*The kit above includes the following parts.		
G9020-47031	HV Water Pump	1
90430-18008	Gasket	1

B. TOOLS & EQUIPMENT

- Radiator cap tester with adapter set C
- Standard hand tools
- Torque wrench
- Transparent hose (inner diameter: approx. 6mm, length: approx. 450mm)

C. SUPPLIES

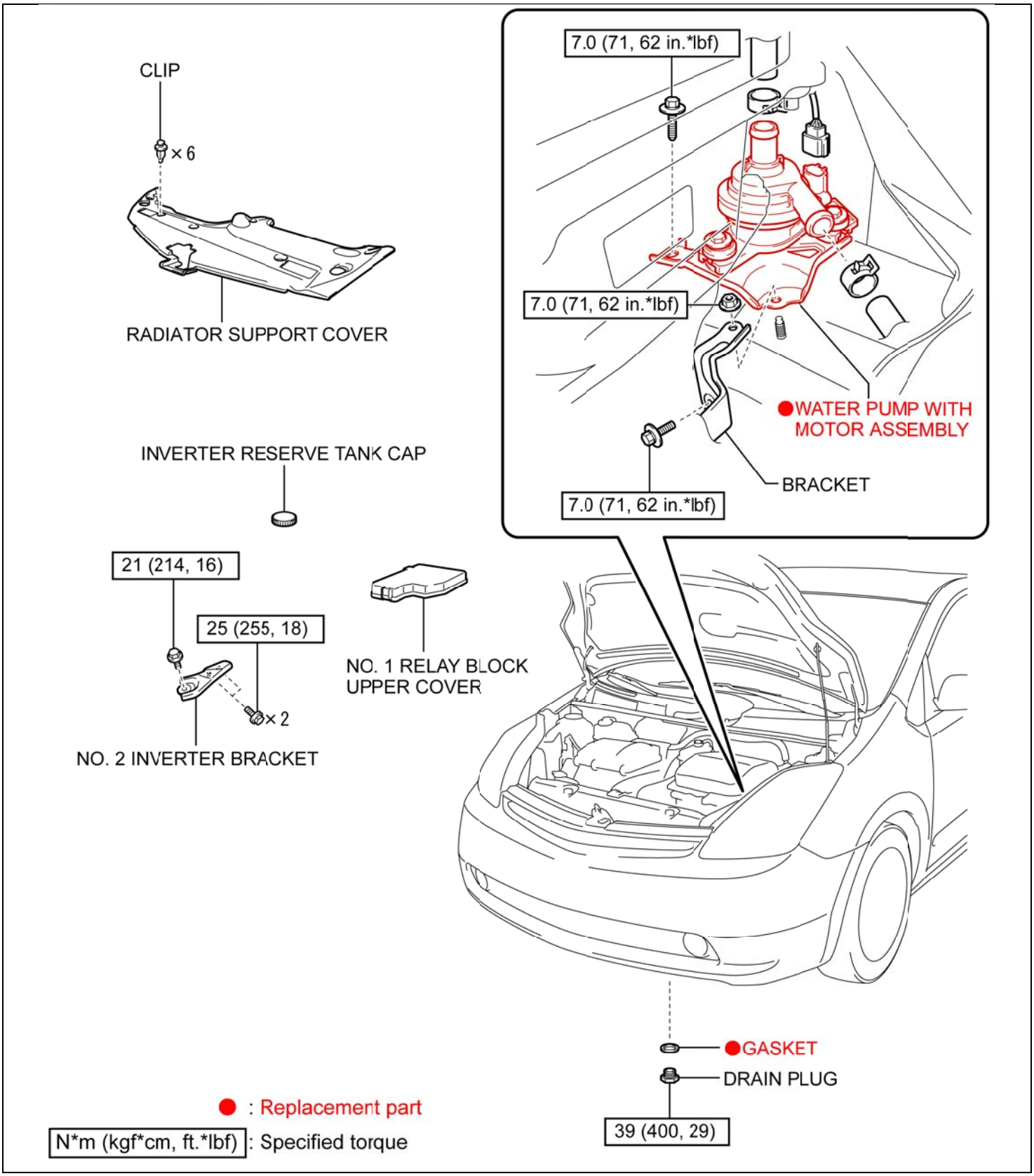
Part Name	Quantity
Toyota Genuine 50/50 Pre-Diluted SLLC	Approximately 2.85 quarts

IV. BACKGROUND

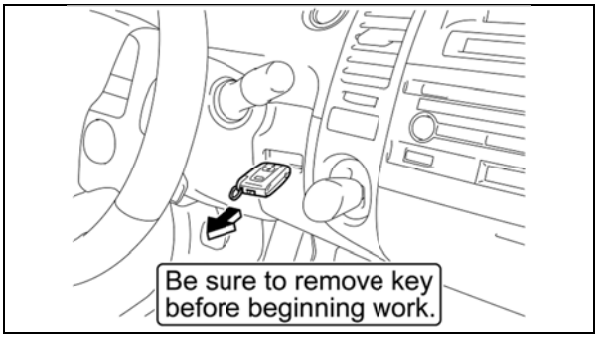
There is a possibility that the coil wire of the electric motor installed in the Water Pump for the Hybrid System may have been scratched during the coiling manufacturing process at the supplier. In this condition, the coil wire may corrode at the scratched portion and in some cases break. If this occurs, the water pump could stop, leading to the illumination of various warning lights in the instrument panel. In limited instances, a short circuit can occur between adjacent coil wires, resulting in an open fuse for the electric power supply circuit. If the fuse is open, the hybrid system will stop while the vehicle is being driven, which may increase the risk of an accident.

V. WORK PROCEDURE

A. COMPONENTS

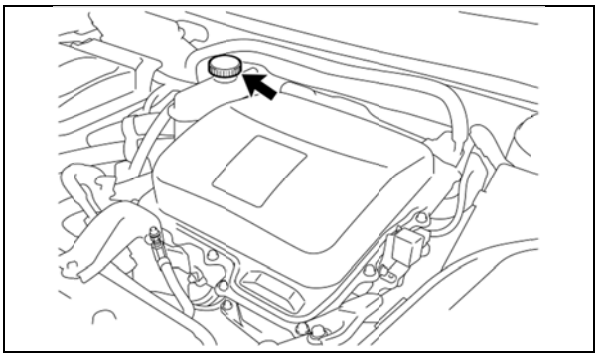


B. HV WATER PUMP REMOVAL



1. REMOVE THE KEY

a) Remove the key from the ignition and keep it in your pocket to prevent other from startingt the vehicle.

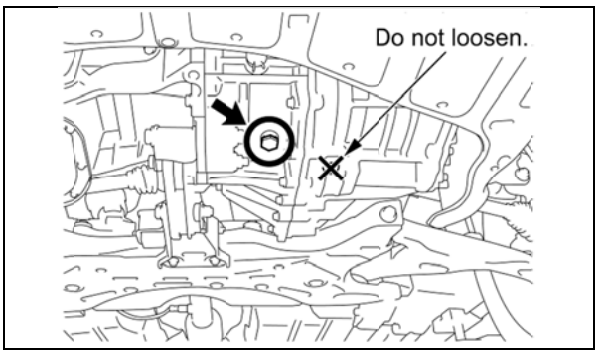


2. DRAIN THE COOLANT FROM THE INVERTER

a) Remove the 6 clips and the radiator support cover.

b) Remove the inverter reserve tank cap.

NOTE: The inverter / coolant may be hot, take precautions when removing the reserve tank cap to prevent potential injuries



c) Remove the inverter drain plug.

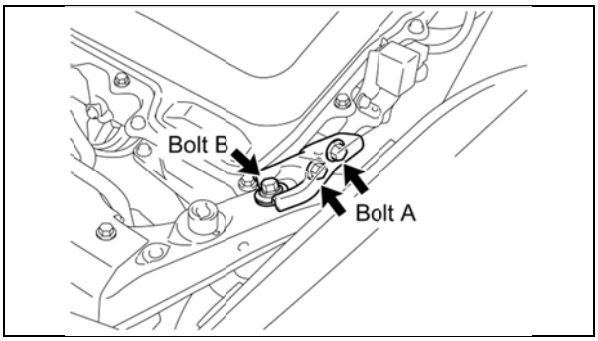
d) Remove and cut the drain plug gasket to prevent it from being reused.

e) Install a ***NEW*** drain plug gasket.

f) Reinstall the drain plug and torque to specification.

Torque: 29ft. lbf (39N·m)

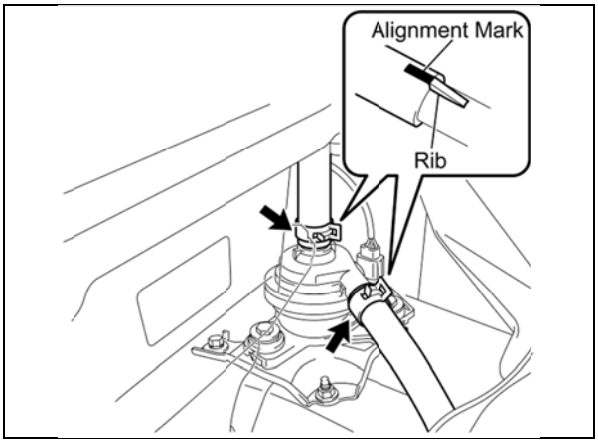
NOTE: The inverter / coolant may be hot, take precautions when removing the reserve tank cap to prevent potential injuries



3. REMOVE THE No.2 INVERTER BRACKET

a) Remove the 3 bolts and the bracket.

NOTE: There are 2 different bolt types (A & B) used to secure the bracket.

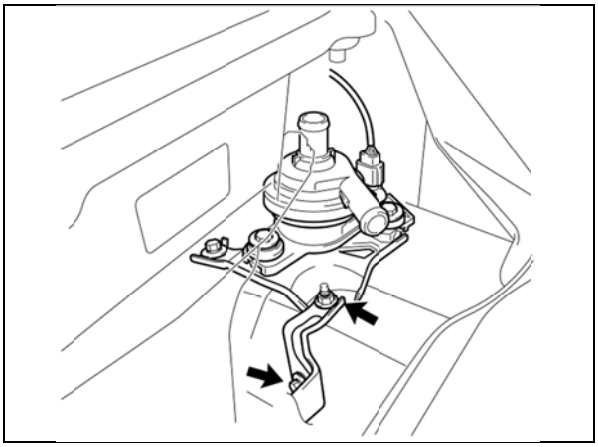


4. REMOVE THE HV WATER PUMP ASSEMBLY

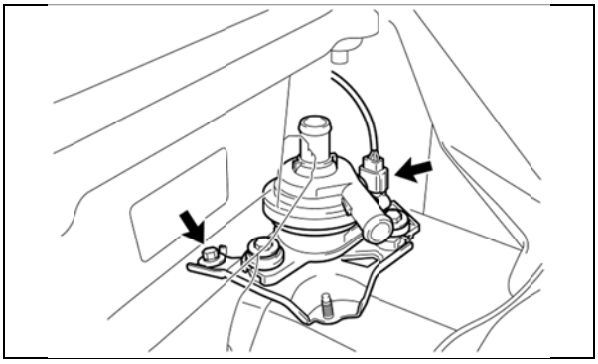
a) Place an alignment mark locating the HV water pump rib on the 2 hoses.

b) Disconnect the 2 hoses by loosening the 2 clamps.

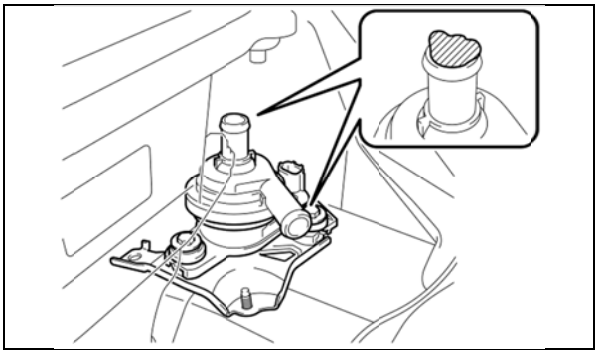
NOTE: The alignment mark is used to prevent twisting of the hoses during reassembly.



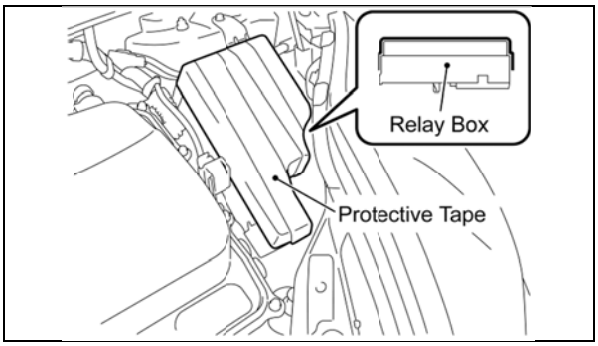
c) Remove the nut, bolt, and bracket.



d) Remove the connector and bolt.



e) Plug the HV water pump ports with paper towels or shop cloths.

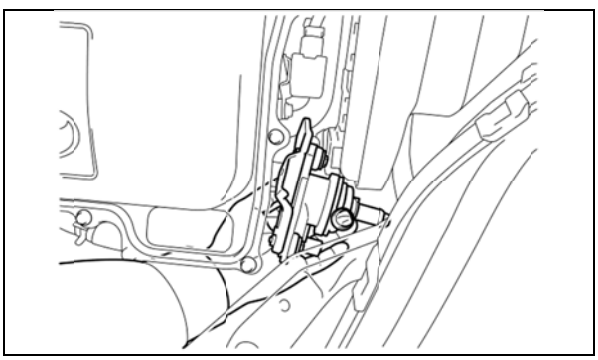


f) Remove the relay box cover.

g) Place protective tape over the relay box to prevent water from entering it when removing the HV water pump.

NOTE:

- ***DO NOT* allow coolant to enter the relay box, doing so will cause it to malfunction.**
- **Place the protective tape so that is covers all the edges of the relay box.**

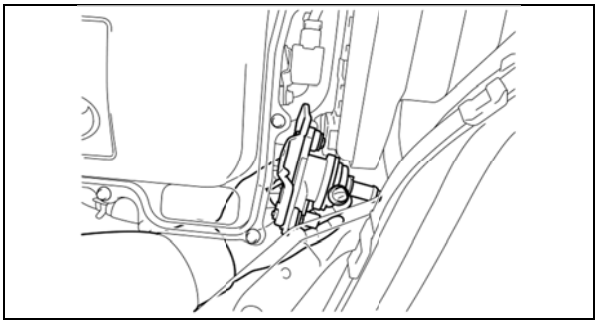


h) Remove the HV water pump from the vehicle by lifting it out as shown.

i) Place a mark on the original HV water pump to prevent it from being reused.

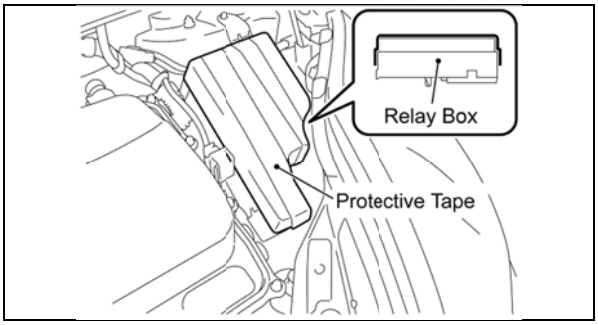
NOTE: DO NOT allow coolant to spill onto the relay box.

C. HV WATER PUMP INSTALLATION



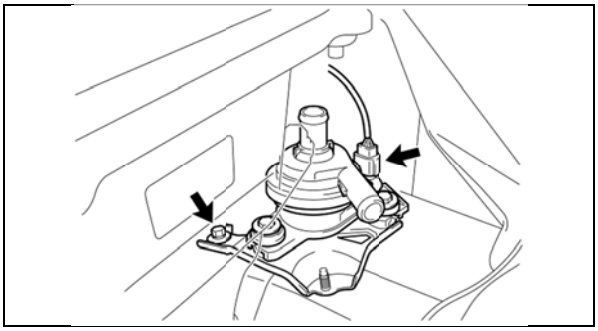
1. INSTALL THE *NEW* HV WATER PUMP

a) Install the ***NEW*** HV water pump by lowering it into the vehicle as shown.



b) Remove the protective tape from the relay box.

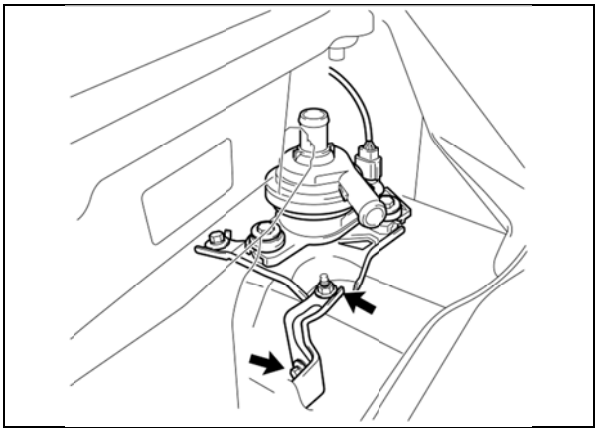
c) Reinstall the relay box cover.



d) Reinstall the bolt and torque to spec.

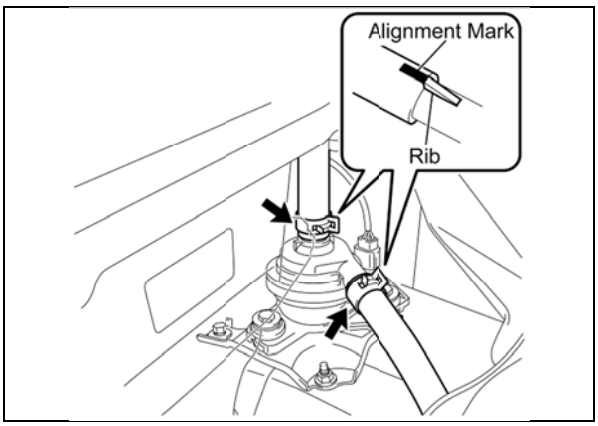
Torque Spec: 62in. lbf (7.0N·m)

e) Reconnect the connector.

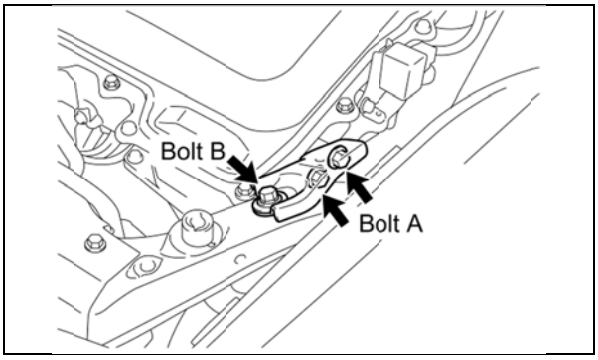


f) Reinstall the bracket with the bolt and nut, then torque to spec.

Torque Spec: 62in. lbf (7.0N·m)



g) Using the alignment marks, reconnect the 2 hoses with the 2 clamps.

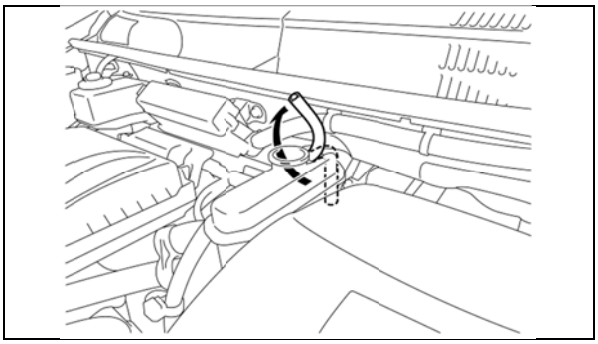


2. REINSTALL THE NO. 2 INVERTER BRACKET

a) Reinstall the No. 2 inverter bracket with the 3 bolts and torque to spec.

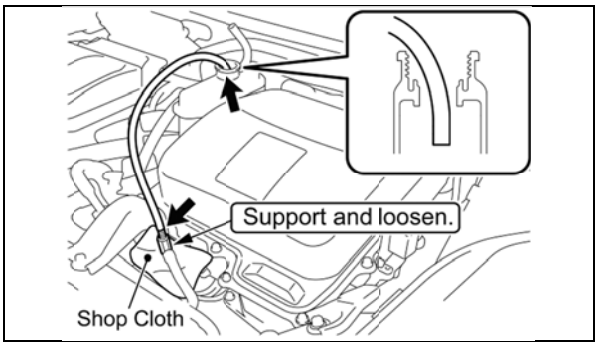
Torque:

- **Bolt A – 18ft. lbf (25N·m)**
- **Bolt B – 16ft. lbf (21N·m)**



3. ADD COOLANT

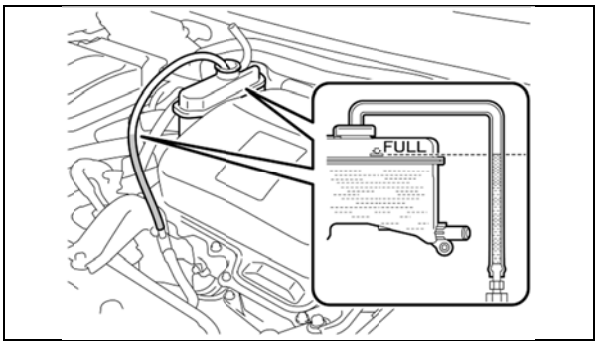
a) Place the reserve tank hose in the upward position.



b) Place a paper towel or shop cloth underneath the inverter bleeder plug.

c) Support and loosen the bleeder plug screw, then connect a transparent hose (inner diameter: approx. 6 mm, length: approx. 450 mm) to it and insert the other end into the reserve tank.

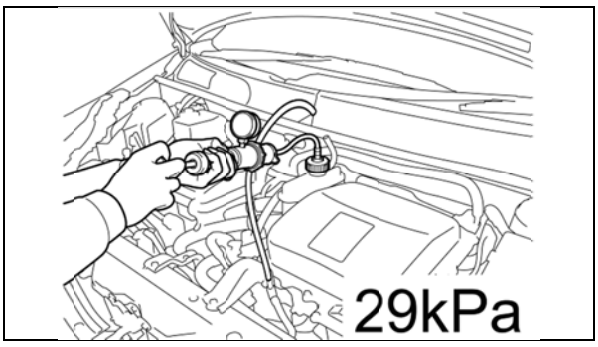
NOTE: Support the base of the bleeder screw when loosening it to prevent deformation or damage to the attachment bracket.



d) Add coolant until the level in the hose is even with the reserve tank FULL marking.

e) Close the bleeder plug and torque to spec.

Torque: 98in. lbf (11N·m)



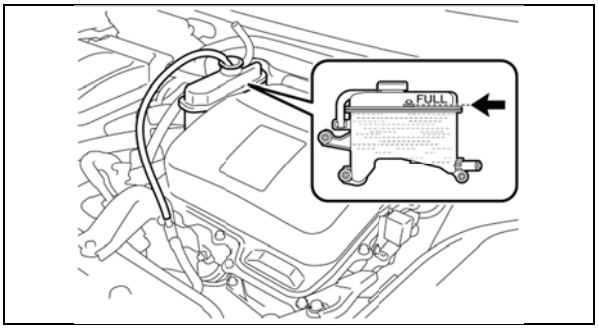
4. PERFORM A PRELIMINARY COOLANT LEAK TEST

a) Temporarily remove the hose from the reserve tank.

b) Install the radiator cap tester onto the reserve tank.

c) Pump the tester to 29 kPa (0.3 kgf/cm^2, 4.2 psi) and inspect for coolant leaks.

d) Remove the radiator cap tester.



5. BLEED THE INVERTER COOLING SYSTEM

a) Reinstall the hose to the reserve tank.

b) Verify that the reserve tank coolant level if at the FULL mark.

c) Bleeding The Inverter Cooling System – Part 1:

i. Loosen the bleeder screw.

ii. Push the power switch to turn IG ON and operate the water pump for approximately 5 seconds, then switch the IG OFF.

iii. Add coolant to the reserve tank until the level is at the FULL mark.

iv. Repeat steps "ii" and "iii" 3 times, and verify that the coolant level is no longer dropping.

NOTE:

- **The initial sound of the HV water pump will subside and become quieter as the air is bleed from the system.**
- **Make sure to switch the IG OFF after 5 seconds. If the HV water pump is operated for more than 5 seconds the reserve tank may become empty, allowing air to enter the system making the bleeding process more difficult.**

d) Bleeding The Inverter Cooling System – Part 2:

i. With the bleeder plug loosened, switch the IG ON and operate the water pump for approximately 1 minute, then switch the IG OFF.

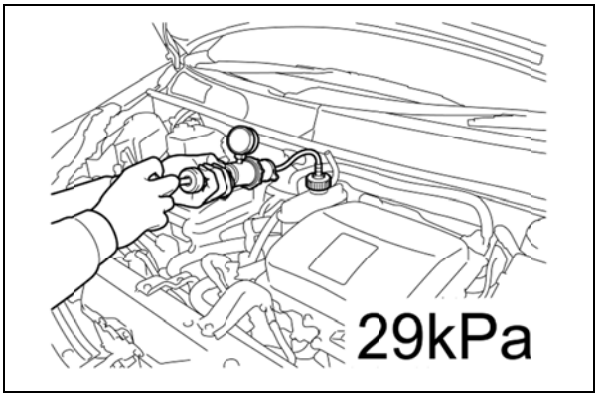
ii. Wait 1 minute, and then switch the IG ON to operate the water pump for approximately 1 minute, and then switch the IG OFF.

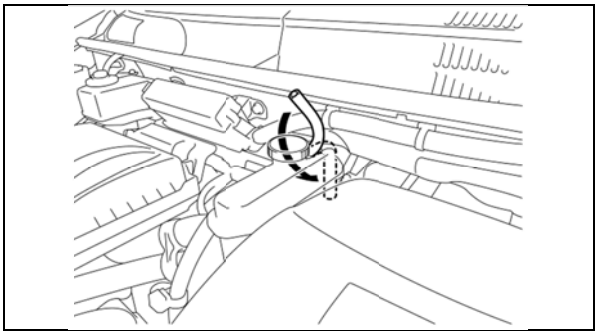
iii. Repeat steps "i" and "ii" a minimum of 3 times in order to bleed the air from the cooling system.

iv. Add coolant to the reserve tank until the level is at FULL mark.

NOTE: Bleeding is complete when the following criteria are met.

- **Steps "i" & "ii" have been repeated a minimum of 3 times.**
- **Air stops coming out of the bleeder screw.**
- **The initial sound of the HV water pump has subsided and become quieter.**





6. PERFORM A FINAL COOLANT LEAK TEST

a) Close the bleeder plug and torque to spec.

Torque: 98in. lbf (11N·m)

b) Remove the hose from the reserve tank and bleeder screw.

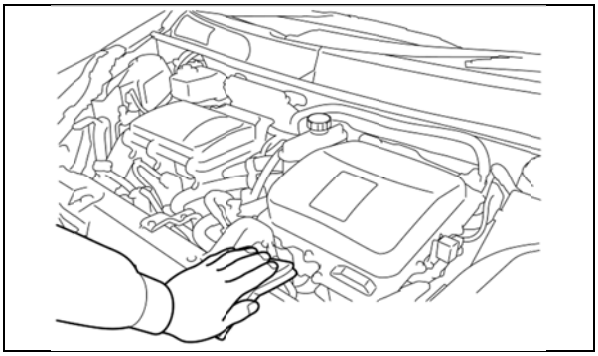
c) Install the radiator cap tester onto the reserve tank.

d) Pump the tester to 29 kPa (0.3 kgf/cm^2, 4.2 psi) and inspect for coolant leaks.

e) Remove the radiator cap tester.

f) Add coolant to the reserve tank until the level is at the FULL mark.

g) Place the reserve tank hose back in the downward position.



h) Wipe any residual coolant.
i) Reinstall the radiator support cover with the 6 clips.

◄ VERIFY REPAIR QUALITY ►

- **Confirm the coolant is filled and bled correctly**
- **Confirm there are no coolant leaks after replacing the pump**
- **Confirm C0T, Prius Steering Intermediate Extension Shaft Campaign is completed**

If you have any questions regarding this update, please contact your regional representative.

VI. APPENDIX

A. CAMPAIGN DESIGNATION DECODER

Examples: A0D = Launched in 2010, Remedy Phase, 4th Campaign Launched in 2010 B1E = Launched in 2011, Interim Phase, 5rd Campaign Launched in 2011 C1C = Launched in 2012, Interim Phase, 3rd Campaign Launched in 2012

B. CAMPAIGN PARTS DISPOSAL

As required by Federal Regulations, please make sure all campaign parts (original parts) removed from the vehicle are disposed of in a manner in which they will not be reused, ***unless requested for parts recovery return.***