BATTERY TRAINING

TOYOTA MOTOR NORTH AMERICA

Quality

Customer Quality Services – S/A Body Electrical

BATTERY REPLACEMENT TRAINING

- Toyota provides service information directly related to the proper installation of the battery including hold down clamps in 3 key areas:
  1. The service manual contains the installation instructions including a torque procedure to confirm the battery is installed correctly
     1. This information is transmitted to the aftermarket as part of a content sharing program with Michell On-Demand and All-Data which are both popular multi-brand repair manual repositories
  2. We require our maintenance workers to complete various trainings prior to working on vehicles
     1. Specifically for batteries, TEC100C directly calls out inspection of the battery including J-Hook and provides a visual aide that they can use as a sample to check for
  3. For Technicians working on electrical systems, we require T623 and pre-requisite TEC100C, which calls for inspection of the hold down clamps
     1. This training is required prior to preforming warranty work

CERTIFICATION REQUIREMENT MAP

Technician 2020 Certification Rules 5/18/2020

Certification Level		Tenure	ASE	Courses/Self-Paced Modules	New Model/Launch Requirements	Certification Test	Maintenance/Re-Certification Requirement
Maintenance		None	None	Required eLearning: T021Y, P0709, TEC100B, TEC100C, M011A	None	N/A	M512A 10/15/2020 SC19A 10/15/2020 M011B 10/15/2020
Certified	Engine	None	None	Complete Maintenance Level Required eLearning: TEC300A, E0788, E0819, E0849, H610A, M011B, M512A, TEC300B, SC19A, TEC303A Required Courses: T6234 and (T1510 or T852Y)		N/A	TEN019B 10/15/20 TEN020A 10/15/20
	Drivetrain		None	Complete Maintenance Level Required eLearning: TEC300A, E0788, E0819, E0849, H610A, M011B, M512A, TEC300B, SC19A, TEC303A Required Courses: T6234 and (T2746 or T3023)		N/A	TEN019B 10/15/20 TEN020A 10/15/20
	Chassis		None	Complete Maintenance Level Required eLearning: TEC300A, E0788, E0819, E0849, H610A, M011B, M512A, TEC300B, SC19A, TEC303A Required Courses: T6234 and (T4535 or T5537)		N/A	TEN019B 10/15/20 TEN020A 10/15/20
	Electrical		None	Complete Maintenance Level Required eLearning: TEC300A, E0788, E0819, E0849, H610A, M011B, M512A, TEC300B, SC19A, TEC303A Required Courses: T6234 and T652N		N/A	TEN019B 10/15/20 TEN020A 10/15/20

TEC100C

Training Details



TEC100C - Toyota Maintenance and General Service

Online Class • DLR Toyota Technical OLT • 1 hour • $0.00

(0)

Launch Assign

Maintenance and General Service is an interactive web module that explains the importance of scheduled inspection, adjustment, and maintenance related items of Toyota vehicles. This self-paced web module is intended for all technicians. After completing the module, be sure to complete the post-test.

TEC100C

General Condition
Tread Depth
Tire Pressure
Tire Pressure Monitoring System
Tire Service
Tire Rotation
Wheel Bearing Play
Wheel Removal
Rotation Pattern
Brake Inspection
Disc Brakes
Drum Brakes
Battery Inspection & Testing
Battery Testing
Light Inspection & Replacement
Conclusion
Customer Satisfaction
Assessment

rform maintenance procedures






TOYOTA MOTOR NORTH AMERICA

TEC100C

That's right. The clamp is either misaligned or loose.

Battery Inspection & Testing: Battery Inspection

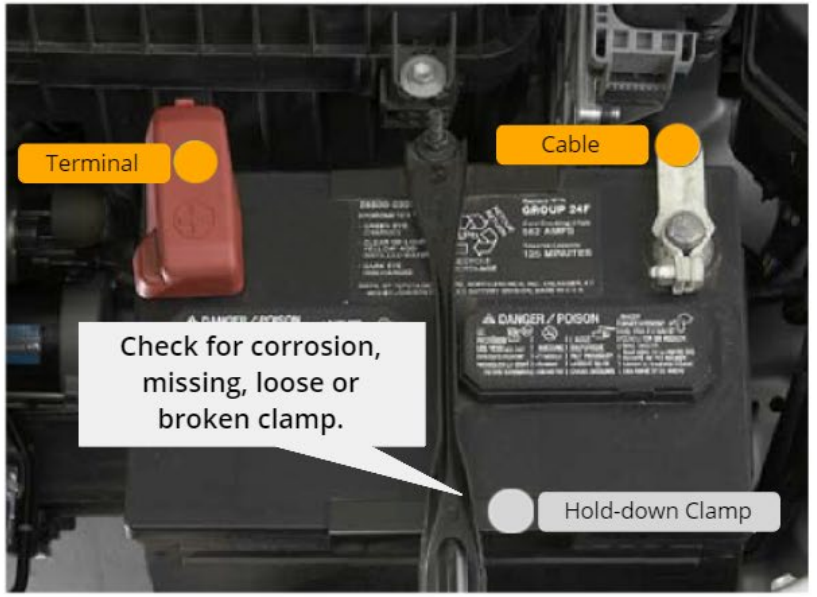


Click the photo to enlarge

No corrosion, tight connection

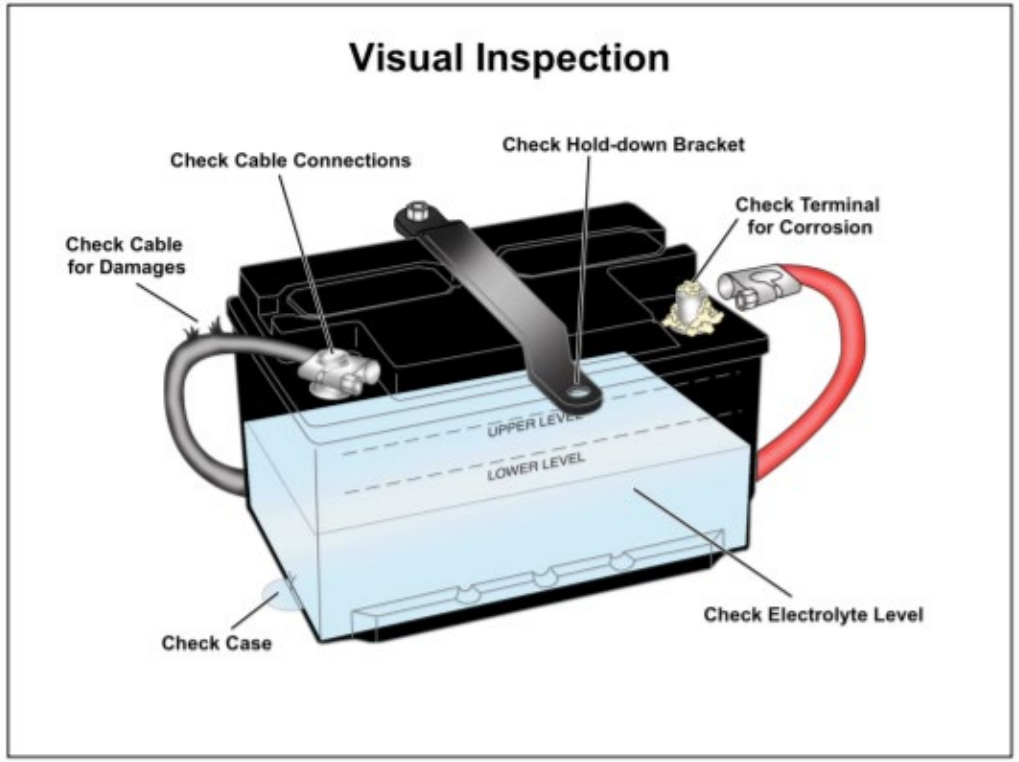
Minor corrosion, tight connection

No corrosion, misaligned or loose



Service Tip: Before doing any work under the hood, inspect for hot surfaces such as exhaust manifold and cooling system.

T623



Visual Inspection Battery service should always begin with a thorough visual inspection. Such an inspection may reveal simple, easily corrected problems or visible problems that require battery replacement with no further testing needed.

Include these steps in a visual inspection:

1. Check for **cracks in the battery case**. Check particularly around battery terminals. These are sometimes overstressed when removing and installing battery cables. Replace the battery if there is any evidence of cracking.
2. Check for **cracked or broken cables** or connections. Replace cables or connectors as necessary.
3. Check for **corrosion on terminals** and dirt or acid on the case top. Clean the terminals and case top with a mixture of water and baking soda. Wire brush heavy corrosion on the terminals.
4. Check for a **loose battery hold-down** and loose cable connections. Tighten as needed.
5. On batteries with removable vent caps, remove the caps and check the electrolyte level. Add distilled water to each cell to restore the level if necessary. **Don't use tap water** because it adds contaminants, and will reduce battery efficiency. Avoid overfilling and **never add additional acid**.