2018 - 2019 UPDATES TrueStart™ Batteries



Why Your Battery Should Be A Genuine Toyota Replacement:

- **The only warranty replacement battery** approved for your Toyota vehicle.
- Meets or exceeds Toyota specifications for all vehicles.
- **The exceptional** 84-Month Warranty!
- 24-month FREE Replacement.
- 60-month proration **in a simple two-tier priced plan.**
- Includes Towing and Installation Labor.*
- Coast-to-Coast warranty service at **more than 1,200 locations! *Ask your dealer for specific details.**

Features Include:

- **Matrix Radial Grids to help your battery** meet today's high current starting demands.
- **The right balance of Cold Cranking Amps and Reserve Capacity** to provide power and cranking ability time after time.
- **A patented lead alloy feature** that reduces corrosion of lead parts and extends the life of your battery.
- **A Negative Plate Paste Expander** that reduces damage caused by high under-hood temperature or extreme heat.

Tip: If your car won't start or stalls frequently, it may be time for a new battery. Ask for a Genuine Toyota Replacement battery.

2018 - 2019 UPDATES True-2™ Batteries



To Strike a Balance Between Quality and Price, Choose the True-2.

Features and Benefits:

- A competitive 60-Month Warranty!
- **18-month FREE Replacement.**
- **42-month proration in a simple two-tier priced plan.**
- **Coast-to-Coast warranty** service at over 1,200 locations.
- Built to top industry standards.
- High vibrations resistance.
- A great non-warranty replacement alternative.
- A **Genuine Toyota** battery representing **quality, durability and reliability.**

Tip: If your car won't start or stalls frequently, it may be time for a new battery. Ask for a Genuine Toyota Replacement battery.

Current as of 1/31/19

MODEL	YEAR	ENGINE	BATTERY SIZE
4RUNNER	1996-2000	4 Cyl. (3RZFE)	24F
	1996-2000	4 Cyl. (3RZFE) OPTION	27F
	1996-2002	V6 (5VZFE)	35
	1996-2002	V6 (5VZFE) OPTION	24F
	2003-2009	V6 (1GRFE)	24F
	2003-2009	V6 (1GRFE) OPTION	27F
	2003-2009	V8 (2UZFE)	24F
	2003-2009	V8 (2UZFE) OPTION	27F
	2010-	V6 ALL MODELS	24F
86	2017-	ZN6 (FA20)	35
AVALON	1995-2018	ALL MODELS except HV	24F
	2019-	ALL MODELS except HV	H6[1]
AVALON/HV	2013-2018	HV MODEL	---
		Please see a Toyota Parts Professional for Assistance	
	2019-	HV MODEL	H5[1]
C-HR	2018-	ALL MODELS	H5[1]
CAMRY	1992-1998	ALL MODELS	24F
	1999-2001	4 Cyl. (5SF#)	24F
	1999-2001	4 Cyl. (5SFE)	35
	1999-2008	V6 (1MZFE,3MZFE)	24F
	1999-2008	V6 (1MZFE,3MZFE)	35
	2002-2009	4 CYL, V6 (2AZFE,2GRFE)	24F
	2002-2009	4 CYL, V6 (2AZFE,2GRFE) OPTION	35
	2010-2011	4 CYL, V6 (2ARFE,2GRFE)	24F
	2010-2011	4 CYL, V6 (2ARFE,2GRFE) OPTION	35
	2012-2017	ALL MODELS except HV	24F
	2018-	ALL MODELS except HV	H6[1]
CAMRY/HV	2007-2016	HV MODEL (2AZFXE, 2ARFXE)	---
		Please see a Toyota Parts Professional for Assistance	
	2017-	HV MODEL (2AZFXE, 2ARFXE)	H5[1]
CELICA	1987-1998	ALL MODELS	35
	1999	4 CYL (5SFE)	35
	2000-2005	ALL MODELS	35
COROLLA	1988-2008	ALL MODELS	35
	2009-2013	AZE141L (2AZFE, 2AZ)	24F
	2009-2013	ZRE142L (2ZRFE, 2ZRFAE)	35
	2014-	ZRE172L (2ZRFE, 2ZRFAE)	35
COROLLA iM	2017-	ALL MODELS (2ZRFAE)	35[1]
ECHO	2000-2005	ALL MODELS	25
FJ CRUISER	2007-2010	ALL MODELS	27F
	2011-2014	ALL MODELS	24F
HIGHLANDER	2001-	ALL MODELS except HV + STOP&START Highlander V6 models with Stop&Start technology do not use a TrueStart replacement battery Please see a Toyota Parts Professional for Assistance	24F
HIGHLANDER/ HV	2006-2009	HV MODEL (3MZFE)	51R*
	2010-	HV MODEL	---
		Please see a Toyota Parts Professional for Assistance	
HIGHLANDER/ STOP&START	2017-	HIGHLANDER STOP&START	N/A[1]
		Please see a Toyota Parts Professional for Assistance	

MODEL	YEAR	ENGINE	BATTERY SIZE
LAND CRUISER	1993-1998	ALL MODELS	27F
	1999-	ALL MODELS	27F
MATRIX	2003-2008	ALL MODELS	35
	2009-2013	AZE141L,144L,146L (2AZFE)	24F
	2009-2013	ZRE142L (2ZRFE)	35
MIRAI	2016-	ALL MODELS (4JM)	N/A**
MR2/MR2 SPYDER	2000-2005	ALL MODELS	51R
PASEO	1992-1997	ALL MODELS	25
PRIUS	2001-2003	NHW11 (1NZFXE)	S34B20L[1]
	2001-2003	NHW11 (1NZFXE)	S55D23L(optional)[1]
		Please see a Toyota Parts Professional for Assistance	
	2004-2009	NHW20 (1NZFXE)	S34B20R[1]
	2004-2009	NHW20 (1NZFXE)	S46B24R[1]
	2010-2015	ZVW30 (2ZRFXE)	S46B24R[1]
	2016-	ZVW50, 51 (2ZRFXE)	H4[1]
PRIUS c	2012-2017	NHP10 (1NZFXE)	S34B20R[1]
	2018-	NHP10 (1NZFXE)	N/A
		Please see a Toyota Parts Professional for Assistance	
PRIUS PHV	2010	ZVW35 (2ZRFXE)	S34B20R[1]
	2012-2015	ZVW35 (2ZRFXE)	S46B24R[1]
PRIUS PRIME	2017-	ZVW52 (2ZRFXE)	H4[1]
PRIUS V	2012-	ZVW41 (2ZRFXE)	S46B24R[1]
RAV4	1996-2005	ALL MODELS except EV	35
	2006-2012	ALL MODELS except EV	24F
	2013-	ALL MODELS except EV/HV	35
	2019-	ALL MODELS except EV/HV/STOP&START	H6***
RAV4 EV	2013-2014	EV MODEL	35
RAV4 HV	2016-2018	HV MODEL	N/A**
		Please see a Toyota Parts Professional for Assistance	
	2019-	HV MODEL (Varies by model)	H4[1]
	2019-	HV MODEL (Varies by model)	H5[1]
RAV4 STOP&START	2019-	RAV4 STOP&START	H6 EFB[1]
SEQUOIA	2001-	ALL MODELS	27F
SIENNA	1998-	ALL MODELS	24F
SOLARA	1999-2001	4 CYL (5SFE)	24F
	1999-2001	4 CYL (5SFE) OPTION	35
	1999-2008	V6 (1MZFE)	24F
	1999-2008	V6 (1MZFE) OPTION	35
	2002-2008	4 CYL (2AZFE)	24F
	2002-2008	4 CYL (2AZFE) OPTION	35
TACOMA	1995-2004	4 CYL. 2WD (2RZFE, 3RZFE)	35
	1995-2004	4 CYL. 2WD (2RZFE, 3RZFE) OPTION	24F
	1995-2004	4 CYL. 4WD (3RZFE)	24F
	1995-2004	V6 2WD (5VZFE)	35
	1995-2004	V6 2WD (5VZFE) OPTION	24F
	1995-2004	V6 4WD (5VZFE)	35
	1995-2004	V6 4WD (5VZFE) OPTION	24F
	2005-2008	V6 (1GRFE)	24F
	2005-2008	V6 (1GRFE) OPTION	27F
	2005-	4 CYL. (2TRFE)	24F
	2009-2015	V6 (1GRFE)	27F
	2016-	V6 (2GRFKS)	24F

HYBRID MODEL: Special Order by Dealer from Parts Distribution Centers.
* To replace the Auxiliary Battery
** TrueStart only - Use JIS 46B24R, Part Number 00544-21171-325
*** TrueStart only-RAV4 H6 replaces H5
[1] TrueStart only

TOYOTA COMPLETE MAINTENANCE CARE

TOYOTA Let's Go Places

MPN: 00125-KEYAP-19

MODEL	YEAR	ENGINE	BATTERY SIZE
TERCEL	1991-1999	ALL MODELS	25
TUNDRA	2000-2004	V6 (5VZFE)	35
	2000-2004	V6 (5VZFE) OPTION	24F
	2000-2009	V8 (2UZFE)	24F
	2000-2009	V8 (2UZFE) OPTION	27F
	2005-2009	V6 (1GRFE)	24F
	2009	V8 (3URFE,3URFBE)	24F
	2009	V8 (3URFE,3URFBE) OPTION	27F
	2010	V8 (1URFE) UPK52L-CHTSKA	27F
	2010	V8 (1URFE) UPK57L-CHTSKA	27F
	2010-2011	V8 (3URFE) USK52L & -CHTSKA	27F
	2010-2011	V8 (3URFE) USK57L & -CHTSKA	27F
	2010-2012	V8 (3URFBE) USK57L & -CHTSGA	27F
	2010-2013	V6 (1GRFE) GSK50L,GSK51L	24F
	2010-2013	V8 (1URFE) UPK50L, UPK51L, UPK55L, UPK56L	24F
	2010-2013	Option for Above	27F
	2010-2013	V8 (3URFBE) USK55L,USK56L	24F
	2010-2013	Option for Above	27F
	2010-2013	V8 (3URFE) USK50L, USK51L, USK55L, USK56L	24F
	2010-2013	Option for Above	27F
	2011-2012	V8 (1URFE) UPK50L-TRTDKA	24F
	2011-2012	Option for Above	27F
TUNDRA	2012-2013	V8 (3URFBE) USK52L	27F
	2014-	V8 (1GRFE,1URFE,3URFE) ALL MODELS	24F
	2014-	V8 (1URFE,3UR#) OPTION EXCEPT GSK51L	27F
VENZA	2009-2016	ALL MODELS	24F
YARIS	2007-2014	ALL MODELS	35
	2015-	NCP131L (1NZFE)	H5[1]
	2015-	NCP93L (1NZFE)	35[1]
YARIS iA	2017-	ALL MODELS (P5)	35[1]
Scion FR-S	2013-2016	ALL MODELS	35
Scion iA	2016	ALL MODELS (P5)	35[1]
Scion iM	2016	ALL MODELS	35[1]
Scion iQ	2012-2015	ALL MODELS	51[1]
	2012-2015	Option for Above	25[1]
Scion iQ EV	2013	(Battery Only, No Engine) Please see a Toyota Parts Professional for Assistance	---
Scion tC	2005-2009	ALL MODELS	24
	2010	ALL MODELS Prod Date Before March 2010	24
	2010-2016	ALL MODELS Prod Date after March 2010	24F
Scion xA	2004-2006	ALL MODELS	25
Scion xB	2004-2007	ALL MODELS	25
	2008-2015	ALL MODELS	24F
Scion xD	2008-2014	ALL MODELS	35

[1] TrueStart only

TOYOTA COMPLETE MAINTENANCE CARE

TOYOTA
Let's Go Places

MPN: 00125-KEYAP-19

BATTERY DIMENSIONS

BATTERY SIZE	MILLIMETERS			INCHES		
	LENGTH	WIDTH	HEIGHT	LENGTH	WIDTH	HEIGHT
24	260	173	225	10 1/4	6 13/16	9
24F	260	173	225	10 21/32	6 13/16	9
25	230	175	225	9 1/16	6 7/8	8 7/8
27	306	173	225	12 1/32	6 13/16	8 15/16
27F	306	173	225	12 31/64	6 13/16	8 15/16
35	230	175	225	9 1/16	6 7/8	8 7/8
51	238	129	223	9 3/8	5 1/8	8 7/8
51R	238	129	223	9 3/8	5 1/8	8 7/8
H4	207	175	190	8 3/16	6 57/64	7 7/16
H5	252	175	190	9 17/32	6 57/64	7 31/64
H6	283	175	190	10 15/16	6 7/8	7 1/2
H6 EFB	283	175	190	10 15/16	6 7/8	7 1/2
S34B20R	194	126	224	7 5/8	4 15/16	8 13/16
S34B20L	194	126	224	7 5/8	4 15/16	8 13/16
S46B24R	238	135	227	9 3/8	5 1/4	8 15/16
S55D23L	232	173	225	9 1/8	6 7/8	8 7/8

TOYOTA TRUESTART BATTERY AVAILABILITY LIST/POWER RATINGS

BATTERY SIZE	PART NUMBER	MONTHS WARRANTY	COLD CRANKING AMPS @ 0°F	RESERVE CAPACITY (MINS) @ 80°F
24	00544-24060-575	84	575	130
24F	00544-24F60-575	84	575	130
25	00544-25060-550	84	550	100
27	00544-27060-675	84	675	160
27F	00544-27F60-710	84	710	165
35	00544-35060-550	84	550	100
51	00544-51060-500	84	500	85
51R	00544-51R60-500	84	500	85
H4	00544-H4052-470	84	470	74
H5	00544-H5061-540	84	540	100
H6	00544-H6074-770	84	770	130
H6 EFB	00544-H6EFB-TS	84	603	65 AH
S34B20R	00544-21181-320	84	320	45
S34B20L	00544-21050-320	84	320	45
S46B24R	00544-21171-325	84	325	67

TOYOTA TRUE-2 BATTERY AVAILABILITY LIST/POWER RATINGS

BATTERY SIZE	PART NUMBER	MONTHS WARRANTY	COLD CRANKING AMPS @ 0°F	RESERVE CAPACITY (MINS) @ 80°F
24	00544-024T2-530	60	530	90
24F	00544-24FT2-530	60	530	90
25	00544-025T2-525	60	525	100
27	00544-027T2-600	60	600	125
27F	00544-27FT2-625	60	625	130
35	00544-035T2-525	60	525	100
51R	00544-51RT2-410	60	410	70

All Toyota vehicles manufactured in Japan come with a Japan Industrial Standard (JIS) specification battery. U.S. battery manufacturers use a different specification standard called Battery Council International (BCI). The chart below can be used as an aid in determining the best fit replacement BCI specification batteries for JIS specification batteries.

CROSS REFERENCE CHART BCI TO JIS

JIS*	BEST FIT ESTIMATE BCI	COMMENTS
46B24R	51	BCI 51 is for Scion iQ TrueStart only
50D20L	35	
50D23L	35	
50D20R	25	
55B24L	51R	
55B24L(S)	51R	
55D23L	35	May have vent cap clearance problems
55D23R	25	May have vent cap clearance problems
65D23L	35	
75D31L	27F	
75D31R	27	
80D26L	24F	
80D26L	27F	
80D26R	24	
95D31L	27F	
105D31L	27F	

*Japan Industrial Standard

NOTES:

- It is advisable to check the size of the battery installed in the vehicle to determine the proper replacement battery.
- BCI#: Battery Council International number