MISCELLANEOUS

TRUESTART BATTERIES

Why Your Battery Should be a Genuine Toyota Replacement;

The only warranty replacement battery approved for your Toyota vehicle.

The exceptional 84-Month Warranty!

Includes Towing and installation Labor.

Coast-to-Coast warranty service at more than 1,200 locations!

Meets or exceeds Toyota specifications for all vehicles.

24-month FREE Replacement.

60-month proration in a simple two tier priced plan.

Features Include:

Matrix Radial Grids to help your battery meet today's high current starting demands.

A patented lead alloy feature that reduces corrosion of lead parts and extends the life of your battery.

The right balance of Cold Cranking Amps and Reserve Capacity to provide power and cranking ability time after time.

A Negative Plate Paste Expander that reduces damage caused by high underhood 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.

MODEL	YEAR	ENGINE	BCI GROUP SIZE
86			
	2017-	ZN6 (FA20)	25
AVALON			
	1995-	All Models except HV	24F
AVALON/HV			
	2013-	HV MODEL Please see a Toyota Parts Professional for Assistance /OE Battery Section	----------
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-	All Models except HV	24F
CAMRY/HV			
	2007-2016	HV MODEL (2AZFXE, 2 ARFXE) Please see a Toyota Parts Professional for Assistance /OE Battery Section	H5
	2017-	HV MODEL (2AZFXE, 2 ARFXE)	H5
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
ECHO			
	2000-2005	ALL MODELS	25
FJ CRUISER			
	2007-2010	ALL MODELS	27F
	2011-2014	ALL MODELS	24F

MODEL	YEAR	ENGINE	BCI GROUP SIZE
HIGHLANDER			
	2001-	All Models except HV	24F
HIGHLANDER/HV			
	2006-2009	HV MODEL (3MZFE)	51R*
	2010-	HV MODEL Please see a Toyota Parts Professional for Assistance/OE Battery Section	----------
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)	see TMS Part No.
MR2/MR2 SPYDER			
	2000-2005	ALL MODELS	51R
PASEO			
	1992-1997	ALL MODELS	25
PREVIA			
	1991-1997	ALL MODELS	24F
PRIUS			
	2001-2003	PRIUS (NHW11)	see TMS Part No.
	2004-2009	PRIUS (NHW20)	see TMS Part No.
	2004-2015	PRIUS (ZVW30)	see TMS Part No.
	2016-	PRIUS (ZVW50, 51)	see TMS Part No.
PRIUS C			
	2012-2017	PRIUS C (NHP10)	see TMS Part No.
PRIUS PHV			
	2010	PRIUS PHV (ZVW35)	see TMS Part No.
	2012-2015	PRIUS PHV (ZVW35)	see TMS Part No.
PRIUS PRIME			
	2017-	PRIUS PRIME (ZVW52)	see TMS Part No.

* To replace the Auxiliary Battery

MISCELLANEOUS

TRUESTART BATTERIES

MODEL	YEAR	ENGINE	BCI GROUP SIZE
PRIUS V			
	2012-	PRIUS V (ZVW41)	see TMS Part No.
RAV4/EV			
	1996-2005	All Models except EV	35
	2006-2012	All Models except EV	24F
	2013-	All Models except EV/HV	35
	2013-2014	EV RAV4	35
RAV4/EV/HV			
	2016-	HV RAV4	see TMS Part No.
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
SUPRA			
	1994-1998	ALL MODELS	24F
T100			
	1994-1998	4 CYL (3RZFE)	24F
	1995-1998	V6 (5VZFE)	24F
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, V6 (2TRFE, 2GRFKS)	24F
	2009-2015	V6 (1GRFE, 1GR#)	27F
TERCEL			
	1991-1999	ALL MODELS	25
TRUCK/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

MODEL	YEAR	ENGINE	BCI GROUP SIZE
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, UPK51, UPK55L, UPK56L	24F
	2010-2013	V8 (1URFE) UPK50L, UPK51L, UPK51, UPK55L, UPK56L OPTION	27F
	2010-2013	V8 (3URFBE) USK55L, USK56L	24F
	2010-2013	V8 (3URFBE) USK55L, USK56L OPTION	27F
	2010-2013	V8 (3URFE) USK50L, USK51L, USK55L, USK56L	24F
	2010-2013	V8 (3URFE) USK50L, USK51L, USK55L, USK56L OPTION	27F
	2011-2012	V8 (1URFE) UPK50L-TRTDKA	24F
	2011-2012	V8 (1URFE) UPK50L-TRTDKA OPTION	27F
	2012-2013	V8 (3URFBE) USK52L	27F
	2014-	V8 (1GRFE, 1URFE, 3URFE, 3URFBE) ALL MODELS	24F
	2014-	V8 (1URFE, 3UR#) OPTION EXCEPT GSK51L	27F
VENZA			
	2009-	ALL MODELS	24F
YARIS			
	2007-2014	ALL MODELS (1NZFE)	35
	2015-	NCP131L (1NZFE)	H5
	2015-	NCP93L (1NZFE)	35
YARIS iA			
	2017-	ALL MODELS (P5)	35
SCION FR-S			
	2013-2014	ALL MODELS	35
	2015-2016	ALL MODELS	25
SCION iA			
	2016	ALL MODELS (P5)	35
SCION iM			
	2016	ALL MODELS (2ZRFAE)	35

TRUESTART BATTERIES

MODEL	YEAR	ENGINE	BCI GROUP SIZE
SCION iQ			
	2012-2015	Scion iQ (1NRFE) +1.3LFF	51
	2012-2015	Scion iQ (1NRFE) OPTION	25
SCION iQ EV			
	2013	Scion iQ EV (Battery Only, No Engine) Please see a Toyota Parts Professional for Assistance/OE Battery Section	----------
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

HYBRID MODEL: Special Order by Dealer from Parts Distribution Centers.

MISCELLANEOUS

TRUESTART BATTERIES

BATTERY DIMENSION(INCES)			
BCI GROUP SIZE	**LENGTH**	**WIDTH**	**HEIGHT**
24	$10^{1/4}$	$6^{13/16}$	9
24F	$10^{21/32}$	$6^{13/16}$	9
25	$9^{1/16}$	$6^{7/8}$	$8^{7/8}$
27	$12^{1/32}$	$6^{13/16}$	$8^{15/16}$
27F	$12^{31/64}$	$6^{13/16}$	$8^{15/16}$
35	$9^{1/16}$	$6^{7/8}$	$8^{7/8}$
51	$9^{3/8}$	$5^{1/8}$	$8^{7/8}$
51R	$9^{3/8}$	$5^{1/8}$	$8^{7/8}$
H4			
H5	$9^{17/32}$	$6^{57/64}$	$7^{31/64}$

TOYOTA TRUESTART BATTERY AVAILABLITY LIST/POWER RATINGS				
BCI GROUP 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		470	74
H5	00544-H5061-540	84	540	100

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 ESTIMATE BCI**	**COMMENTS**
46B24R	51	BCI 51 is for Scion iQ TrueStart only, not applicable to True-2 Battery
46B24R	see TMS Part No.	
50D20L	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	
80D26L	24F	
80D26R	24	
95D31L	27F	
105D31L	27F	
34B20L	see TMS Part No.	
34B20R	see TMS Part No.	

*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

MISCELLANEOUS

TRUE-2 BATTERIES

To strike a balance between QUALITY and PRICE,choose the TRUE-2

Features and Benefits: Ask for a Genuine Toyota Replacement battery.

- A competitive 60-Month Warranty!
- 18-month FREE Replacement.
- Coast-to-Coast warranty service at over 1,200 locations.
- High vibrations resistance.
- A great non-warranty replacement alternative.
- 42-month proration in two tier priced plan
- Built to top industry standards.
- 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 njew battery.

MODEL	YEAR	ENGINE	BCI GROUP SIZE
86			
	2017-	ZN6 (FA20)	25
AVALON			
	1995-	All Models except HV	24F
AVALON/HV			
	2013-	HV MODEL Please See a Toyota Parts Professional for Assistance	----------
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 (2AZFE, 2GRFE) OPTION	35
	2012-	All Models except HV	24F
CAMRY/HV			
	2007-2011	HV MODEL (2AZFXE) Please see a Toyota Parts Professional for Assistance	----------
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
ECHO			
	2000-2005	ALL MODELS	25
FJ CRUISER			
	2007-2010	ALL MODELS	27F
	2011-2014	ALL MODELS	24F
HIGHLANDER			
	2001-	All Models except HV	24F
HIGHLANDER/HV			
	2006-2009	HV MODEL (3MZFE)	51R*
	2010-	HV MODEL Please see a Toyota Parts Professional for Assistance	----------

MODEL	YEAR	ENGINE	BCI GROUP 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
MR2/MR2 SPYDER			
	2000-2005	ALL MODELS	51R
PASEO			
	1992-1997	ALL MODELS	25
PREVIA			
	1991-1997	ALL MODELS	24F
RAV4/EV			
	1996-2005	All Models except EV	35
	2006-2012	All Models except EV	24F
	2013-	All Models except EV/HV	35
	2013-2014	RAV4 EV	35
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
SUPRA			
	1994-1998	ALL MODELS	24F
T100			
	1994-1998	4 CYL (3RZFE)	24F
	1995-1998	V6 (5VZFE)	24F
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

* To replace the Auxiliary Battery

MISCELLANEOUS

TRUE-2 BATTERIES

MODEL	YEAR	ENGINE	BCI GROUP SIZE
TACOMA			
	2005-2008	V6 (1GRFE) OPTION	27F
	2005-	4 CYL. (2TRFE, 2TR#)	24F
	2009-	V6 (1GRFE, 1GR#)	27F
TERCEL			
	1991-1999	ALL MODELS	25
TRUCK/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
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, GSK51 L	24F
	2010-2013	V8 (1URFE) UPK50L, UPK51L, UPK51, UPK55L, UPK56L	24F
	2010-2013	V8 (1URFE) UPK50L, UPK51L, UPK51, UPK55L, UPK56L OPTION	27F
	2010-2013	V8 (3URFBE) USK55L, USK56 L	24F
	2010-2013	V8 (3URFBE) USK55L, USK56 L OPTION	27F
	2010-2013	V8 (3URFE) USK50L, USK51L, USK55L, USK56L	24F
	2010-2013	V8 (3URFE) USK50L, USK51L, USK55L, USK56L OPTION	27F
	2011-2012	V8 (1URFE) UPK50L-TRTDKA	24F
	2011-2012	V8 (1URFE) UPK50L-TRTDKA OPTION	27F
	2012-2013	V8 (3URFBE) USK52L	27F
	2014-	V8 (1GRFE, 1URFE, 3URFE, 3URFBE) ALL MODELS	24F
	2014-	V8 (1URFE, 3UR#) OPTION EXCEPT GSK51L	27F
VENZA			
	2009-	ALL MODELS	24F

MODEL	YEAR	ENGINE	BCI GROUP SIZE
YARIS			
	2007-2014	ALL MODELS	35
SCION FR-S			
	2013-2014	ALL MODELS	35
	2015-2016	ALL MODELS	25
SCION iQ			
	2012-2015	Scion iQ (1NRFE) Please see a Toyota Parts Professional for Assistance	----------
SCION iQ EV			
	2013	Scion iQ EV (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

HYBRID MODEL: Special Order by Dealer from Parts Distribution Centers.

TRUE-2 BATTERIES

BATTERY DIMENSION(INCES)			
BCI GROUP SIZE	LENGTH	WIDTH	HEIGHT
24	$10^{1/4}$	$6^{13/16}$	9
24F	$10^{21/32}$	$6^{13/16}$	9
25	$9^{1/16}$	$6^{7/8}$	$8^{7/8}$
27	$12^{1/32}$	$6^{13/16}$	$8^{15/16}$
27F	$12^{31/64}$	$6^{13/16}$	$8^{15/16}$
35	$9^{1/16}$	$6^{7/8}$	$8^{7/8}$
51R	$9^{3/8}$	$5^{1/8}$	$8^{7/8}$

TOYOTA TRUE-2 BATTERY AVAILABLITY LIST/POWER RATINGS				
BCI GROUP 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 ESTIMATE BCI	COMMENTS
50D20R	25	
50D23L	35	
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	

*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