

2020 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.



2020 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 4/30/20

MODEL	YEAR	ENGINE	BATTERY SIZE	MODEL	YEAR	ENGINE	BATTERY SIZE
4RUNNER	1996-2000	4 CYL. (3RZFE)	24F	HIGHLANDER STOP&START	2017-2019	GSU5# (2GRFKS) HIGHLANDER STOP&START	S95 EFB ¹
	1996-2000	4 CYL. (3RZFE) OPTION	27F		2020-	GSU7# (2GRFKS) HIGHLANDER STOP&START	H6 EFB ¹
	1996-2002	V6 (5VZFE)	35	LAND CRUISER	1993-1998	ALL MODELS	27F
	1996-2002	V6 (5VZFE) OPTION	24F		1999-	ALL MODELS	27F
	2003-2009	V6 (1GRFE)	24F	MATRIX	2003-2008	ALL MODELS	35
	2003-2009	V6 (1GRFE) OPTION	27F		2009-2013	AZE141,144,146 (2AZFE)	24F
	2003-2009	V8 (2UZFE)	24F		2009-2013	ZRE142 (2ZRFE)	35
	2003-2009	V8 (2UZFE) OPTION	27F	MIRAI	2016-	ALL MODELS (4JM)	N/A**
	2010-	V6 ALL MODELS	24F		MR2/MR2 SPYDER	2000-2005	ALL MODELS
86	2017-	ZN6 (FA20)	35	PASEO	1992-1997	ALL MODELS	25
AVALON	1995-2018	ALL MODELS except HV	24F	PRIUS	2001-2003	NHW11 (1NZFXE)	S34B20L ¹
	2019-	ALL MODELS except HV	H6 (LN3) ¹		2001-2003	NHW11 (1NZFXE) OPTION	S55D23L ¹
AVALON HV	2013-2018	HV MODEL	---		Please see a Toyota Parts Professional for Assistance		
	2019-	HV MODEL	H5 (LN2) ¹		2004-2009	NHW20 (1NZFXE)	S34B20R ¹
C-HR	2018-	ALL MODELS	H5 (LN2) ¹		2004-2009	NHW20 (1NZFXE)	S46B24R ¹
CAMRY	1992-1998	ALL MODELS	24F	2010-2015	ZVW30 (2ZRFXE)	S46B24R ¹	
	1999-2001	4 CYL. (5SF#)	24F	2016-	ZVW50, 51 (2ZRFXE)	H4 (LN1) ¹	
	1999-2001	4 CYL. (5SFE)	35	PRIUS c	2012-2017	NHP10 (1NZFXE)	S34B20R ¹
	1999-2008	V6 (1MZFE, 3MZFE)	24F		2018-	NHP10 (1NZFXE)	H3 (LN0) ¹
	1999-2008	V6 (1MZFE, 3MZFE)	35	PRIUS PHV	2010	ZVW35 (2ZRFXE)	S34B20R ¹
	2002-2009	4 CYL, V6 (2AZFE, 2GRFE)	24F		2012-2015	ZVW35 (2ZRFXE)	S46B24R ¹
	2002-2009	4 CYL, V6 (2AZFE, 2GRFE) OPTION	35	PRIUS PRIME	2017-	ZVW52 (2ZRFXE)	H4 (LN1) ¹
	2010-2011	4 CYL, V6 (2ARFE, 2GRFE)	24F		PRIUS V	2012-	ZVW41 (2ZRFXE)
	2010-2011	4 CYL, V6 (2ARFE, 2GRFE) OPTION	35	RAV4		1996-2005	ALL MODELS except EV
	2012-2017	All MODELS except HV	24F		2006-2012	ALL MODELS except EV	24F
	2018-2019	ALL MODELS except HV	H6 (LN3) ¹		2013-	ALL MODELS except EV/HV	35
	2020-	GSV70 (2GRFKS)	H6 (LN3) ¹		2019-	ALL MODELS except EV/HV/STOP&START	H6 (LN3)***
2020-	AXVA7# (A25AFKS)	H5 (LN2) ¹	RAV4 EV		2013-2014	EV MODEL	35
CAMRY HV	2007-2016	HV MODEL (2AZFXE, 2ARFXE)	---	RAV4 HV	2016-2018	HV MODEL	N/A**
	Please see a Toyota Parts Professional for Assistance				Please see a Toyota Parts Professional for Assistance		
2017-	HV MODEL (2AZFXE, 2ARFXE)	H5 (LN2) ¹	2019-		HV MODEL (Varies by model)	H4 (LN1) ¹	
CELICA	1987-1998	ALL MODELS	35	2019-	HV MODEL (Varies by model)	H5 (LN2) ¹	
	1999	4 CYL (5SFE)	35	RAV4 STOP&START	2019-	RAV4 STOP&START	H6 EFB ¹
	2000-2005	ALL MODELS	35	SEQUOIA	2001-	ALL MODELS	27F
COROLLA	1988-2008	ALL MODELS	35	SIENNA	1998-	ALL MODELS	24F
	2009-2013	AZE141 (2AZFE, 2AZ)	24F	SOLARA	1999-2001	4 CYL (5SFE)	24F
	2009-2013	ZRE142 (2ZRFE, 2ZRFAE)	35		1999-2001	4 CYL (5SFE) OPTION	35
	2014-2016	ZRE172 (2ZRFE, 2ZRFAE)	35		1999-2008	V6 (1MZFE)	24F
	2020-	ZRE212, ZWE21# (2ZR#)	H4 (LN1) ¹		1999-2008	V6 (1MZFE) OPTION	35
2020-	MZEA12 (M20AFKS)	H5 (LN2) ¹	2002-2008		4 CYL (2AZFE)	24F	
COROLLA HATCHBACK	2019-	ALL MODELS (M20AFKS)	H5 (LN2) ¹	2002-2008	4 CYL (2AZFE) OPTION	35	
COROLLA iM	2017-	ALL MODELS (2ZRFAE)	35 ¹	SUPRA	1994-1998	ALL MODELS	24F
ECHO	2000-2005	ALL MODELS	25		2020	DB43 (B58) TRUESTART H9 AGM	H9 (LN6) ¹
FJ CRUISER	2007-2010	ALL MODELS	27F		2020	DB4# Mexico (B58) TRUESTART H8 AGM	H8 (LN5) ¹
	2011-2014	ALL MODELS	24F		2020-	DB2#, 8# Mexico (B48#) TRUESTART H8 AGM (RC: 80 AH)	H8 (LN5) ¹
HIGHLANDER	2001-	ALL MODELS except HV + STOP&START	24F		2020-	DB4# Mexico (B58) TRUESTART H8 AGM (RC: 92 AH)	H8 (LN5) ¹
HIGHLANDER HV	2006-2009	HV MODEL (3MZFE)	51R*				
	2010-2019	HV MODEL	---				
Please see a Toyota Parts Professional for Assistance							
2020-	HV MODEL (A25AFXS)	H5 (LN2) ¹					

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



MODEL	YEAR	ENGINE	BATTERY SIZE	MODEL	YEAR	ENGINE	BATTERY SIZE	
TACOMA	1995-2004	4 CYL 2WD (2RZFE, 3RZFE)	35	TUNDRA	2010-2013	OPTION for Above	27F	
	1995-2004	4 CYL 2WD (2RZFE, 3RZFE) OPTION	24F		2010-2013	V8 (3URFE) USK50L, USK51L, USK55L, USK56L	24F	
	1995-2004	4 CYL 4WD (3RZFE)	24F		2010-2013	OPTION for Above	27F	
	1995-2004	V6 2WD (5VZFE)	35		2011-2012	V8 (1URFE) UPK50L-TRTDKA	24F	
	1995-2004	V6 2WD (5VZFE) OPTION	24F		2011-2012	OPTION for Above	27F	
	1995-2004	V6 4WD (5VZFE)	35		2012-2013	V8 (3URFBE) USK52L	27F	
	1995-2004	V6 4WD (5VZFE) OPTION	24F		2014-	V8 (1GRFE,1URFE,3URFE) ALL MODELS	24F	
	2005-2008	V6 (1GRFE)	24F		2014-	V8 (1URFE,3UR#) OPTION except GSK51L	27F	
	2005-2008	V6 (1GRFE) OPTION	27F		VENZA	2009-2016	ALL MODELS	24F
	2005-	4 CYL (2TRFE)	24F		YARIS	2007-2014	ALL MODELS	35
	2009-2015	V6 (1GRFE)	27F		2015-	NCP131L (1NZFE)	H5(LN2) ¹	
	2016-	V6 (2GRFKS)	24F		2015-	NCP93L (1NZFE)	35 ¹	
TERCEL	1991-1999	ALL MODELS	25	YARIS/iA MMYO	2017-	ALL MODELS (P5)	35 ¹	
TUNDRA	2000-2004	V6 (5VZFE)	35	Scion FR-S	2013-2016	ALL MODELS	35	
	2000-2004	V6 (5VZFE) OPTION	24F	Scion iA	2016	ALL MODELS (P5)	35 ¹	
	2000-2009	V8 (2UZFE)	24F	Scion iM	2016	ALL MODELS	35 ¹	
	2000-2009	V8 (2UZFE) OPTION	27F	Scion iQ	2012-2015	ALL MODELS	51 ¹	
	2005-2009	V6 (1GRFE)	24F	2012-2015	OPTION for Above	25 ¹		
	2009	V8 (3URFE, 3URFBE)	24F	Scion iQ EV	2013	(Battery Only, No Engine)	---	
	2009	V8 (3URFE, 3URFBE) OPTION	27F	Please see a Toyota Parts Professional for Assistance				
	2010	V8 (1URFE) UPK52L-CHTSKA	27F	Scion tC	2005-2009	ALL MODELS	24	
	2010	V8 (1URFE) UPK57L-CHTSKA	27F	2010	ALL MODELS (Prod Date before March 2010)	24		
	2010-2011	V8 (3URFE) USK52L & -CHTSKA	27F	2010-2016	ALL MODELS (Prod Date after March 2010)	24F		
	2010-2011	V8 (3URFE) USK57L & -CHTSKA	27F	Scion xA	2004-2006	ALL MODELS	25	
	2010-2012	V8 (3URFBE) USK57L & -CHTSGA	27F	Scion xB	2004-2007	ALL MODELS	25	
	2010-2013	V6 (1GRFE) GSK50L, GSK51L	24F	2008-2015	ALL MODELS	24F		
	2010-2013	V8 (1URFE) UPK50L, UPK51(L), UPK55L, UPK56L	24F	Scion xD	2008-2014	ALL MODELS	35	
	2010-2013	OPTION for Above	27F					
	2010-2013	V8 (3URFBE) USK55L,USK56L	24F					

¹ TrueStart only

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
H3 (LN0)	174	174	189	6 27/32	6 27/32	7 7/16
H4 (LN1)	207	175	190	8 3/16	6 57/64	7 7/16
H5 (LN2)	252	175	190	9 17/32	6 57/64	7 31/64
H6 (LN3)	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
H8 (LN5)	353	175	190	13 57/64	6 57/64	7 31/64
H9 (LN6)	393	175	195	15 15/32	6 57/64	7 43/64
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
S95 EFB	258	171	225	10 5/32	6 47/64	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
H3 (LN0)	00544-H3LN0-TS	84	240	35 AH
H4 (LN1)	00544-H4052-470	84	470	74
H5 (LN2)	00544-H5061-540	84	540	100
H6 (LN3)	00544-H6074-770	84	770	130
H6 EFB	00544-H6EFB-TS	84	603	65 AH
H8 (LN5)	00544-H8AGM-TS	84	850	90 AH
H9 (LN6)	00544-H9AGM-TS	84	950	105 AH
S34B20R	00544-21181-320	84	320	45
S34B20L	00544-21050-320	84	320	45
S46B24R	00544-21171-325	84	325	67
S55D23L	-----	---	---	---
S95 EFB	00544-S95TS	84	604	70 AH

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
80D26L	24F	
80D26L	27F	
80D26R	24	
95D31L	27F	
105D31L	27F	
S34B20R	S34B20L	
S34B20R	S34B20R	
S46B24R	S46B24R	
S55D23L	S55D23L	
S95D26L	S95 EFB	

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
- For Battery Core Charge, use 00544-CRCHG

*Japan Industrial Standard



Genuine Parts



TOYOTA COMPLETE MAINTENANCE CARE