

Appendix A

Acronym List

Acronym	Meaning
A/C	Air Conditioning
A/F	Air/Fuel Ratio
A/T	Automatic Transmission (Transaxle)
ABS	Anti-lock Brake System
AC	Alternating Current
ACC	Accessory
ALT	Alternator
AT - PZEV	Advanced Technology - Partial Zero Emissions Vehicle
AUX	Auxiliary
AVC-LAN	Audio Visual Communication - Local Area Network
AVG	Average
B	Regenerative Engine Braking
BA	Brake Assist
BATT	Battery
BEAN	Body Electronic Area Network
CAN	Controller Area Network
CB	Circuit Breaker
CCV	Canister Closed Valve
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
COMB.	Combination
CV	Control Valve
D	Drive
DC	Direct Current
DEF	Defogger
DLC3	Data Link Connector 3
DOHC	Double Over Head Cam
DTC	Diagnostic Tester Code
DVOM	Digital Volt/Ohm Meter
EBD	Electronic Brake Distribution
ECM	Engine Control Module
ECU	Electronic Control Unit
ENG	Engine
EPA	Environmental Protection Agency
EPS	Electric Power Steering
ERG	Emergency Response Guide
ETCS-i	Electronic Throttle Control System w/ intelligence
EVAP	Evaporative Emission
FE	Fuel Economy
FL	Fusible Link
GND	Ground

Acronym	Meaning
GPS	Global Positioning Sensor
HC	Hydrocarbons
HCAC	Hydrocarbon Absorption Catalyst
H-Fuse	High Current Fuse
HV	High Voltage
IAC	Idle Air Control
IC	Integrated Circuit
IG	Ignition
INT	Instrument Panel
LED	Light Emitting Diode
LEV	Low Emissions Vehicle
LLC	Long Life Coolant
MAF	Mass Air Flow
MAX	Maximum
MG1	Motor Generator 1
MG2	Motor Generator 2
MIL	Malfunction Indicator Lamp
MIN	Minimum
N	Neutral
No.	Number
O ₂	Oxygen
OEM	Original Equipment Manufacturing
ORVR	On-board Recovery
P	Park
PCS	Power Control System
PS	Power Steering
PTC	Positive Temperature Coefficient
R	Reverse
RAM	Random Access Memory
RBS	Regenerative Brake System
RLY	Relay
SEN	Sensor
SFI	Sequential Multiport Fuel Injection
SLLC	Super Long Life Coolant
SMR	System Main Relay
SOC	State of Charge
SRS	Supplemental Restraint System
SST	Special Service Tool
SULEV	Super Ultra Low Emissions Vehicle
SW	Switch
TAS	Technical Assistant System
THS	Toyota Hybrid System

Acronym	Meaning
TIS	Toyota Information System
TPS	Throttle Position Sensor
TRAC	Traction Control System
TWC	Three Way Catalytic Converter
ULEV	Ultra Low Emissions Vehicle
V	Volts
VENT	Ventilator
VIM	Vehicle Interface Module
VIN	Vehicle Identification Number
VPS	Vapor Pressure Sensor
VSC	Vehicle Stability Control
VSV	Vacuum Switching Valve
VVT-i	Variable Valve Timing with Intelligence
WOT	Wide Open Throttle
ZEV	Zero Emissions Vehicle

Appendix B

Hybrid Vehicle Do's and Don'ts



DO NOT



DO

<p>DO NOT leave the key in the ON position with the vehicle OFF for an extended period of time. (The 12-Volt auxiliary battery will quickly discharge.)</p>	<p>DO turn the key OFF or leave the vehicle running (READY light ON) to avoid discharge of the 12-Volt battery.</p>
<p>DO NOT leave the auxiliary battery connected to the vehicle if it will be sitting for over three weeks.</p>	<p>DO disconnect the auxiliary battery if the vehicle will be sitting for over three weeks.</p>
<p>DO NOT charge the auxiliary battery with a regular battery charger.</p>	<p>DO pulse charge the auxiliary battery with Toyota's charger. (It must be recharged at a rate of no more than 3.5A or damage will occur.)</p>
<p>DO NOT tow the Prius with all four wheels on the ground. (Will create electricity.)</p>	<p>DO tow the Prius on a flat bed or with the front wheels off the ground.</p>
<p>DO NOT physically push the Prius around in the shop. (May create electricity.)</p>	<p>DO drive or move the vehicle on rollers when in the shop.</p>
<p>DO NOT shift into neutral with the READY light ON and let the vehicle sit. (High voltage battery cannot recharge in neutral.)</p>	<p>DO keep the vehicle in park.</p>
<p>DO NOT pull the service plug without wearing high-voltage insulated gloves.</p>	<p>DO wear high-voltage insulated gloves whenever working near high-voltage systems.</p>
<p>DO NOT change the oil until you have confirmed that the key is OFF.</p>	<p>DO turn the key OFF before an oil change. (Don't be fooled. You may not hear the engine running even though the car is ON! The engine will turn back ON!)</p>
<p>DO NOT get out of the car until you have confirmed it is in Park.</p>	<p>DO put the vehicle in Park before getting out. (Don't be fooled. You may not hear the engine running even though the car is ON! The car will drive away!)</p>
<p>DO NOT run the vehicle out of GAS! (The HV battery may have to be recharged at a dealership.)</p>	<p>DO turn the vehicle OFF immediately if you run out of gas. Once the vehicle has been refueled, the engine may be able to recharge the HV battery.</p>

Appendix C

Coolant Replacement Procedures

Caution

- The coolant in the coolant heat storage tank may be HOT even if the engine and radiator are cold.
- If the engine or radiator is hot, DO NOT remove the radiator cap.

Note:

- DO NOT drain coolant using the bolt on the bottom of the transaxle or tamper with the bleeder plug directly in front of the inverter assy, for a normal cooling system service.
- Use only Toyota SLLC. This coolant is pre-mixed - DO NOT add water!

Coolant Drain Procedure

1. Remove radiator top cover (6 plastic clips)
2. Remove the radiator cap
3. Pull down the front portion of the left front fender liner (Phillips screwdriver/ 10 mm wrench)
4. Disconnect coolant heat storage water pump connector (gray connector near top of tank)
5. Connect hoses to:
 - The drain port on the bottom of the coolant heat storage tank
 - The drain port on the rear side of the lower left corner of the radiator
 - The engine coolant drain port on the rear side of the engine
6. Loosen the yellow drain plug on the coolant heat storage tank to drain coolant
7. Loosen the yellow drain plug on the radiator to drain coolant
8. Use a 10 mm wrench to loosen the drain plug on the back of the engine
9. After coolant has drained, tighten all three plugs (torque engine port to 9.6 ft/lb)
10. Reconnect coolant heat storage water pump connector reinstall left front fender liner

Coolant Fill Procedure

- Connect a hose to the radiator bleeder valve port (located next to yellow label on radiator bulkhead) and place the other end of the hose in the reservoir tank
- Using a 6 mm hex wrench, loosen the radiator bleeder plug 3 turns
- Fill the radiator with coolant
- Tighten the radiator bleeder plug (13 in./lb) and install the radiator cap
- Connect the Diagnostic Tester to DLC3
- Operate the coolant heat storage system pump for 30 seconds
- Loosen the radiator bleeder plug 3 turns
- Remove the radiator cap and top off the radiator with coolant
- Repeat steps 4 through 8 until the system is full
- Start the engine for 1 -2 minutes
- Stop the engine, remove the radiator cap and top off the radiator with coolant
- Install the radiator cap and warm-up the engine (inspection mode)
- Cool down the engine
- Top off the coolant
- Repeat steps 12 to 14 until the system is full