## 2. Check List for Interview

## A: CHECK

## 1. CHECK LIST NO. 1

When a problem occurs, perform the following customer interview.

Customer's name	
Date of purchase	
Date of repair	
V.I.N.	
Engine No.	
Fuel type	
Transmission model	
Odometer reading	km (miles)
Weather	🗖 Fine 🗋 Cloudy 🗋 Rainy 🗋 Snowy
	Others:
Ambient air temperature	°C (°F)
	Hot Warm Cool Cold
Place	🔲 Highway 🔲 Suburbs 🛄 Inner city 🛄 Uphill 🛄 Downhill 🛄 Rough road
	Others:
Engine temperature	Cold During warming-up After warming-up Temp. of either of them
	Others:
Engine speed	rpm
Vehicle speed	km/h (MPH)
Driving conditions	<ul> <li>No effect</li> <li>Start-up</li> <li>Restart</li> <li>Idling</li> <li>Racing</li> <li>Accelerating</li> <li>Cornering (right/left turn)</li> <li>Cruise control</li> <li>Other</li> </ul>
Vehicle conditions	EV traveling Auto Start Stop active
Select lever position	
Hybrid READY indicator light	
EV mode lamp	
Remaining high voltage battery level of MFD	
Manual mode	
Headlight	
Rear defogger	
Blower	
Audio	
A/C compressor	
Rear entertainment system	
Radiator fan	
Car phone	
Front wiper	
Rear wiper	
Wireless device	

HYBRID ELECTRIC VEHICLE (DIAGNOSTICS)

## 2. CHECK LIST NO. 2

If any indicator lights illuminate, perform the following additional customer interview.

a) Warning lights or indicators illuminate.	Yes 🗋 No		
ABS warning light D Steering control warning light AT oil temperature warning light AWD warning light			
VDC warning light/VDC indicator light			
🔲 Fuel level warning light 🔲 Malfunction Indicator Light 🔲 SRS airbag warning light			
Water temperature warning light (red) Oil pressure warning light Charge warning Light			
Security indicator light Brake warning light Vacuum pump fail lamp Hybrid fail lamp			
Others:			
b) 12 volt auxiliary battery			
Manufacturer's genuine battery is equipped	Yes 🗋 No		
Battery voltage		V	
Battery replacement	Yes 🗋 No		
Travel distance at replacement		km (miles)	
c) 12 volt engine restart battery			
Manufacturer's genuine battery is equipped	Yes No		
Battery voltage		V	
Battery replacement	Yes No		
Travel distance at replacement		km (miles)	
d) Starter			
Start count (refer to current data)			
Starter has ever been replaced	Yes No		
e) Fuel level			
Lack of fuel	🗋 Yes 🗋 No		
Indicator position of fuel gauge	FULL 3/4 1/2 1/4 Other		
Experienced running out of fuel	🗋 Yes 🗋 No		
f) Intentional connecting or disconnecting of vehicle harness connectors	🗋 Yes 🗋 No		
Name of parts or points of disconnection			
g) Intentional connecting or disconnecting of vehicle hoses	Yes No		
Name of parts or points of disconnection			
h) Installing parts other than genuine parts	Yes 🗋 No		
Parts			
Where			
i) Occurrence of noise	Yes No		
From where			
What kind			
j) Occurrence of smell			
From where			
What kind			
k) Ingress of water into engine compartment			
I) Ingress of water into luggage room			
m) Ingress of water into passenger compartment	Yes 🗋 No		
n) Troubles occurred			