



2011 Battery Applications & Specifications



When serious bikers said they wanted a better battery, we listened!



Introducing the GYZ Series Next Generation Powersports Battery

- AGM (Absorbed Glass Mat) separators with superior grid and component designs
- Heavy duty terminals - patent pending
- Flush mounted terminals - no spacers required
- Extreme vibration resistance
- Improved charge recovery capability from a deeply discharged condition
- Improved life cycle performance
- Longer shelf life
- Supplied "Factory Activated" (filled, sealed and charged at the factory)

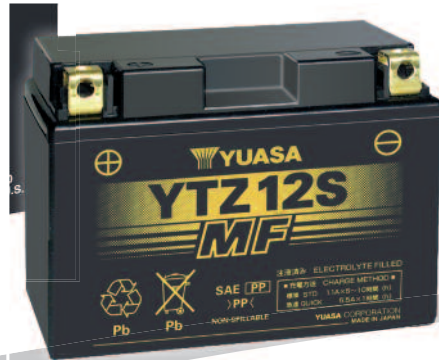
www.yuasabatteries.com
Made in the U.S.A.



YUASA

THE FUN ALWAYS STARTS HERE

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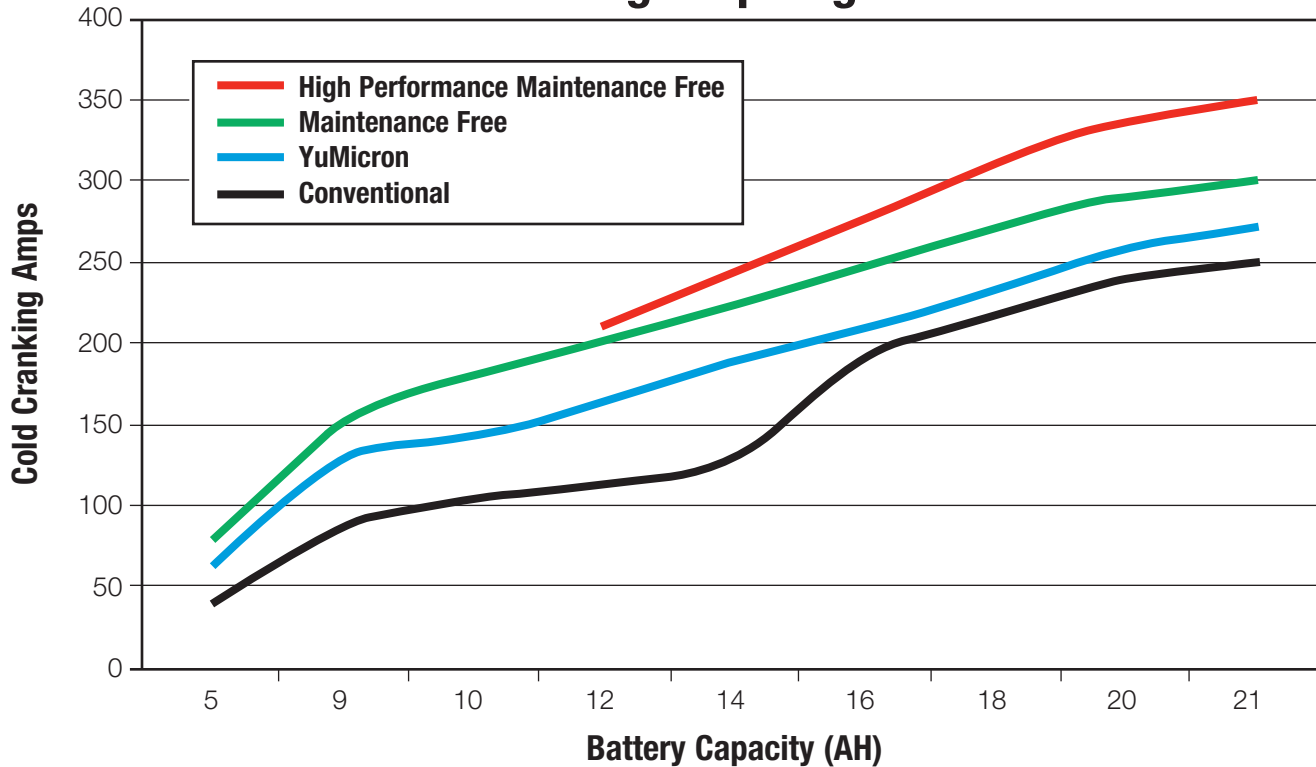


Yumicron / Conventional

- Special thin separators – allow two extra plates per cell to be installed, for a 30% improvement in cranking performance
- Sulfate stop to reduce battery sulfation
- Engineered to protect against corrosion, withstand vibration, and deliver high cranking power
- Full product line
- 6 Volt and 12 Volt



Cold Cranking Amperage Table



About YUASA

Yuasa Battery, Inc. has been manufacturing POWERSPORTS batteries in the United States to uncompromisingly high standards since 1979. Yuasa Battery pioneered the Maintenance Free battery in 1985. We are the largest American manufacturer and the largest distributor of batteries for motorcycles, snowmobiles, scooters, all terrain vehicles and personal watercraft.



In addition to our vast replacement business, we are the preferred original equipment supplier to most of these same markets. By producing batteries that generate more power, last longer, and require minimum maintenance, Yuasa Battery, Inc. has achieved a leadership position in small engine starting batteries. Continuous research and development, along with unwavering standards of manufacturing quality, will help maintain our position as market leader around the world.

10 things to do at www.yuasabatteries.com



- Buy selected Yuasa® batteries on-line
- Use “Quick Search” to find the right battery for your vehicle
- Find the Yuasa battery dealer closest to you
- Watch a video on battery basics and safety
- Learn how to maintain and extend the life of a battery
- Get tips for storage and spring start-up
- Find “Quick Links” to powersports vehicle manufacturers
- Download our Technical Manual or the latest edition of the Yuasa Battery Applications & Specifications catalog
- Review our Frequently Asked Questions (FAQs)
- Contact Yuasa with your questions or comments

Want an OEM quality battery?
Say “YOU • AH • SAH”

Everybody knows that Yuasa makes a great powersports battery. But not everybody knows how to pronounce our name. So just to be sure, we’ve provided the phonetic spelling above.

FEATURES AND BENEFITS

Component	Features	Benefits
Cast Grid	Special Grid Design	Severe vibration resistance & improved conductivity
Active Material	Proprietary Formulation	Reduced shedding, maximum utilization, & long service life
Pasted Plates	Specified Thickness & Weight	Ensures vibration resistance through precise compression & proper service life through specified active material balance
Dried-Charged Plates	Tank Formed & Dried Plates	Properly dried plates in a sealed battery have a virtually limitless shelf-life, while still retaining 70-80% state of charge when initially filled with acid
Top Lead Connections	Through-Partition Construction, Large Straps	Shorter current path for increased electrical conductivity & higher starting currents, heavier parts for maximum durability
Case-Cover Seal	Thermal Bonded Plastic	Air tight seal to prevent air ingress & acid seepage
Terminal- Cover Seal	Patented Poly-Seal Terminal	Eliminates acid seepage, reduces corrosion, & extends battery life
Case & Cover	Polypropylene	Superior resistance to gasoline & oil, impact resistant in extreme weather conditions
Additive	Sulfate Stop (Some models)	Sulfate stop added to reduce the solubility of lead into the acid, which then reduces battery sulfation potential
YuMicron		
Separator	Leaf or Envelope Separator	Polyethylene with glass mat sheet bonded for compression to withstand severe vibration conditions
YTX		
Separator	AGM (Absorbed Glass Mat)	Absorbs acid while creating cell compression for extreme vibration resistance
Top Lead Alloy	Calcium Alloy	Increased weld strength & severe vibration resistance
Vent System	Valve & Flame Arrestor	Valve relieves excess pressure to prevent bursting, flame arrestor frit prevents internal combustion
High Performance Maintenance Free		
Grid System	Computer-Designed Radial Grids	Increased conductivity for higher starting wattage, increased vibration resistance
Separator	Puncture Resistant AGM (Absorbed Glass Mat) Material	High puncture resistant separator for increased service in high vibration applications

TERMINAL TYPES

Terminal shapes vary from one battery to another. By identifying the correct replacement battery from the listing in this book, you are assured of the proper terminal configuration. For custom applications, refer to the following chart to identify terminal shape and corresponding batteries.

Terminal				Battery Type				
Type	Front	Side	Top					
1				YB7C-A YB14L-A1 YTX16-BS-1				
2				YB9L-A2 12N5.5-4A	YB16AL-A2			
3				Y60-N24AL-B 12N24-3	Y60-N24-A 12N24-3A			
4				YB12C-A YTX14L-BS YTX20CH-BS YTX20HL-BS-PW	YB16B-A YTX14H-BS YTX20-BS YTX24HL-BS	Y50-N18L-A3 YTX14AH-BS YTX20L-BS GYZ20L	YB30L-B YTX14AHL-B YTX20H-BS	YB30CL-B YTX15L-BS YTX20HL-BS
5				YTX4L-BS YTX9-BS YTX16-BS YB4L-A	YTX5L-BS YT12A-BS YB4L-B	YTZ7S YTX12-BS YB16C-B	YTX7A-BS KMX14-BS YB16CL-B	YTX7L-BS YTX14-BS YIX30L-BS
6				YB3L-A YB7L-B YB12A-A YB16-B-CX 12N5-3B 12N7-4A 12N9-4B-1 6N6-3B B39-6	YB3L-B YB9A-A YB12AL-A YB16L-B 12N5-4B 12N7-4B 12N10-3A 6N6-3B-1 B54-6	YB5L-B YB9-B YB12A-B YB16HL-A-CX 12N5.5-3B 12N7D-3B 12N10-3A-1 6N11A-1B B38-6A	YB7-A YB9L-B YB14A-A1 SYB16L-B 12N5.5A-3B 12N9-3A-1 12N12A-4A-1 6N11-2D	YB7B-B YB10L-B YB16-B 12N7-3B 12N9-3B 6N12A-2D
7				HYB16A-AB Y50-N18A-A	YB16B-A1** Y50-N18L-A	YB18-A Y50-N18L-A-CX	YB18L-A SY50-N18L-AT	
8				YB10A-A2 YB12B-B2 SYB14L-A2 12N10-3A-2	YB10L-A2 YB14-A2 YB14-B2 12N11-3A-1	YB10L-B2 YB14A-A2 YB14L-B2 12N14-3A	YB12AL-A2* YB14L-A2	
9				YHD-12H 12N9-3A				
10				51814	51913	53030		
11				YT9B-BS YT7B-BS	YTZ10S	YTZ12S YT12B-BS	YTZ14S	YT14B-BS
12				YTR4A-BS				
13				YT4B-BS				
14				GYZ20H GYZ20HL				

** Includes terminal adaptor for converting to side mount.

* Includes terminal adaptor for converting to top mount.

HARDWARE

Part No.	Description	Fits	
479100 <i>Replaces 5BNBSBA12</i>	12mm Stainless Steel Bolt & Nut Set <i>Brass Version</i>	Y50N18L-A3 YTX9-BS YTX12-BS YTX14-BS	YTX14H-BS YTX14AH-BS YTX14AHL-BS
479101 <i>Replaces 5BNBLDTN6</i>	12mm Stainless Steel Bolt & Nut Set <i>Brass Version</i> YTX20(H)L-BS	<i>Use only with top mount cables for:</i> YTX15L-BS YTX20(H)-BS YB30CL-B	
478030*	20mm, 12mm Stainless Steel Bolt, Nut, Washer, Brass Spacer Set YTX20(H)-BS	<i>Use with front or top mount cables for:</i> YTX15L-BS YB30L-B YTX20(H)L-BS YIX30L-BS	
479643*	20mm, 12mm Stainless Steel, Lock Washer, Nut and Square Spacer, Brass	YIX30L-BS YTX20H-BS	YTX20HL-BS YTX24-BS
5POLSS16M	16mm Stainless Steel Bolt, Nut, Washer Set	YTX20L-BS YTX20HL-BS	<i>(Polaris Victory only)</i>
5BNBSS14M	14mm Stainless Steel Bolt & Nut Set	YHD-12H YB14L-A1 HYB16A-AB YB16L-B	YB18A YB18L-A Y50-N18L-A SY50-N18L-A
5BNBSS22M	22mm Stainless Steel Bolt & Nut, Brass Spacer Set	YB16-B YB16-B-CX YB16L-B <i>(Arctic Cat units only)</i> YB16HL-A-CX	
479102 <i>Replaces 5BNBLDREP</i>	14mm Stainless Steel Bolt & Nut Set	YB16CL-B YB16C-B	
5BNBSSF6M	11mm Stainless Steel Bolt & Nut Set	12N7-3B 12N7-4A 12N7-4B 12N9-3B 12N9-3A-1 12N9-4B-1 12N12A-4A-1 12N14-3A YB7-A YB7B-B YB9-B YB9A-A YB9L-B YB16AL-A2	YB10A-A2 YB10L-A2 YB10L-B YB10L-B2 YB12A-A YB12A-B YB12AL-A YB14-A2 YB14A-A1 YB14A-A2 YB14-B2 YB14L-B2 YB14L-A2
478651	Battery Terminal Cover Kit	YTX20(H)-BS	YTX20(H)L-BS <i>for Harley-Davidson models:</i> <i>1991-1996 Dyna Glide</i> <i>1991-1996 Softail</i> <i>1984-1990 Softail</i> <i>1979-1996 Sportster</i> <i>1982-1994 FXR Models</i>
479104*	20mm, 12mm, Stainless Steel Bolt, Nut, Washer, Brass Spacer Set	<i>Use with front or top mount cables for:</i> YTX14L-BS	

*Use of thread locking agent recommended

BATTERY SPECIFICATIONS

High Performance, Sealed, Maintenance Free, AGM Factory Activated (Filled, Sealed and Charged at the Factory)

12 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	APPROX WEIGHT WITH ACID LBS	TERMINAL TYPE	ACID VOLUME (LITER)	REGULAR CHARGE CURRENT (AMP)	C.C.A. @ 0°F (-18°C)
		L	W	H	L	W	H						
GYZ20H (GYZ®)	20	6 7/8	3 7/16	6 1/8	175	87	155		15.7	14	N/A	2.0	310
GYZ20HL (GYZ®)	20	6 7/8	3 7/16	6 1/8	175	87	155		15.7	14	N/A	2.0	310
YTX14AH ttt	12	5 5/16	3 1/2	6 9/16	134	89	166		11.1	4	N/A	1.2	210
YTX14AHL	12	5 5/16	3 1/2	6 9/16	134	89	166		11.1	4	N/A	1.2	210
YTX14H	12	6	3 7/16	5 3/4	150	87	145		10.6	4	N/A	1.2	240
YTX20H	18	6 7/8	3 7/16	6 1/8	175	87	155		15.1	4	N/A	1.8	310
YTX20HL	18	6 7/8	3 7/16	6 1/8	175	87	155		15.1	4	N/A	1.8	310
YTX20HL-PW	18	6 7/8	3 7/16	6 7/8 s	175	87	175 s		15.1	4	N/A	1.8	310
YTX24HL	21	8 1/8	3 7/16	6 3/8	205	87	162		17.5	4	N/A	2.1	350
YTZ7S	6	4 7/16	2 3/4	4 1/8	113	70	105		4.6	5	N/A	0.6	130
YTZ10S	8.6	6	3 7/16	3 11/16	150	87	93		7.0	11	N/A	0.9	190
YTZ12S	11	6	3 7/16	4 3/8	150	87	110		8.1	11	N/A	1.1	210
YTZ14S	11.2	6	3 7/16	4 3/8	150	87	110		8.6	11	N/A	1.1	230

High Performance, Sealed, Maintenance Free, AGM Fresh Pack (Battery Supplied Dry with an Acid Bottle)

12 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	APPROX WEIGHT WITH ACID LBS	TERMINAL TYPE (REFER TO PAGE 6)	ACID VOLUME (LITER)	REGULAR CHARGE CURRENT (AMP)	C.C.A. @ 0°F (-18°C)
		L	W	H	L	W	H						
YTX14AH-BS ttt	12	5 5/16	3 1/2	6 9/16	134	89	166		11.1	4	0.66	1.2	210
YTX14AHL-BS	12	5 5/16	3 1/2	6 9/16	134	89	166		11.1	4	0.66	1.2	210
YTX14H-BS	12	6	3 7/16	5 3/4	150	87	145		10.6	4	0.69	1.2	240
YTX20CH-BS	18	6	3 7/16	6 3/8	150	87	161		13.4	4	0.82	1.8	270
YTX20H-BS	18	6 7/8	3 7/16	6 1/8	175	87	155		15.1	4	0.93	1.8	310
YTX20HL-BS	18	6 7/8	3 7/16	6 1/8	175	87	155		15.1	4	0.93	1.8	310
YTX20HL-BS-PW	18	6 7/8	3 7/16	6 7/8 s	175	87	175 s		15.1	4	0.93	1.8	310
YTX24HL-BS	21	8 1/8	3 7/16	6 3/8	205	87	162		17.5	4	1.08	2.1	350
YIX30L-BS	30	6 9/16	5	6 7/8	166	126	175		22.0	5	1.40	3.0	385

Sealed, Maintenance Free, AGM Factory Activated (Filled, Sealed and Charged at the Factory)

12 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	APPROX WEIGHT WITH ACID LBS	TERMINAL TYPE (REFER TO PAGE 6)	ACID VOLUME (LITER)	REGULAR CHARGE CURRENT (AMP)	C.C.A. @ 0°F (-18°C)
		L	W	H	L	W	H						
GYZ20L (GYZ®)	20	6 7/8	3 7/16	6 1/8	175	87	155		15.2	4	N/A	2.0	250
YTX9	8	6	3 7/16	4 3/16	150	87	105		6.6	5	0.40	0.9	135
YTX12	10	6	3 7/16	5 1/8	150	87	130		9.2	5	0.60	1.2	180
YTX14	12	6	3 7/16	5 3/4	150	87	145		9.7	5	0.69	1.4	200
YTX14L	12	6	3 7/16	5 3/4	150	87	145		9.7	5	0.69	1.4	200
YTX20	18	6 7/8	3 7/16	6 1/8	175	87	155		13.9	4	0.93	1.8	270
YTX20L	18	6 7/8	3 7/16	6 1/8	175	87	155		13.9	4	0.93	1.8	270
YIX30L	30	6 9/16	5	6 7/8	166	126	175		22.0	5	N/A	3.0	385

††† Includes 10mm spacer for use in replacing YB14A-A1 and YB14A-A2.

s Includes 20mm spacer for use in replacing YB16CL-B.

k Available at Kawasaki dealers only.

BATTERY SPECIFICATIONS

**Sealed, Maintenance Free, AGM
Fresh Pack (Battery Supplied Dry with an Acid Bottle)**

12 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	APPROX WEIGHT WITH ACID LBS	TERMINAL TYPE (REFER TO PAGE 6)	ACID VOLUME (LITER)	REGULAR CHARGE CURRENT (AMP)	C.C.A. @ 0°F (-18°C)
		L	W	H	L	W	H						
YTR4A-BS	2.3	4 1/2	1 15/16	3 3/8	114	49	86		2.4	12	0.14	0.3	45
YT4B-BS	2.3	4 1/2	1 9/16	3 7/16	114	39	86.5		2.4	13	0.12	0.3	40
YTX4L-BS	3	4 1/2	2 13/16	3 3/8	114	71	86		3.4	5	0.18	0.4	50
YTX5L-BS	4	4 1/2	2 13/16	4 3/16	114	71	106		4.2	5	0.24	0.5	80
YT7B-BS	6.5	6	2 9/16	3 11/16	150	65	93		5.9	11	0.33	0.7	120
YTX7A-BS	6	6	3 7/16	3 3/4	150	87	94		6.3	5	0.33	0.7	105
YTX7L-BS	6	4 1/2	2 13/16	5 3/16	114	71	131		6.1	5	0.33	0.6	100
YT9B-BS	8	6	2 3/4	4 1/8	150	70	105		8.7	11	0.40	0.8	115
YTX9-BS	8	6	3 7/16	4 3/16	150	87	105		6.6	5	0.40	0.9	135
YT12A-BS	10	6	3 7/16	4 3/16	150	87	105		7.7	5	0.47	1.0	175
YT12B-BS	10	6	2 3/4	5 1/8	150	69	130		9.0	11	0.52	1.0	215
YTX12-BS	10	6	3 7/16	5 1/8	150	87	130		9.2	5	0.60	1.2	180
KMX14-BS K	12	6	3 7/16	5 3/4	150	87	145		8.1	5	0.69	1.4	200
YT14B-BS	12	6 1/8	2 3/4	5 3/4	150	70	145		11.8	11	0.60	1.2	210
YTX14-BS	12	6	3 7/16	5 3/4	150	87	145		9.7	5	0.69	1.4	200
YTX14L-BS	12	6	3 7/16	5 3/4	150	87	145		9.7	5	0.69	1.4	200
YTX15L-BS	13	6 7/8	3 7/16	5 1/8	175	87	130		11.0	4	0.69	1.3	230
YTX16-BS	14	6	3 7/16	6 3/8	150	87	161		12.6	4	0.78	1.4	230
YTX16-BS-1	14	6	3 7/16	6 3/8	150	87	161		12.6	1	0.78	1.4	230
YTX20-BS	18	6 7/8	3 7/16	6 1/8	175	87	155		13.9	4	0.93	1.8	270
YTX20L-BS	18	6 7/8	3 7/16	6 1/8	175	87	155		13.9	4	0.93	1.8	270

BATTERY UPGRADE CROSS REFERENCE CHART

FACTORY ACTIVATED MAINTENANCE FREE	HIGH PERFORMANCE MAINTENANCE FREE	MAINTENANCE FREE VRLA	YUMICRON CX	YUMICRON	CONVENTIONAL
-	-	-	-	6YB11-2D	6N11-2D
-	YTX4L-BS	YT4L-BS (Discontinued)	-	YB4L-A, YB4L-B	-
YTZ7S	YTX5L-BS	YT5L-BS (Discontinued)	-	-	-
-	-	-	-	YB5L-B	12N5-3B
-	-	-	-	YB7L-B	12N7-3B
-	-	-	-	YB7-A	12N7-4A
-	-	-	-	YB9-B	12N9-4B-1
-	-	-	-	YB9L-B	12N9-3B
-	-	-	-	YB10L-A2	12N10-3A-2
-	-	-	-	YB12A-A	12N12A-4A-1
YTX14H	YTX14H-BS	YTX14-BS	-	-	-
YTX14AH	YTX14AH-BS	-	-	YB14-A2, YB14-B2	-
YTX14AH †††	YTX14AH-BS †††	-	-	YB14A-A1, YB14A-A2	-
YTX14AHL	YTX14AHL-BS	-	-	YB14L-A2	12N14-3A
YTX14AHL	YTX14AHL-BS	-	-	YB14L-B2	-
-	YTX20CH-BS	YTX16-BS	-	-	-
GYZ20H ^D , YTX20H, YTX20 [‡]	YTX20H-BS †	YTX20-BS †	YB16-B-CX	YB16-B	-
YTX20H, YTX20 [‡]	YTX20H-BS †	YTX20-BS †	-	YB18-A	-
YTX20HL-PW ^S	YTX20HL-BS-PW ^S	-	-	YB16CL-B	-
YTX20HL, YTX20L ^C	YTX20HL-BS ^C	YTX20L-BS ^C	YB16HL-A-CX	-	-
YTX20HL, YTX20L [‡]	YTX20HL-BS †	YTX20L-BS †	-	YB16L-B	-
YTX20HL, YTX20L [‡]	YTX20HL-BS †	YTX20L-BS †	-	YB18L-A	-
GYZ20HL ^D	YTX20HL-BS †	YTX20L-BS	-	-	-
YTX24HL ††	YTX24HL-BS ††	-	Y50-N18L-A-CX	Y50-N18L-A	-
YTX24HL	YTX24HL-BS	-	-	Y50-N18L-A3	-
YTX24HL †† (1)	YTX24HL-BS †† (1)	-	-	SY50-N18L-AT	-
YIX30L	YIX30L-BS	-	-	YB30L-B	-
YIX30L	YIX30L-BS	-	-	53030	Y60-N24AL-B(Disc.)

VRLA Valve Regulated Lead Acid.

††† Includes 10mm spacer for use in replacing YB14A-A1 and YB14A-A2.

^S Includes 20mm spacer for use in replacing YB16CL-B.

^C Requires use of Yuasa Cover/Spacer Kit, see part no. 478651.

^D For Harley-Davidson models only.

‡ The YTX20 series batteries may be used as an optional upgrade, but some modification to the hold down may be necessary. See battery label for retrofit cautions.

†† Top and front terminal mounts only.

(1) Eliminates need for sensor (needs to be disabled).

BATTERY SPECIFICATIONS

High Performance, Conventional (Yumicron CX)

12 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	WEIGHT W/O ACID LBS	TERMINAL TYPE (REFER TO PAGE 6)	ACID VOLUME (OZ)	REGULAR CHARGE CURRENT (AMP)
		L	W	H	L	W	H					
YB16-B-CX	19	6 7/8	4	6 1/8	175	100	155		10.5	6	40.6	1.9
YB16HL-A-CX	19	6 7/8	4	6 1/8	175	100	155		10.5	6	40.6	1.9
Y50-N18L-A-CX	20	8 1/8	3 9/16	6 3/8	205	90	162		11.2	7	47.3	2.0

High Performance, Conventional (Yumicron)

12 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	WEIGHT W/O ACID LBS	TERMINAL TYPE (REFER TO PAGE 6)	ACID VOLUME (OZ)	REGULAR CHARGE CURRENT (AMP)
		L	W	H	L	W	H					
YB2.5L-C	2.5	3 3/16	2 3/4	4 1/8	80	70	105		1.7	–	8.1	0.3
YB2.5L-C-1	2.5	3 3/16	2 3/4	4 1/8	80	70	105		1.7	–	8.1	0.3
YB3L-A	3	3 7/8	2 1/4	4 3/8	98	56	110		2.5	6	8.1	0.3
YB3L-B	3	3 7/8	2 1/4	4 3/8	98	56	110		2.5	6	8.1	0.3
YB4L-A	4	4 3/4	2 3/4	3 5/8	120	70	92		2.8	5	10.1	0.4
YB4L-B	4	4 3/4	2 3/4	3 5/8	120	70	92		2.8	5	10.1	0.4
YB5L-B	5	4 3/4	2 3/8	5 1/8	120	60	130		3.5	6	12.2	0.5
YB7-A	8	5 5/16	3	5 1/4	135	75	133		5.1	6	20.3	0.8
YB7B-B	7	6	2 3/8	5 1/8	150	60	130		4.0	6	16.9	0.7
YB7C-A	8	5 1/8	3 9/16	4 1/2	130	90	114		5.1	1	20.3	0.8
YB7L-B	8	5 5/16	3	5 1/4	135	75	133		5.1	6	20.3	0.8
YB9A-A	9	5 5/16	3	6 1/8	135	75	155		5.3	6	20.3	0.9
YB9L-A2	9	5 5/16	3	5 1/2	135	75	139		5.3	2	20.3	0.9
YB9-B	9	5 5/16	3	5 1/2	135	75	139		5.3	6	20.3	0.9
YB9L-B	9	5 5/16	3	5 1/2	135	75	139		5.3	6	20.3	0.9
YB10A-A2	11	5 5/16	3 9/16	6 1/8	135	90	155		7.0	8	27.0	1.1
YB10L-A2	11	5 5/16	3 9/16	5 3/4	135	90	145		7.0	8	27.0	1.1
YB10L-B	11	5 5/16	3 9/16	5 3/4	135	90	145		7.0	6	27.0	1.1
YB10L-B2	11	5 5/16	3 9/16	5 3/4	135	90	145		7.0	8	27.0	1.1
YB12A-A	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	27.0	1.2
YB12A-A w/s †	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	27.0	1.2
YB12A-A w/TA **	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	27.0	1.2
YB12AL-A w/TA D	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	25.4	1.2
YB12AL-A	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	25.4	1.2
YB12AL-A2 *	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	8	25.4	1.2
YB12A-B	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	25.4	1.2

† When ordering this battery, specify sensor
 * Includes **terminal adaptor** for converting to top mount
 ** When ordering this battery, specify **terminal adaptor**
 D Discontinued, use YB12AL-A2

BATTERY SPECIFICATIONS

High Performance, Conventional (Yumicron)

12 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	WEIGHT W/O ACID LBS	TERMINAL TYPE (REFER TO PAGE 6)	ACID VOLUME (OZ)	REGULAR CHARGE CURRENT (AMP)
		L	W	H	L	W	H					
YB12B-B2	12	6 5/16	3 9/16	5 1/8	160	90	130		7.1	8	27.0	1.2
YB12C-A	12	5 5/16	3 3/16	6 7/8	134	80	175		7.1	4	27.0	1.2
YB14-A2	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB14A-A1	14	5 5/16	3 1/2	6 15/16	134	89	176		7.9	6	30.4	1.4
YB14A-A2	14	5 5/16	3 1/2	6 15/16	134	89	176		7.9	8	30.4	1.4
YB14L-A1	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	1	30.4	1.4
YB14L-A2	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB14L-A2 w/s †	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB14L-B2	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB14-B2	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
SYB14L-A2 #	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
SYB14L-B2 #D1	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB16AL-A2	16	8 1/8	2 13/16	6 7/16	207	71.5	164		8.6	2	37.2	1.6
HYB16A-AB	16	6	3 5/8	7 1/16	151	91	180		8.5	7	30.4	1.6
YB16-B	19	6 7/8	4	6 1/8	175	100	155		10.5	6	40.6	1.9
YB16L-B	19	6 7/8	4	6 1/8	175	100	155		10.5	6	40.6	1.9
YB16B-A	16	6 5/16	3 9/16	6 3/8	160	90	161		8.4	4	33.8	1.6
YB16B-A1 *	16	6 5/16	3 9/16	6 3/8	160	90	161		8.4	7	33.8	1.6
YB16C-B	19	6 7/8	4	6 7/8	175	100	175		10.1	5	40.6	1.9
YB16CL-B	19	6 7/8	4	6 7/8	175	100	175		10.1	5	40.6	1.9
SYB16L-B # D2	19	6 15/16	4	6 1/8	175	100	155		9.3	6	43.9	1.9
YB18-A	18	7 1/8	3 9/16	6 3/8	180	90	162		9.4	7	40.6	1.8
YB18L-A	18	7 1/8	3 9/16	6 3/8	180	90	162		9.4	7	40.6	1.8
Y50-N18A-A	20	8 1/8	3 9/16	6 15/16	205	90	176		11.2	7	50.7	2.0
Y50-N18L-A	20	8 1/8	3 9/16	6 3/8	205	90	162		11.2	7	47.3	2.0
Y50-N18L-A3	20	8 1/8	3 9/16	6 3/8	205	90	162		11.2	4	47.3	2.0
SY50-N18L-AT #	20	8 1/8	3 9/16	6 3/8	205	90	162		11.2	7	47.3	2.0
Y60-N24-A	28	7 1/4	4 7/8	6 7/8	184	124	175		14.4	3	57.5	2.8
Y60-N24AL-B D3	28	7 1/4	4 7/8	6 7/8	184	124	175		14.4	3	57.5	2.8
YB30L-B	30	6 5/8	5 3/16	6 15/16	168	132	176		14.1	4	57.5	3.0
YB30CL-B	30	6 5/8	5 3/16	7 9/16	168	132	192.2		14.5	4	57.5	3.0
51814	19***	7 7/16	3 1/4	6 7/8	186	82	171		9.4	10	33.8	1.9
51913	19***	7 7/16	3 1/4	6 7/8	186	82	171		9.4	10	33.8	1.9
53030	30***	7 7/16	5 1/8	6 7/8	186	130	171		16.1	10	54.1	3.0

† When ordering this battery, specify sensor
 # This battery includes a **sensor**
 * YB16B-A1 Includes **terminal adaptor** for converting to side mount
 *** @ 20 hr. rate

D1 Discontinued, use YB14L-B2
 D2 Discontinued, use YB16L-B
 D3 Discontinued, use 53030

BATTERY SPECIFICATIONS

Conventional

6 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	WEIGHT W/O ACID LBS	TERMINAL TYPE (REFER TO PAGE 6)	ACID VOLUME (OZ)	REGULAR CHARGE CURRENT (AMP)
		L	W	H	L	W	H					
6N2-2A	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2-2A-1	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2-2A-3	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2-2A-4	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2-2A-8	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2A-2C	2	2 3/4	1 7/8	4 3/16	70	47	106		1.0	-	3.4	0.2
6N2A-2C-1 ##	2	2 3/4	1 7/8	4 3/16	70	47	106		1.0	-	3.4	0.2
6N2A-2C-3	2	2 3/4	1 7/8	4 3/16	70	47	106		1.0	-	3.4	0.2
6N4-2A	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-3	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-4	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-5	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-6	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-8	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4A-4D	4	2 3/8	2 1/4	5 1/8	61	57	131		1.7	-	6.8	0.4
6N4B-2A	4	4	1 7/8	3 3/4	102	48	96		1.7	-	6.8	0.4
6N4B-2A-3	4	4	1 7/8	3 3/4	102	48	96		1.7	-	6.8	0.4
6N4B-2A-5	4	4	1 7/8	3 3/4	102	48	96		1.7	-	6.8	0.4
6N4C-1B	4	2 13/16	2 13/16	4 1/8	71	71	105		1.4	-	6.8	0.4
6N5.5-1D	5.5	3 9/16	2 3/4	3 15/16	90	70	100		1.8	-	10.1	0.6
6N5.5-1D-1 D5	5.5	3 9/16	2 3/4	3 15/16	90	70	100		1.8	-	10.1	0.6
6N6-1B	6	3 7/8	2 1/4	4 3/8	99	57	111		2.0	-	10.1	0.6
6N6-3B	6	3 7/8	2 1/4	4 3/8	99	57	111		2.0	6	10.1	0.6
6N6-3B-1	6	3 7/8	2 1/4	4 3/8	99	57	111		2.0	6	10.1	0.6
6N6-1D D5	6	3 7/8	2 1/4	4 3/8	99	57	111		2.0	-	10.1	0.6
6N6-1D-2	6	3 7/8	2 1/4	4 3/8	99	57	111		2.0	-	10.1	0.6
B39-6	7	4 15/16	1 7/8	4 15/16	126	48	126		2.8	6	10.1	0.7
6N11-2D	11	5 7/8	2 3/4	3 15/16	150	70	100		3.5	6	13.5	1.1
6N11A-1B	11	4 13/16	2 7/16	5 1/8	122	62	131		3.5	6	13.5	1.1
B54-6	12	6 1/8	2 1/4	4 9/16	156	57	116		3.8	6	16.9	1.2
6N12A-2D	12	6 1/8	2 1/4	4 9/16	156	57	116		3.8	6	15.2	1.2
B38-6A	13	4 11/16	3 1/4	6 15/16	119	83	161		4.7	6	21.0	1.3
6YB8L-B	8	4 3/4	2 3/4	3 3/4	120	70	95		3.0	6	10.5	0.8
6YB11-2D	11	5 7/8	2 3/4	3 15/16	150	70	100		4.4	6	13.5	1.1

6N2A-2C-1 replaces B60-6
D5 Discontinued

BATTERY SPECIFICATIONS

Conventional

12 VOLT

BATTERY TYPE	CAPACITY AH (10H-R)	DIMENSIONS – INCHES (± 1/16 IN)			DIMENSIONS – MILLIMETERS (± 2 MM)			ASSEMBLY FIGURE (AS PER COVER POLARITY)	WEIGHT W/O ACID LBS	TERMINAL TYPE (REFER TO PAGE 6)	ACID VOLUME (OZ)	REGULAR CHARGE CURRENT (AMP)
		L	W	H	L	W	H					
12N5-3B	5	4 3/4	2 3/8	5 1/8	120	60	130		3.1	6	13.5	0.5
12N5-4B	5	4 3/4	2 3/8	5 1/8	120	60	130		3.1	6	13.5	0.5
12N5.5-3B	5.5	5 5/16	2 3/8	5 1/8	135	60	130		4.3	6	13.5	0.6
12N5.5-4A	5.5	5 5/16	2 3/8	5 1/8	135	60	130		4.3	2	13.5	0.6
12N5.5A-3B	5.5	4 1/16	3 9/16	4 1/2	103	90	114		4.3	6	16.9	0.6
12N7-3B	7	5 5/16	3	5 1/4	135	75	133		4.9	6	16.9	0.7
12N7-4A	7	5 5/16	3	5 1/4	135	75	133		4.9	6	16.9	0.7
12N7-4B	7	5 5/16	3	5 1/4	135	75	133		4.9	6	16.9	0.7
12N7D-3B	7	5 5/16	3	5 15/16	135	75	150		4.9	6	20.3	0.7
12N9-3A	9	5 5/16	3	5 1/2	135	75	139		5.4	9	20.3	0.9
12N9-3A-1 D4	9	5 5/16	3	5 1/2	135	75	139		5.4	6	20.3	0.9
12N9-3B	9	5 5/16	3	5 1/2	135	75	139		5.4	6	20.3	0.9
12N9-4B-1	9	5 5/16	3	5 1/2	135	75	139		5.4	6	20.3	0.9
12N10-3A D5	10	5 5/16	3 9/16	5 3/4	135	90	145		6.4	6	27.0	1.0
12N10-3A-1 D5	10	5 5/16	3 9/16	5 3/4	135	90	145		6.4	6	27.0	1.0
12N10-3A-2	10	5 5/16	3 9/16	5 3/4	135	90	145		5.8	8	27.0	1.0
12N11-3A-1	11	5 5/16	3 9/16	6 1/8	135	90	155		7.5	8	27.0	1.1
12N12A-4A-1	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	23.7	1.2
12N14-3A	14	5 5/16	3 1/2	6 9/16	134	89	166		7.5	8	27.0	1.4
12N24-3A	24	7 1/4	4 7/8	6 7/8	184	124	175		12.1	3	40.6	2.4
12N24-3	24	7 1/4	4 7/8	6 7/8	184	124	175		12.1	3	40.6	2.4
YHD-12H	29	8 1/8	5 1/4	6 1/2	206	133	165		13.3	9	74.4	2.8

D4 Discontinued, use YB9L-A2
D5 Discontinued

DESIGNATION OF BATTERY TYPE NUMBERS

Examples:

6 N 2 - - 2 A - 8 Y 50 - N 18 L - A YB 16 A L - A 2

12 N 12 A - 4 A - 1

a b c d e f g h j i b i e f h i d e f g

Y T X 20 H L - B S

k m i m e g l

Y T Z 10 S

Y T X 7 L - B S

k m i e g l

Designations:

- a - nominal voltage
- b - vented type (normal type)
- c - battery capacity at 10 hour rate
- d - indication of different size of the same capacity batteries
- e - polarity location (see Fig. 1), configuration
- f - location of opening for exhaust (see Fig. 2)
- g - type of terminal
- h - symbol of YuMicron batteries
- i - performance level
- j - cranking or starting power
- k - symbol of Yuasa maintenance free (VRLA) batteries (YT, YI)
- l - sealed, non-spillable
- m - high performance

Fig. 1 "e" Polarity Location (L indicates positive terminal is located at right side.)

6N4C-1B	6N2-2A	YB10L-A2	YB12A-A

Fig. 2 "f" Location of opening for exhaust

12N7-4A	YB16CL-B	6N2A-2C	6N6-1D-2

BATTERY SUPPLIER CROSS REFERENCE

Yuasa	EXIDE	Deka	Delco	Interstate	GS-Zlong Yee	GS-JSB	Motocross	NAPA	Sears	Wal-Mart	Yacht
Premium Maintenance Free											
YTR4A-BS	-	-	-	CYTR4A-BS	GTR4A-5	-	M62R4A	-	-	-	-
YT4B-BS	-	-	-	CYT4B-BS	GT4B-5	-	M62T4B	-	-	-	-
YTX4L-BS	4L-BS	-	GT4L-BS	CYTX4L-BS	GT4L-BS	-	M62X4B	740-1865	44015	ES4LBS	CT4L-BS
YTX5L-BS	5L-BS	-	GTX5L-BS	CYTX5L-BS	GTX5L-BS	-	M32X5B	-	44022	-	-
YTX7A-BS	7A-BS	-	-	CYTX7A-BS	GTX-7A-BS	-	M32X7A	-	44023	-	CTX7A-BS
YT7B-BS	-	-	-	CYT7B-BS	GT7B-4	-	M62T7B	-	-	-	-
YTX7L-BS	7L-BS	-	-	CYTX7L-BS	-	GTX7L-BS	M327BS	-	44024	-	CTX7L-BS
YTZ7S	-	-	-	FAYTZ7S	GT6B-3	-	M727ZS	-	-	-	-
YTX9-BS	9-BS	ETX9	GTX9-BS	CYTX9-BS	GTX9-BS	-	M329BS	740-1825	44025	-	CTX9-BS
YT9B-BS	-	-	-	CYT9B-BS	GT9B-4	-	M629B4	-	-	-	-
YTZ10S	-	-	-	FAYTZ10S	-	-	M7210A	-	-	-	-
YTX12-BS	12-BS	ETX12	GTX12-BS	CYTX12-BS	GTX12-BS	-	M3RH2S	740-1866	44016	ES12BS	CTX12-BS
YT12B-BS	-	-	-	CYT12B-BS	GT12B-4	-	M6212B	-	-	-	-
YTZ12S	-	-	-	FAYTZ12S	-	-	M7212A	-	-	-	-
YTX14-BS	14-BS	ETX14	GTX14-BS	CYTX14-BS	GTX14-BS	-	M3RH4S	740-1886	44017	ES14BS	CTX14-BS
YTX14AH-BS	-	ETX15	-	CYTX14AH-BS	-	-	M62H4A	-	44004	-	-
YTX14AHL-BS	-	ETX15L	-	CYTX14AHL-BS	-	-	M62H4L	-	44005	-	-
YT14B-BS	-	-	-	CYT14B-BS	GT14B-4	-	M624B4	-	-	-	-
YTX14L-BS	-	-	-	CYTX14L-BS	-	-	-	-	-	-	CTX14L-BS
YTZ14S	-	-	-	FAYTZ14S	-	-	M72Z14	-	-	-	CTX20L-BS
YTX15L-BS	-	-	-	CYTX15L-BS	-	-	M6215L	-	44162	-	-
YTX16-BS	-	-	-	CYTX16-BS	-	-	M32X6S	-	-	-	-
YTX20-BS	16-BS	ETX16	TBA	CYTX20-BS	GT16-BS	-	M32RBS	TBA	44028	-	-
YTX20CH-BS	-	-	-	CYTX20CH-BS	-	-	M6220C	-	-	-	CTX20CH-BS
YTX20L-BS	16L-BS	ETX16L	TBA	CYTX20L-BS	GT16L-BS	-	M320BS	TBA	44027	-	-
YTX20L-BS	20L-BS	ETX20L	TBA	CYTX20L-BS	GTX20L-BS	-	M320BS	TBA	44027	-	CTX20L-BS
YTX24HL-BS	18L-BS	ETX18L	TBA	CYTX24HL-BS	GTX18L-BS	-	M6250H	TBA	44006	-	CTX24HL-BS
YIX30L-BS	-	-	-	FAYIX30L	-	YGIX30	M7230L	-	-	-	CTX30L-BS

BATTERY SUPPLIER CROSS REFERENCE

(continued)

Yuasa	EXIDE	Deka	Delco	Interstate	GS-Ztong Yee	GS-JSB	Motocross	NAPA	Sears	Wal-Mart	Yacht
Premium											
YB2.5L-C	2.5L-C	-	-	YB2.5L-C	CB2.5L-C	GM2.5A-3C-3	M325LC	-	44035	-	CB2.5L-C
YB2.5L-C-1	2.5L-C-1	-	-	YB2.5L-C-1	CB2.5L-C-1	GM2.5A-3C-1	M32LC1	-	44036	-	CB2.5L-C-1
YB3L-A	3L-A	-	-	YB3L-A	CB3L-A	GM3-3A	M323LA	-	44037	-	CB3L-A
YB3L-B	3L-B	-	-	YB3L-B	CB3L-B	GM3-3B	M223LB	-	44038	-	CB3L-B
YB4L-A	4L-A	-	-	YB4L-A	CB4L-A	GM4A-3B	M224LA	-	44039	-	CB4L-A
YB4L-B	4L-B	-	MC0414	YB4L-B	CB4L-B	GM4-3B	M324LB	740-1861	44014	-	CB4L-B
YB5L-B	5L-B	-	-	YB5L-B	CB5L-B	GM5Z-3B	M325LB	740-1868	44353	-	CB5L-B
YB7-A	7-A	-	-	YB7-A	CB7-A	GM7Z-4A	M227AY	-	44040	-	CB7-A
YB7C-A	7C-A	-	-	YB7C-A	-	GM7CZ-3D	M227CY	M227CY	44041	-	CB7C-A
YB7L-B	7L-B	-	-	YB7L-B	CB7L-B	GM7-3B-1	M2273Y	-	44042	-	CB7L-B
YB9A-A	9AA	-	CB9A-A	YB9A-A	CB9A-A	GM9AZ-4A	M329AY	740-1872	44043	-	CB9A-A
YB9L-A2	9L-A2	-	-	YB9L-A2	CB9L-A2	-	M2292Y	-	44044	-	CB9L-A2
YB9-B	9-B	-	-	YB9-B	CB9-B	GM9Z-4B	M329BY	740-1858	44356	-	CB9-B
YB9L-B	9LB	-	-	YB9L-B	CB9L-B	GM9Z-3B	M329LY	740-1837	44045	-	CB9L-B
YB10A-A2	10A-A	-	-	YB10A-A2	CB10A-A	-	M321AY	-	44046	-	CB10A-A
YB10L-A2	10LA2	-	MC1114	YB10L-A2	CB10L-A2	GM10Z-3A	M3210Y	740-1857	44355	ES10LA2	CB10L-A2
YB10L-B	10L-B	-	-	YB10L-B	CB10L-B	GM10-3B	M321LB	740-1831	44047	-	CB10L-B
YB10L-B2	10L-B2	-	-	YB10L-B2	CB10L-B2	-	M221L2	740-1832	44048	-	-
YB12A-A	12AA	-	MC1216	YB12A-A	CB12A-A	GM12AZ-4A-1	M3212Y	740-1854	44358	ES12AA	CB12A-A
YB12AL-A	12AL-A	-	-	YB12AL-A	CB12AL-A	GM12AZ-3A-1	M3221Y	740-1873	44052	-	CB12AL-A
YB12A-B	12A-B	-	-	YB12A-B	-	-	M222AB	-	44053	-	CB12A-B
YB12B-B2	12B-B2	-	-	YB12B-B2	CB12B-B2	GM12B-4B	M221B2	-	44054	-	CB12B-B2
YB12C-A	12C-A	-	-	YB12C-A	-	GM12CZ-4A-2	M222CA	-	44055	-	CB12C-A
YB14-A2	14-A2	-	-	YB14-A2	CB14-A2	GM14Z-4A	M3214H	740-1864	44363	-	CB14-A2
YB14A-A1	14AA1	-	-	YB14A-A1	CB14A-A	GM14AZ-4A	M224A1	740-1826	44056	-	CB14A-A1
YB14A-A2	14AA2	-	MC1418	YB14A-A2	CB14A-A2	GM14AZ-4A-1	M3214A	740-1860	-	ES14AA2	CB14A-A2
YB14L-A1	14L-A1	-	-	YB14L-A1	CB14L-A1	GM14Z-3A-1	M22141	-	44057	-	CB14L-A1
YMF14L-2 *	14L-2	-	-	-	-	-	-	-	-	-	-
YB14L-A2	14L-A2	-	MC1406	YB14L-A2	CB14L-A2	GM14Z-3A	M3214Y	740-1851	44364	ES14L-A2	CB14L-A2
YB14L-B2	14L-B2	-	-	YB14L-B2	CB14L-B2	GM14Z-3B	M2214B	740-1828	44059	-	CB14L-B2
YB14-B2	14-B2	-	-	YB14-B2	CB14-B2	-	M224B2	-	44060	-	CB14-B2
SYB14L-A2	14LA2	-	-	SYB14L-A2	SCB14-LA2	-	M2214S	-	44061	-	SCB14-LA2
SYB14L-B2	14-LB2	-	-	SYB14L-B2	SCB14-LB2	-	M22B4S	-	44062	-	SCB14-LB2
YB16AL-A2	16ALA2	-	CB16AL-A2	YB16AL-A2	CB16AL-A2	GM16A-3A	M32162	740-1877	44063	-	CB16AL-A2
HYB16A-AB	16AA	-	-	HYB16A-AB	HCB16A-A	GM16-T	M32H6B	740-1867	44064	-	HCB16A-A
YB16-B	16B	-	MC1912	YB16-B	CB16-B	GM16Z-4BH	M3216Y	740-1852	44366	ES16B	CB16-B
YB16L-B	16LB	-	-	YB16L-B	CB16L-B	GM16Z-3B	M3216K	740-1827	44065	-	CB16L-B
YB16-B-CX	16B-LM	-	-	YB16-B-LM	GT16-BS	-	M3216C	-	44029	-	CB16-B-LM
YB16HL-A-CX	16HL-A-LM	-	-	YB16HL-A-LM	GT16L-BS	-	M2H16C	-	-	-	CB16HL-A-LM
YB16B-A	16B-A	-	-	YB16B-A	-	GM16B-4A	M2216B	-	44066	-	CB16B-A
YB16B-A1	16B-A1	-	-	YB16B-A1	-	-	M22161	-	44067	-	CB16B-A1
YB16C-B	16C-B	-	-	YB16C-B	-	-	M326CB	-	44068	-	-
YB16CL-B	16CLB	-	M1924	YB16CL-B	CB16CL-B	GM16AZ-3B	M3S6CL	740-1862	44001	ES16CLB	CB16CL-B
SYB16L-B	16L-B	-	-	SYB16L-B	SCB16L-B	-	M22S6A	-	44069	-	SCB16L-B
YB18-A	18-A	-	-	YB18-A	CB18-A	GM18A-4A	M321Y	740-1874	44070	-	CB18-A
YB18L-A	18LA	-	-	YB18L-A	CB18L-A	GM18A-3A	M3218L	740-1871	44071	-	CB18L-A
Y50-N18A-A	50-N18A-A	-	-	Y50-N18A-A	-	-	M228AY	-	44072	-	C50-N18A-A
Y50-N18L-A	50N18LA2	-	MC2008	Y50-N18L-A	C50-N18L-A3	GM18Z-3A(S)	M3218Y	-	-	ES50N-N18L-A	SCB50-N18L-A
Y50-N18L-A3	50N18LA3 **	-	-	Y50-N18L-A3	C50-N18L-A3	-	M328A3	740-1855	44359	-	C50-N18L-A3
Y60-N24-A	60-N24-A	-	-	Y60-N24-A	C60-N24L-A	-	M2224A	-	44074	-	C60-N24-A
Y60-N24AL-B	60-N24AL-B	-	-	Y60-N24AL-B	-	-	M2224B	740-1880	44075	-	C60-N24AL-B

* Superseded by YTX14AHL-BS

** EXIDE's 50N18LA2 replaces 50N18LA3



MOTORCYCLE APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
APRILIA							BIMOTA (continued)						
1000	RSV4 R, Factory	'09-'11	YTZ10S	-	-	-	1000	YB8/YB10	'92-'95	YTX144HL-BS *	-	YB14L-A2	-
	ETV Caponard	'02-'03	YTX14H-BS *	YTX14-BS	-	-		YB11	'96-'99	-	YTX12-BS	-	-
	RST Futura	'01-'04	-	YTX12-BS	-	-	996	SB8R, SB8RS	'98-'00	-	YTX12-BS	-	-
	RSV 1000 Mille SP	'99	-	YTX12-BS	-	-	900	DB2	'93-'95	YTX144HL-BS *	-	YB14-A2 *	-
	RSV 1000 R, Factory	'04-'11	-	YTX12-BS	-	-		DB2 Final Edition	'97	YTX144HL-BS *	-	YB14-A2 *	-
	RSV 1000 Mille R	'01-'05	-	YTX12-BS	-	-		DB3 Mantra	'97-'99	-	YTX7L-BS(x2)	-	-
	RSV 1000 Mille	'01-'09	-	YTX12-BS	-	-		DB4	'98-'00	-	Not available	-	-
	RSV 1000 Mille	'00	-	YTX12-BS	-	-		Tesi	'91-'95	YTX144HL-BS *	-	YB14-A2 *	-
	Tuono 1000 R, Factory	'03-'11	-	YTX12-BS	-	-	BMW						
	SL Falco	'01-'03	YTX14H-BS *	YTX14-BS	-	-	1300	K1300GT	'09-'11	-	-	51913	-
850	MANA850, GT	'09-'11	YTX14H-BS *	YTX14-BS	-	-		K1300R, S	'09-'11	YTX14H-BS *	YTX14-BS	-	-
750	Shiver	'09-'11	YTX14H-BS *	YTX14-BS	-	-	1200	K1200R, S	'05-'09	YTX14H-BS *	YTX14-BS	-	-
	Dorsoduro	'09-'11	YTX14H-BS *	YTX14-BS	-	-		R1200GS, S, R	'05-'11	YTX14H-BS *	YTX14-BS	-	-
650	Pegaso	'00	-	-	YB12AL-A	-		R1200GS, Adventure	'09-'11	YTZ14S	-	-	-
	Pegaso Strada, Factory, Trail	'09-'10	-	YTX12-BS	-	-		K1200LT, GT	'05-'09	-	-	51913	-
550	RXV550	'-10	-	YTX7A-BS	-	-		R1200RT	'05-'11	-	-	51913	-
	SVX550	'-10	-	YTX7A-BS	-	-		K1200LT, GT, RS, S	'99-'05	-	-	51913	-
500	Scarabeo	'04-'05	YTX144HL-BS	-	-	-		K1200RS	'97-'05	-	-	51913	-
	Atlantic	'03-'05	YTX144HL-BS	-	-	-		R1200C	'98-'05	-	-	51913	-
450	RXV450	'-10	-	YTX7A-BS	-	-		HP2 Sport/Megamoto	'-11	YTX14H-BS *	YTX14-BS	-	-
	SVX450	'-10	-	YTX7A-BS	-	-	1150	R1150GS, R	'00-'05	-	-	51913	-
250	RS250	'00-'04	-	-	YB4L-B	-	1100	K1100LT/RS	'90-'95	-	-	51913	-
200	Atlantic	'04-'05	-	-	YB12AL-A	-		R1100GS	'94-'00	-	-	51913	-
150	Scarabeo	'00-'04	-	-	YB12AL-A	-		R1100R	'94-'00	-	-	51913	-
	Mojito	'04-'05	-	YTX7L-BS	-	-		R1100RS, RT	'93-'00	-	-	51913	-
125	RS125	'-11	-	-	YB9-B	-		R1100S	'99-'00	-	-	51913	-
50	RS50	'00-'05	-	-	YB4L-B	-	1000	All "K" Models	'83-'93	YIX30L-BS *	-	53030	-
	SR50	'00-'01	-	-	YB4L-B	-		R1007	'76-'84	YIX30L-BS *	-	53030	-
	SR50 Ditech	'01-'05	YTZ7S *	YTX5L-BS	-	-		R100GS, PD, R, RS, RT	'87-'95	YIX30L-BS *	-	53030	-
	Scarabeo 50	'00-'03	-	-	YB4L-B	-		R100CS	'76-'84	YIX30L-BS *	-	53030	-
	Mojito	'04-'05	-	-	YB4L-B	-		S1000RR	'09-'11	YTZ10S	-	-	-
	Rally	'04-'05	-	-	YB4L-B	-		S1000RR DWA	'09-'11	YTZ12S	-	-	-
ATK							900	R90/6, R90S	'69-'76	YIX30L-BS *	-	53030	-
	All Electric Start Models	'91-'95	-	YTX9-BS	-	-	850	R850R	'95-'97	-	-	51913	-
	All Electric Start Models	'96-'01	-	YTX7L-BS	-	-	800	F800ST, GS	'09-'11	YTX14H-BS *	YTX14-BS	-	-
BENELLI								F650GS	'09-'11	YTX14H-BS *	YTX14-BS	-	-
900	900 (6 Cilindri)		YIX30L-BS *	-	53030	-		R80, R80RT	'84-'95	YIX30L-BS *	-	53030	-
650	650 Tornado U.T.		-	-	YB12A-A *	12N12A4A-1		R80GS, R80ST	'80-'96	-	-	51814	-
250	250 (4 Cilindri)		-	-	YB12A-A	-		R80/7, R80RT	'78-'84	YIX30L-BS *	-	53030	-
	250-2C		-	-	-	-	750	K75, RT	'85-'95	YIX30L-BS *	-	53030	-
	125 Cross		-	-	-	6N11A-1B		K75C, S	'85-'95	-	-	51814	-
	125 Custom Guzzi		-	-	-	6N11A-1B		R75/5	'70-'73	-	-	51814	-
	125 Guzzi		-	-	-	12N5.5-4A		R75/7	'76-'84	YIX30L-BS *	-	53030	-
	125 Jarno (c/avv.)		-	-	YB9-B *	12N5.5-4A		R75/6	'69-'76	YIX30L-BS *	-	53030	-
	125 Scooter Benelli		-	-	YB9L-B *	12N9-4B-1		700	R69 - R69S	'55-'69	-	B38-6A	
	125-2 CSE		-	-	-	12N9-3B		650	F650	'93-'00	-	YB12AL-A	
	125CS		-	-	YB9-B	6N11A-1B			R65	'84-'95	YIX30L-BS *	-	53030
	125T Sport		-	-	-	12N9-4B-1			R65LS	'78-'84	-	-	51814
50	Devil 50 (c/avv.)		-	-	YB4L-B	6N11A-1B		600	R60, R60/2 Twin Cylinders	'55-'69	-	-	B38-6A
	KBX 50 Race		-	-	YB4L-B	-			R60/5	'70-'73	-	-	51814
	Scooty LX/DLX		-	-	YB4L-B	-			R60/6, R60/7	'69-'84	YIX30L-BS *	-	53030
BIG DOG							500	R50/2 Twin Cylinders	'55-'69	-	-	-	B38-6A
	All Models	All Years	YTX20HLF ^{FA}	-	-	-		R50/5	'70-'73	-	-	51814	-
BIMOTA								R50/S Twin Cylinders	'55-'69	-	-	-	B38-6A
1100	SB6, SB7	'95-'97	-	YTX7L-BS(x2)	-	-	450	G450	'09-'11	YTZ7S	-	-	-
	SB6R	'97-'99	-	YTX12-BS	-	-	260	R26, R27 Single Cylinder	'55-'69	-	-	-	6N11A-1B
BIMOTA							BSA						
								250, 350, 400, 441, 500 (12V)		-	-	YB7-A *	12N7-4A
								600, 650, 750 (12V)		-	-	YB7-A *	12N7-4A
								250, 350, 650 (6V)		-	-	-	B39-6

* See Battery Upgrade Cross Reference Chart on page 9.

FA Must use Factory Activated battery.

MOTORCYCLE APPLICATIONS



cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	
	500 Gold Star		-	-	-	B38-6A	DUCATI (continued)							
	Rocket 750, Thunderbolt		-	-	YB9L-B *	12N9-3B	1098	Various All other models	'01-'10	-	YT12B-BS	-	-	
	Spitfire HK35, Starfire B25		-	-	YB9L-B *	12N9-3B	1000	Desmosedici RR	'08-'09	-	YT12B-BS	-	-	
BUELL								GT1000, Touring, Sport 1100S	'-09	-	YT12B-BS	-	-	
1200	X1 Lightning	'99-'02	YTX20HL *F/A	YTX20L F/A	-	-	996	996, S, SPS	'99-'00	-	-	YB16AL-A2	-	
	S1 Lightning	'96-'99	YTX14H-BS *	YTX14-BS ###	-	-	944	Suport Touring 2 (ST2)	'97-'00	-	-	YB16AL-A2	-	
	S3, S3T Thunderbolt	'97-'02	YTX20HL-BS *	YTX20L-BS	-	-	916	Biposto, Senna, Strada	'94-'98	-	-	YB16AL-A2	-	
	M2 Cyclone	'97-'02	YTX20HL-BS *	YTX20L-BS	-	-		I.E., SP, SP S	'94-'98	-	-	YB16AL-A2	-	
	S2, S2T Thunderbolt	'94-'96	YTX20H-BS *	YTX20-BS *	YB16-B-CX	-		ST4	'99-'00	-	-	YB16AL-A2	-	
	RR1200	'88-'90	YTX20H-BS *	YTX20-BS *	YB16-B-CX	-	907	I.E. Paso	'90-'94	YTX20H-BS *	YTX20-BS *	YB16-B	-	
	RS1200	'89-'93	YTX20H-BS *	YTX20-BS *	YB16-B-CX	-	906	Paso	'90-'92	YTX20H-BS *	YTX20-BS *	YB16-B	-	
	RSS1200	'91-'93	YTX20H-BS *	YTX20-BS *	YB16-B-CX	-	900	Monster	'94-'00	-	-	YB16AL-A2	-	
	XB12R Firebolt	'04-'10	YTX14H *F/A	YTX14 F/A	-	-		SS Kick-Starter	'-81	-	-	YB12A-A	-	
	XB12Ss, Scg, Lightning	'04-'10	YTX14H *F/A	YTX14 F/A	-	-		SS Replica	'-81	-	-	YB12A-A	-	
	XB12X, XT Ulysses	'06-'10	YTX14H *F/A	YTX14 F/A	-	-		SS Supersport, Replica	'82-	YTX14AHL-BS *	-	YB14L-A2	-	
1125	1125R, 1125CR	'08-'10	-	YTX14L F/A	-	-		SS	'89-'00	-	Not available	-	-	
	Buell Racing 1125RR	'09	YTZ7S	-	-	-		SL	'92-'96	-	-	YB16AL-A2	-	
1000	RR1000	'87	YTX20H-BS *	YTX20-BS *	YB16-B-CX	-		Supersport FE	'97-'98	-	-	YB16AL-A2	-	
984	XB9R Firebolt, XB9SX Lightning	'02-'10	YTX14H *F/A	YTX14 F/A	-	-	888	SP, SP II, SP IV, SP V	'90-'95	-	-	YB16AL-A2	-	
500	Blast	'00-'09	YTX14H-BS *	YTX14-BS	-	-	860	GT, GTS		Y1X30L-BS *	-	53030	-	
CAGIVA								Kick-Start		-	-	YB12A-A	-	
900	Elefant E900		-	-	YB16B-A1	-	851	851 Superbike	'90-'91	-	-	YB16AL-A2	-	
750	Elefant	'94-'97	YTX20H-BS *	YTX20-BS *	YB16-B *	-		S Superbike	'91-'92	-	-	YB16AL-A2	-	
	Elefant Bifaro	'89	YTX14AHL-BS *	-	YB14L-A2	-	848	848	'09-'11	-	YT12B-BS	-	-	
500	T4 E Elefant	'88-	YTX14AHL-BS *	-	YB14L-A2	-	796	Hypermotard	'10-'11	-	YT12B-BS	-	-	
350	Elefant 2 Cyl.	'86-	YTX14AHL-BS *	-	YB14L-A2	-	750	F1, Montjuich, Paso	'87-'90	YTX14AHL-BS *	-	YB14L-A2	-	
	T4 E Elefant, W12	'87-	YTX14AHL-BS *	-	YB14L-A2	-		GT, Luguna Seca		Y1X30L-BS *	-	53030	-	
	T4R	'87-	-	-	YB3L-A	-		Indiana		YTX14AHL-BS *	-	YB14L-A2	-	
125	Crouser	'87-'88	-	-	YB9-B	-		Monster	'97-'00	-	Not available	-	-	
	Freccia C9, /C10R, /C12R	'87-'90	-	-	YB9-B	-		Sport	'89-'90	-	-	YB16AL-A2	-	
	Mito	'90-'97	-	-	YB9-B	-		SS Supersport Kick-Str.		-	-	YB12A-A	-	
	N 90	'97	-	-	YB9-B	-	748	SS	'90-'00	-	-	YB16AL-A2	-	
	Roadster	'94-'97	-	-	YB9-B	-		Strada Biposto, SP, SPS	'97-'00	-	-	YB16AL-A2	-	
	Supercity	'91-'97	-	-	YB9-B	-	696	Monster 696	'09-'11	-	YT12B-BS	-	-	
50	City, Lucky, Explorer	'94-'97	-	YTX4L-BS	-	-	650	Alazurra, Indiana, Pantah		YTX14AHL-BS *	-	YB14L-A2	-	
	K3, W4	'-98	-	-	YB4L-B	-	600	Pantah		YTX14AHL-BS *	-	YB14L-A2	-	
CAN-AM								TL		YTX14AHL-BS *	-	YB14L-A2	-	
990	Spyder	'08-'11	YTX24HL FA	-	-	-	500	GTL, GTV		YTX24HL-BS *	-	Y50-N18L-A	-	
CANNONDALE								Pantah		YTX14AHL-BS	-	-	-	
440	C440, E440, S440, X440, X440S	'02-'03	YTZ7S	-	-	-	500	Sport		YTX24HL-BS *	-	Y50-N18L-A	-	
	EX400, MX400, XC400	'00-'01	YTZ7S *	YTX5L-BS	-	-	EXCELSIOR-HENDERSON							
CCM								1386	Super X	'99-'00	YTX20HL-BS *	YTX20L-BS	-	-
600	All Electric Start Models	'96-'01	-	YTX9-BS	-	-	GAS GAS							
DERBI								450	FSR450	'-08	YTZ7S	-	-	-
DUCATI								370	Pampera	'97	-	YTX4L-BS	-	-
1198	1198 MY08, SP, R	'09-'11	-	YT12B-BS	-	-	320	Pampera	'98-'01	-	YTX4L-BS	-	-	
1200	Multiestrada	'10-'11	-	YT12B-BS	-	-	250	Pampera	'96-'01	-	YTX4L-BS	-	-	
1100	Monster 1100	'09-'11	-	YT12B-BS	-	-	GILERA (See-Scooter)							
	Multiestrada	'09-'11	-	YT12B-BS	-	-	600	Nordvest	'93	YTX14AHL-BS *	-	-	-	
	Hypermotard	'07-'11	-	YT12B-BS	-	-		RC 600C	'93	YTX14AHL-BS *	-	-	-	
	Street Fighter, S	'09-'11	-	YT12B-BS	-	-		Top Rally, XRT		YTX14AHL-BS *	-	-	-	
1098	1098	'07-'09	-	YT12B-BS	-	-	500	Dakota Kick-Start		-	-	-	12N5.5-3B	
	1098	'07	YTX14H-BS *	YTX14-BS	-	-		Dakota E-Starter		-	-	YB10L-A2	-	
							350	Dakota Kick-Start		-	-	-	12N5.5-3B	
								Dakota E-Starter		-	-	YB10L-A2	-	
								ER Kick-Start		-	-	-	12N5.5-3B	
								ER E-Starter		-	-	-	-	
								XRT		YTX14AHL-BS *	-	-	-	
							250	Arizona Rally		-	-	YB10L-B	-	
								RV NGR Kick-Start		-	-	-	12N5.5-3B	
								RV NGR E-Starter		-	-	YB10L-B	-	

Must use adaptor kit available from Buell.

* See Battery Upgrade Cross Reference Chart on page 9.

FA Must use Factory Activated battery.



MOTORCYCLE APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
GILERA (continued)							HARLEY-DAVIDSON (continued)						
200	Arizona	-	-	-	-	12N5.5-3B	1340	FLST Series (Softail)	'91-'96	GYZ20HL *C	YTX20L-BS *C	YB16HL-A-CX	-
	Arizona	-	-	-	YB9-B	-		FXST/FLST Series (Softail)	'84-'90	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B
	Fast Bike	-	-	-	-	12N5.5-3B		FL, FLH Series (Touring)	'80-'96	YTX24HL-BS *	-	Y50-N18L-A-CX	-
200	Fast Bike	-	-	-	YB9-B	-		FL, FLH Series (Touring)	'97-'98	YIX30L-BS *	-	YB30L-B	-
	RTX, RV, RX Kick-Start	-	-	-	-	12N5.5-3B		FL, FLH Series (Touring)	'78-'84	-	-	-	YHD-12H
	RTX, RV, RX E-Starter	-	-	-	YB9-B	-	1250	VRSC V-Rod	'08-'11	GYZ20HL *	YTX20L *F/A	-	-
	T4	-	-	-	-	12N5.5-3B	1200	XL, XLH (Sportster)	'04-'11	-	YTX14L-BS	-	-
	Motocarro	-	-	-	-	12N5.5-3B		XL, XLH (Sportster)	'97-'03	GYZ20HL *	YTX20L-BS	-	-
125	Apache Kick-Start	-	-	-	-	12N5.5-3B		XL, XLH (Sportster)	'87-'96	GYZ20H *	YTX20-BS *	YB16-B-CX	-
	Apache E-Starter	-	-	-	YB9-B	-		FX Series (Electric Start)	'71-'78	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B
	Arizona Kick-Start	-	-	-	-	12N5.5-3B		FX Series (Kick Start)	'71-'72	-	-	YB7-A	12N7-4A
	Arizona E-Starter	-	-	-	YB9-B	-		FL/FLH Series (Touring)	'65-'77	-	-	-	YHD-12H
	Crona Kick-Start	-	-	-	-	12N5.5-3B	1130	VRSC V-Rod	'02-'07	YTX14H *F/A	YTX14 *F/A	-	-
	Crona E-Starter	-	-	-	YB9-B	-	1100	XL Series (Sportster)	'87-'93	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B
	CX Kick-Start	-	-	-	-	12N5.5-3B	1000	XL Series (Sportster)	'79-'85	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B
	CX E-Starter	-	-	-	YB9-B	-		XLCH Series (Sportster Kick Start)	'70-'78	-	-	YB7-A *	12N7-4A
	Fast Bike Kick-Start	-	-	-	-	12N5.5-3B		XLCR Cafe Racer	'77-'78	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B
	Fast Bike E-Starter	-	-	-	YB9-B	-		XLH (Sportster Electric Start)	'67-'78	-	-	-	YHD-12H
	Freestyle Kick-Start	-	-	-	-	12N5.5-3B		XLX-61, XR1000	'83-'85	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B
	Freestyle E-Starter	-	-	-	YB9-B	-	883	XL, XLH (Sportster)	'04-'11	-	YTX14L-BS	-	-
	GFR Kick-Start	-	-	-	-	12N5.5-3B		XL, XLH (Sportster)	'97-'03	GYZ20HL *	YTX20L-BS	-	-
	GFR E-Starter	-	-	-	YB9-B	-		XLH (Sportster)	'86-'96	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B
	KK, KZ Kick-Start	-	-	-	-	12N5.5-3B	500	MT500 (Military)	All Years	YTX14AHL-BS *	-	YB14L-A2	-
	KK, KZ E-Starter	-	-	-	YB9-B	-	350	SS350	All Years	-	-	-	6N11A-1B
	MX1, MXR Kick-Start	-	-	-	-	12N5.5-3B	250	SS250, SX250	'75-'78	-	-	YB7L-B *	12N7-3B
	MX1, MXR E-Starter	-	-	-	YB9-B	-	175	SS175, SX175	'74-'78	-	-	YB7L-B *	12N7-3B
	Nebraska Kick-Start	-	-	-	-	12N5.5-3B	125	SS125, SX125	'74-'78	-	-	YB7L-B *	12N7-3B
	Nebraska E-Starter	-	-	-	YB9-B	-		SXT125	'75-'78	-	-	YB7L-B *	12N7-3B
	R1, R1S Kick-Start	-	-	-	-	12N5.5-3B		TX125	'73-'78	-	-	YB7L-B *	12N7-3B
	R1, R1S E-Starter	-	-	-	YB9-B	-	90	Z90	'73-'76	-	-	YB7L-B *	12N7-3B
	RC Rally	-	-	-	YB10L-B	-	HONDA						
	RTX, RV, RX Kick-Start	-	-	-	-	12N5.5-3B	1800	GL1800 Gold Wing	'09-'11	GYZ20L	-	-	-
	RTX, RV, RX E-Starter	-	-	-	YB9-B	-		GL1800 Gold Wing	'01-'08	GYZ20L *	YTX20L-BS	-	-
	SPO1, SPO2 Kick-Start	-	-	-	-	12N5.5-3B		VTX1800C, F, N, R Retro, S	'02-'11	YTX20HL-BS *	YTX20L-BS	-	-
	SPO1, SPO2 E-Starter	-	-	-	YB9-B	-		NRX1800 Valkyrie Rune	'04-'05	GYZ20L *	YTX20L-BS	-	-
	TOP Rally Kick-Start	-	-	-	-	12N5.5-3B	1500	GL1500 Gold Wing	'88-'00	YTX24HL-BS *	-	Y50-N18L-A3	-
	TOP Rally E-Starter	-	-	-	YB9-B	-		GL1500 Valkyrie	'97-'03	YTX14H-BS *	YTX14-BS	-	-
	Typhoon	-	-	-	YB7-A	-	1300	ST1300, A, P	'03-'11	YTZ14S	-	-	-
	XR1, XR2 Kick-Start	-	-	-	-	12N5.5-3B		VTX1300C, R, S, Retro	'03-'11	YTX14H-BS *	YTX14-BS	-	-
	XR1, XR2 E-Starter	-	-	-	YB9-B	-		VT1300CS, CR, CXA FURY	'09-'11	YTZ14S	-	-	-
50	Bullit, Easy Moving, Runner	'97	-	-	YB4L-B	-	1200	GL1200 Gold Wing	'84-'87	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A
	Eaglet	'95-'97	-	-	YB4L-B	-		VFR1200F	'10-'11	YTZ14S	-	-	-
	GSA E-Starter	-	-	-	YB4L-B	-	1100	CB1100F Super Sport	'83	YTX14AHL-BS *	-	YB14L-A2 *	-
	Runner	'97	-	-	YB4L-B	-		CB1100	'10-'11	YTZ14S	-	-	-
	Sioux E-Starter	-	-	-	YB4L-B	-		CBR1100XX	'01-'04	YTZ12S	-	-	-
	Stalker, Storm, Top Rally	-	-	-	YB4L-B	-		CBR1100XX	'97-'00	-	YTX12-BS	-	-
	Typhoon	'97	-	-	YB4L-B	-		GL1100 Gold Wing	'80-'83	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A
CC (C) HARLEY-DAVIDSON								ST1100, ABS-TCS, 1100A	'91-'02	YTX14H-BS *	YTX14-BS	-	-
1803	CVO FLH (Touring)	'11	YIX30L-BS	-	-	-		VF1100C V65 Magna	'83-'86	YTX20H-BS *	YTX20-BS *	YB18-A	-
(110)	CVO FXD Fat Bob (Dyna)	'10	GYZ20HL *	YTX20L-BS	-	-		VF1100S V65 Sabre	'84-'85	YTX20HL-BS *	YTX20L-BS *	YB18L-A	-
	CVO FLST (Softail)	'11	GYZ20HL *	YTX20L-BS	-	-		VT1100C2 Shadow Sabre	'00-'07	YTX14H-BS *	YTX14-BS	-	-
1690	FLHTK (Touring)	'11	YIX30L-BS	-	-	-		VT1100C, C3, T Shadow (Spirit, Aero, A. C. E. Tourer)	'01-'07	YTX14H-BS *	YTX14-BS	-	-
(103)	FXD Series (Dyna)	'07-'11	GYZ20HL *	YTX20L-BS	-	-		VT1100C, C3 (Spirit, Aero, A. C. E. Tourer)	'98-'00	YTZ14S	-	HYB16A-AB	-
1584	FXST, FLST Series (Softail)	'07-'11	GYZ20HL *	YTX20L-BS	-	-		VT1100C Shadow Spirit	'85-'97	YTZ14S	-	HYB16A-AB	-
(96)	FL, FLH Series (Touring)	'07-'11	YIX30L-BS	-	-	-		VT1100C2 Shadow A. C. E.	'95-'99	YTZ14S	-	HYB16A-AB	-
1450	FXD Series (Dyna)	'99-'06	GYZ20HL *	YTX20L-BS	-	-	1000	CB1000	'94-'95	-	YTX12-BS	-	-
(88)	FXST, FLST Series (Softail)	'00-'06	GYZ20HL *	YTX20L-BS	-	-		CB1000C Custom	'83	YTX14AHL-BS	-	YB14L-A2	-
	FL, FLH Series (Touring)	'00-'06	YIX30L-BS	-	-	-		CB1000R	'09-'11	YTZ10S	-	-	-
	FL, FLH Series (Touring)	'99	YIX30L-BS *	-	YB30L-B	-		CBF1000F	'09-'10	YTZ10S	-	-	-
1340	FXD/FXST Series (Dyna)	'97-'99	GYZ20HL *	YTX20L-BS	-	-		CBR1000F Hurricane	'87-'96	YTX14AHL-BS	-	YB14L-B2	-
(80)	FXD/FXST Series (Dyna)	'91-'96	GYZ20HL *C	YTX20L-BS C	YB16HL-A-CX	-		CBR1000RR	'08-'11	YTZ7S	-	-	-
	FX/FXR Series	'79-'94	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B		CBR1000RR	'04-'07	YTZ10S	-	-	-
	FXR Series	'99-'00	GYZ20H *	YTX20-BS *	YB16-B-CX *	YB16-B		CBX1000 Super Sport	'79-'82	YTX20HL-BS *	YTX20L-BS *	YB18L-A	-
	FLST Series (Softail)	'97-'99	GYZ20HL *	YTX20L-BS	-	-							

* See Battery Upgrade Cross Reference Chart on page 9.

c Requires use of Yuasa Cover/Spacer Kit, see part no. 478651 on the bottom of page 7.

† When ordering this battery, specify sensor.
FA Must use Factory Activated battery.

MOTORCYCLE APPLICATIONS



cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
HONDA (continued)							HONDA (continued)						
1000	CBX1000 Super Sport (Opt)	'82	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	550	CB550 Four, K, SS	'74-'78	-	-	YB12A-A *	12N12A-4A-1
	GL1000 Gold Wing	'75-'79	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A		CB550SC Nighthawk	'83	-	-	YB12AL-A	-
	RVT1000R RC51	'00-'06	YTZ12S	-	-	-	500	CB500 Four, Twin	'71-'76	-	-	YB12A-A	12N12A-4A-1
	VTR1000F Super Hawk	'01-'05	YTZ12S	-	-	-		CX500, C, D, T	'78-'82	YTX14AHL-BS *	-	YB14L-A2	-
	VTR1000F Super Hawk	'97-'00	-	YTX12-BS	-	-		FT500 Ascot	'82-'83	YTX14AHL-BS *	-	YB14L-A2	-
	VF1000R, F	'84-'86	-	-	YB16B-A	-		GB500	'89-'90	-	-	YB12A-B	-
954	CBR954RR	'02-'03	YTZ10S	-	-	-		GL500, I Silver Wing	'81-'82	YTX14AHL-BS *	-	YB14L-A2	-
929	CBR929RR, RE	'00-'01	YTZ10S	-	-	-		VF500C V30 Magna	'84-'85	-	-	YB12A-A	-
919	CB900F (919)	'02-'06	YTZ10S	-	-	-		VF500F Interceptor	'84-'86	-	-	YB12A-A	-
900	CB900C, F	'80-'82	YTX14AHL-BS	-	YB14L-A2	-		VT500C Shadow	'83-'86	-	-	YB12A-A	-
	CBR900R, RR	'93-'99	-	YTX9-BS	-	-		VT500FT Ascot	'83-'84	-	-	YB12A-A	-
800	PC800 Pacific Coast	'89-'98	-	YTX12-BS	-	-		XL500R	'82	-	-	YB3L-A	-
	VFR800, A Interceptor, ABS	'02-'11	YTZ12S	-	-	-		XL500S	'79-'81	-	-	-	6N4-2A-4
	VFR800F1 Interceptor	'98-'01	-	YTX12-BS	-	-	450	CB450, SS	'67-'74	-	-	YB12A-A *	12N12A-4A-1
	VT800C Shadow	'88	YTX14AH-BS *	-	YB14-B2	-		CB450SC Nighthawk, T	'82-'86	-	-	YB12A-A	-
750	CB750 Nighthawk	'91-'03	YTX14AH-BS *	-	YB14-A2	-		CL450 Scrambler	'67-'74	-	-	YB12A-A *	12N12A-4A-1
	CB750A Hondamatic	'76-'78	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A		CM450A Hondamatic, E	'82-'83	-	-	YB12A-A	-
	CB750C Custom	'80-'82	YTX14AHL-BS *	-	YB14L-A2	-		CMX450C Rebel	'86-'87	-	-	YB12A-A	-
	CB750F Super Sport	'75-'82	YTX14AHL-BS *	-	YB14L-A2	-		CRF450X	'05-'09	YTX7S	-	-	-
	CB750K Four	'69-'82	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	400	CB400A	'78	-	-	YB12A-A	-
	CB750K Limited Edition	'79	YTX14AHL-BS *	-	YB14L-A2	-		CB400F CB-1	'89-'90	-	YTX9-BS	-	-
	CB750SC Nighthawk	'82-'83	YTX14AHL-BS *	-	YB14L-A2	-		CB400F Super Sport	'75-'77	-	-	YB12A-A *	12N12A-4A-1
	RVF750R (RC45)	'94	-	YTX9-BS	-	-		CB400T Hawk, Hawk II	'78-'81	-	-	YB12A-A	-
	VF750C V45 Magna	'88	-	-	YB12A-A	-		CB400TI Hawk I	'78-'79	-	-	YB9-B *	12N9-4B-1
	VF750C V45 Magna	'82-'83	YTX14AH-BS *	-	YB14-A2	-		CM400 (All)	'79-'81	-	-	YB12A-A	-
	VF750C, C2, D Magna	'94-'03	-	YTX12-BS	-	-	360	CB360, G, T	'74-'76	-	-	YB12A-A *	12N12A-4A-1
	VF750F V45 Interceptor	'83-'84	YTX14AH-BS *	-	YB14-A2	-		CL360T	'76-'77	-	-	YB9-B *	12N9-4B-1
	VF750S V45 Sabre	'82-'83	-	-	YB14L-A2 w/s †	-		CL360 Scrambler	'74-'75	-	-	YB12A-A *	12N12A-4A-1
	VFR750F Interceptor	'86	-	-	YB12A-B	-	350	CB350 Super Sport Four	'68-'74	-	-	YB12A-A *	12N12A-4A-1
	VFR750F	'90-'97	-	YTX12-BS	-	-		CL350 Scrambler	'68-'73	-	-	YB12A-A *	12N12A-4A-1
	VFR750R (RC30)	'90	-	YTX9-BS	-	-		SL350 Motosport	'70-'73	-	-	12N5-4B	-
	VT750C, CA, C2	'04-'08	YTZ12S	-	-	-		SL350 Motosport	'69-'70	-	-	YB12A-A *	12N12A-4A-1
	VT750C Shadow	'98-'00	YTX14H-BS *	YTX14-BS	-	-		XL350	'74-'78	-	-	-	6N6-3B
	VT750CD, CD2 Shadow Deluxe	'98-'02	YTX14H-BS *	YTX14-BS	-	-		XL350R	'84-'85	-	-	YB3L-A	-
	VT750CDA, B, C, D Shadow	-	-	-	-	-	305	CA77 Dream Touring (late)	'63-'69	-	-	-	12N9-3A
	A.C.E. Deluxe	'02-'03	YTX14H-BS *	YTX14-BS	-	-		CB77 Super Hawk	'61-'68	-	-	-	12N9-3A
	VT750C Shadow	'83	-	-	HYB16A-AB	-		CL77 Scrambler	'65-'68	-	-	-	12N5-4B
	VT750C, CA, C2 Shadow Spirit, Aero	'07-'09	YTZ12S	-	-	-	250	CA72 Dream Touring (late)	'63-'66	-	-	-	12N9-3A
	VT750DC, A, B Shadow Spirit	'01-'07	YTZ14S	-	-	-		CB250 Nighthawk	'91-'09	-	YTX7L-BS	-	-
	VT750RS, C2B	'10-'11	YTZ14S	-	-	-		CB72 Hawk	'61-'66	-	-	-	12N9-3A
700	CB700SC Nighthawk 'S'	'87	-	-	YB14L-A1	-		CBR250R	'11	-	YTX7L-BS	-	-
	VF700C Magna	'87	-	-	YB12A-A	-		CL72 Scrambler	'62-'65	-	-	-	12N5-4B
	VF700C Magna	'84-'86	YTX14AH-BS *	-	YB14-A2	-		CM250C Custom	'82-'83	-	-	YB9-B	-
	VF700F Interceptor	'84-'85	YTX14AH-BS *	-	YB14-A2	-		CMX250C Rebel	'96-'11	-	YTX7L-BS	-	-
	VF700S Sabre	'84-'85	YTX14AHL-BS *	-	YB14L-A2	-		CMX250C Rebel, LTD	'85-'87	-	-	YB9L-B	-
	VFR700 Interceptor	'86-'87	-	-	YB12A-B	-		CRF250X	'04-'09	YTX7S *	YTX5L-BS	-	-
	VT700C Shadow	'86-'87	YTX14AH-BS *	-	YB14-B2	-		MT250 Elsinore	'74-'76	-	-	-	6N6-3B
	VT700C Shadow	'84-'85	-	-	HYB16A-AB	-		NX250	'88-'90	-	YTX7L-BS	-	-
	NT700V	'10-'11	YTZ14S	-	-	-		SM250	'09-'11	YTX7S	-	-	-
680	DN-01	'09-'11	YTZ14S	-	-	-		VTR250 Interceptor VTR	'88-'90	-	-	YB9-B	-
650	CB650, Custom	'79-'82	-	-	YB12A-A	-		XL250	'72-'76	-	-	-	6N6-3B
	CB650SC Nighthawk	'83-'85	-	-	YB12AL-A	-		XL250R	'82-'87	-	-	YB3L-A	-
	CB650SC Nighthawk	'82	-	-	YB12A-A	-		XL250S	'78-'81	-	-	-	6N4-2A-4
	CX650C Custom	'83	YTX14AH-BS *	-	YB14-A2	-		XR250L	'91-'96	-	YTX4L-BS	-	-
	CX650T Turbo	'83	YTX14AHL-BS *	-	YB14L-A2	-	230	CRF230L	'08-'10	YTX7S	-	-	-
	GL650I Silver Wing Interstate	'83	YTX14AHL-BS *	-	YB14L-A2	-		CRF230F, L ('07)	'03-'10	YTX7S *	YTX5L-BS	-	-
	NT650 Hawk GT	'88-'91	-	YTX9-BS	-	-	200	CB200, T	'74-'76	-	-	YB9-B *	12N9-4B-1
	NT650V	-	-	YTX9-BS	-	-		CL200 Scrambler	'74	-	-	YB9-B *	12N9-4B-1
	NX650	'88-'89	-	YTX9-BS	-	-		CM200T Twinstar	'81-'82	-	-	YB9-B *	12N9-4B-1
	SLR650	-	-	YTX9-BS	-	-		CM200T Twinstar	'80	-	-	-	6N12A-2C
	Vigor 650	-	-	YTX9-BS	-	-		TLR200 Reflex	'86-'87	-	YTX4L-BS	-	-
	XR650L	'93-'10	-	YTX9-BS	-	-		TR200 Fat Cat	'87	-	YTX7A-BS	-	-
600	CB600F (599)	'04-'06	-	YTX7L-BS	-	-		TR200 Fat Cat	'86	-	YTX9-BS	-	-
	CBR600	'87-'00	-	YTX9-BS	-	-		XL200R	'83-'84	-	-	YB3L-A	-
	CBR600F4i, 600RR	'01-'11	YTZ10S	-	-	-	185	CM185T Twinstar	'78-'79	-	-	-	6N12A-2C
	VT600C, CD Shadow Deluxe	'04-'07	YTZ10S	-	-	-		XL185S	'79-'83	-	-	-	6N4-2A-4
	VT600C, CD Shadow Deluxe, VLX	'88-'03	-	YTX9-BS	-	-	175	CA175 Touring (CD175)	'68-'69	-	-	-	B54-6
	XL600R	'83-'87	-	-	YB3L-A	-		CA175 Touring (CD175K3)	'69-'70	-	-	-	6N12A-2D
	XL600V Transalp	'89-'90	-	-	YB12A-B	-		CB175 Super Sport	'69-'73	-	-	YB9-B *	12N9-4B-1

* See Battery Upgrade Cross Reference Chart on page 9.



MOTORCYCLE APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
HONDA (continued)							HUSABERG						
175	CL175 Scrambler	'68-'73	-	-	YB9-B *	12N9-4B-1	All FE, FX, FS	'09-'10	YTZ7S	-	-	-	-
	SL175 Motosport	'70-'72	-	-	-	12N5-4B	All Electric Start Models	'01-'02	YTZ7S *	YTX5L-BS	-	-	-
	XL175	'73-'78	-	-	-	6N6-3B	All Electric Start Models	'97-'00	-	YTX9-BS	-	-	-
160	CB160 Sport	'65-'69	-	-	YB9-B *	12N9-4B-1	HUSQVARNA						
	CL160 Scrambler	'66-'68	-	-	YB9-B *	12N9-4B-1	580 TE610E, SM610S	'00-'01	YTX14H-BS *	YTX14-BS	-	-	-
150	CRF150F	'06-'07	YTZ7S *	YTX5L-BS	-	6N6-3B-1	450 TE450/TC450	-	YTZ7S	-	-	-	-
125	CB125S	'81-'82	-	-	-	6N6-3B	400 TE410E	'00-'01	YTX14H-BS *	YTX14-BS	-	-	-
	CB125S	'73-'80	-	-	-	B54-6	HYOSUNG						
	CL125A Scrambler (Twin)	'67-'69	-	-	-	6N4C-1B	700 ST7	'10-'11	-	YT14B-BS	-	-	-
	CL125S Scrambler	'73-'75	-	-	-	6N4C-1B	650 GT650, R, S	'09-'11	YTX14H-BS *	YTX14-BS	-	-	-
	CT125 Trail	'77	-	-	-	6N6-3B	GV650, SE	'09-'11	-	YT14B-BS	-	-	-
	MT125 Elsinore	'74-'76	-	-	-	6N6-3B	250 GT250, R	'09-'11	YTX14H-BS *	YTX14-BS	-	-	-
	NX125	'88-'90	-	YTX7L-BS	-	6N4-2A-4	GV250	'09-'11	-	YTX9-BS	-	-	-
	SL125 Motosport	'71-'73	-	-	-	6N4-2A-4	INDIAN						
	SS125A Super Sport	'67-'69	-	-	-	6N4-2A-8	1638 1638 Chief	'02-'03	YTX24HL-BS	-	-	-	-
	XL125	'74-'78	-	-	-	6N4-2A-8	1442 1442 Scout, Spirit	'02-'03	YTX20H-BS *	YTX20-BS	-	-	-
	XL125S	'79-'84	-	-	YB2.5L-C	-	All Models	'99-'01	YTX20H-BS *	YTX20-BS	-	-	-
110	CT110 Trail	'86	-	-	-	6N6-3B	KAWASAKI						
	CT110 Trail	'80-'84	-	-	-	6N6-3B	2000 VN2000-A Vulcan	'04-'11	YTX20CH-BS *	YTX16-BS	-	-	-
	C110	'09-'10	YTZ7S	-	-	6N6-3B	1700 VN1700 Voyager, Nomad, Vaquero	'09-'11	YTX20CH-BS *	YTX16-BS	-	-	-
100	CB100 Super Sport	'70-'72	-	-	-	6N6-3B	1600 VN1600-A Vulcan Classic, D, Nomad	'03-'09	YTX20CH-BS *	YTX16-BS	-	-	-
	CL100, S Scrambler	'70-'73	-	-	-	6N6-3B	VN1600-B Vulcan Mean Streak	'04-'09	YTX20CH-BS *	YTX16-BS	-	-	-
	SL100 Motosport	'70-'73	-	-	-	6N4C-1B	1500 VN1500 Vulcan 88, SE	'87-'98	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	-
	XL100	'77-'78	-	-	-	6N4-2A-4	VN1500-C Vulcan L	'96-'97	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	-
	XL100S	'83-'85	-	-	-	6N4-2A-4	VN1500-G, J, L, R	'99-'05	YTX20CH-BS *	YTX16-BS	-	-	-
	XL100S	'81-'82	-	-	-	6N5-5-1D	Vulcan Nomad, Drifter	'96-'09	YTX20CH-BS *	YTX16-BS	-	-	-
90	CA200 Honda 90 (C200 Touring 90)	'63-'66	-	-	-	6N5-5-1D	VN1500-D, E, N Vulcan Classic	'02-'03	YTX20CH-BS *	YTX16-BS	-	-	-
	CL90, L 5HP Scrambler	'67-'70	-	-	-	6N6-1B	VN1500-P Vulcan Mean Streak	'06-'11	YTX14H-BS *	YTX14-BS	-	-	-
	CM91 Honda 90 (C90M)	'66-'69	-	-	-	6N5-5-1D	1400 Ninja ZX-14	'08-'11	YTX14H-BS *	YTX14-BS	-	-	-
	CT200 Trail 90	'64-'66	-	-	-	6N6-1B	ZG1400 Concours	'79-'82	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	-
	CT90 Trail	'66-'79	-	-	-	6N5-5-1D	1300 KZ1300 Touring	'83-'88	-	-	-	-	-
	EZ90 Cub	'91-'96	-	YTX5L-BS	-	6N4-2A-8	ZN1300-A Voyager	'86-'03	YTX24HL-BS *	-	SY50-N18L-AT	-	-
	S90 Super (CS90)	'64-'69	-	-	-	6N4C-1B	Ninja ZX-12R	'00-'05	YTX14H-BS *	YTX14-BS	-	-	-
	SL90 Motosport	'69	-	-	-	6N4C-1B	ZZR1200	'02-'05	YTX20HL-BS *	YTX20L-BS *	YB18L-A	-	-
	ST90 Trail Sport	'73-'75	-	-	-	6N11-2D	1100 KZ1100-A, LTD	'82	-	-	SYB16L-B	-	-
80	XL80S	'83-'85	-	-	-	6N11-2D	KZ1100-B GP	'81	YTX20HL-BS *	YTX20L-BS *	YB16L-B	-	-
	XL80S	'80-'82	-	-	-	6N5-5-1D-1	ZN1100-B LTD	'84-'85	YTX14HL-BS *	-	YB16L-B	-	-
75	XL75	'77-'79	-	-	-	6N4-2A-6	ZR1100	'92-'95	YTX20CH-BS *	YTX16-BS	YB14L-A2	-	-
70	C70 Passport	'82-'83	-	-	YB5L-B	6N4C-1B	ZRX1100	'99-'00	YTX14H-BS *	YTX14-BS	-	-	-
	C70 Passport	'80-'81	-	-	6YB11-2D *	6N2A-2C	ZX1100-A GPz	'83-'84	-	-	SYB16L-B	-	-
	C70M Honda	'70-'73	-	-	6YB11-2D *	6N2A-2C-3	ZX1100-C Ninja ZX-11	'90-'93	YTX14HL-BS *	-	YB14L-A2	-	-
	CL70 Scrambler	'69-'73	-	-	-	6N2A-2C-3	ZX1100-D Ninja ZX-11 (CN)	'93-'94	YTX14H-BS *	YTX14-BS	-	-	-
	CT70	'91-'94	-	YTX4L-BS	-	6N2A-2C	ZX1100-G Ninja ZX-11	'95-'01	YTX14H-BS *	YTX14-BS	-	-	-
	CT70 Trail	'80-'82	-	-	-	6N4C-1B	ZX1100-E (GPz1100), ABS	'95-'97	YTX14H-BS *	YTX14-BS	-	-	-
	CT70 Trail	'74-'79	-	-	-	6N2-2A	1000 KZ1000-P Police	'02-'03/'05	YTX20HL-BS *	YTX20L-BS *	YB18L-A	-	-
	CT70 Trail, 70H	'69-'71	-	-	-	6N2-2A	KZ1000-P Police	'82-'01	YTX20HL-BS *	YTX20L-BS *	YB16L-B	-	-
	CT70, 70H	'72-'73	-	-	-	6N2-2A	KZ1000-C Police	'80-'81	YTX20HL-BS *	YTX20L-BS *	YB14L-A2	-	-
	SL70 Motosport	'73	-	-	-	6N2A-2C-3	KZ1000-C Police, Z1-R	'78-'79	YTX14HL-BS *	-	YB14L-A2	-	-
	SL70 Motosport	'71-'72	-	-	-	6N4-2A-6	KZ1000, LTD	'77-'80	YTX14HL-BS *	-	YB14L-A2	-	-
	XL70	'74-'76	-	-	-	6N2-2A	KZ1000-E ST, Shaft	'79-'80	YTX20HL-BS *	YTX20L-BS *	YB16L-B	-	-
65	S65 Sport (CS65)	'65-'69	-	-	-	6N2A-2C	KZ1000-G Classic	'80	YTX14HL-BS *	-	YB14L-A2	-	-
55	C, CA105T Trail	'62-'65	-	-	-	6N4-2A-6	KZ1000, LTD, CSR	'81-'83	YTX20HL-BS *	YTX20L-BS *	YB18L-A	-	-
50	C110, CA110	'59-'69	-	-	-	6N2-2A	KZ1000-R Replica	'82-'83	YTX20HL-BS *	YTX20L-BS *	YB18L-A	-	-
	MB5	'82	-	-	YB2.5L-C	6N2A-2C-3	Z1000	'03-'11	-	YTX9-BS	-	-	-
	NA50 Express II	'80-'81	-	-	-	6N2A-2C-3	ZG1000-A Concours	'86-'06	YTX20HL-BS *	YTX20L-BS *	YB18L-A	-	-
	NA50 Express II	'79	-	-	YB3L-A	-	ZL1000-A	'87	YTX14HL-BS *	-	YB14L-A2	-	-
	NC50 Express	'80-'83	-	-	YB4L-B	-	ZX10R	'86-'90	YTX14HL-BS *	-	YB14L-A2	-	-
	NC50 Express	'78-'79	-	-	YB4L-B	-	ZX10R	'11	YTZ7S	-	-	-	-
	NC50 Express	'77	-	-	-	6N2A-2C-1	ZX1000-A Ninja 1000R, GPZ1000RX	'86-'87	YTX14HL-BS *	-	YB14L-A2	-	-
	NS50F	'90	-	-	-	-	ZX1000-B Ninja ZX10	'88-'89	YTX14HL-BS *	-	YB14L-A2	-	-
	NU50 Urban Express	'82-'83	-	-	-	-	-	-	-	-	-	-	-
	NU50M Urban Express Deluxe	'82-'83	-	-	-	-	-	-	-	-	-	-	-
	NX50M Express SR	'81-'82	-	-	-	-	-	-	-	-	-	-	-
	Z50A (K1)	'69-'70	-	-	-	-	-	-	-	-	-	-	-
	ZB50	'88	-	YTX4L-BS	-	-	-	-	-	-	-	-	-

* See Battery Upgrade Cross Reference Chart on page 9.

MOTORCYCLE APPLICATIONS



cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
1000	ZX1000-C Ninja ZX-10R	'04-'10	-	YT12B-BS	-	-	KAWASAKI (continued)						
900	KZ900, LTD	'76-'77	-	-	YB10L-A2	-	400	KH400-A	'76-'78	-	-	-	12N5.5-4A
	Vulcan 900 Classic	'06-'11	-	YTX12-BS	-	-		KLX400R, KLX400SR	'03	-	YT7B-BS	-	-
	Z900 (Z1 Series)	'72-'76	YTX14AHL-BS *	-	YB14L-A2	12N14-3A		KZ400 Deluxe	'77-'79	-	-	YB12A-A *	12N12A-4A-1
	ZL900-A Eliminator	'85-'86	YTX14AHL-BS *	-	YB14L-A2	-		KZ400-C	'78	-	-	-	12N5.5-4A
	Ninja GP2900R ZX900A1-A16	'84-'03	YTX14AHL-BS *	-	YB14L-A2	-		KZ400-D, H	'74-'79	-	-	YB12A-A *	12N12A-4A-1
	ZX900-B Ninja (ZX-9R)	'94-'97	-	YTX12-BS	-	-		KZ400-aS	'75-'77	-	-	-	12N5.5-4A
	ZX900-C Ninja (ZX-9R)	'98-'99	-	YTX9-BS	-	-		S3 Series	'74-'75	-	-	-	12N5.5-4A
	ZX900-E, F Ninja (ZX-9R)	'00-'03	-	YTX9-BS	-	-	350	A7 Series	'66-'71	-	-	YB9-B *	12N9-4B-1
800	VN800-A, B, E Vulcan, Classic, Drifter	'04-'06	-	YTX12-BS	-	-		F5 Series	'70-'71	-	-	-	6N2-2A-3
	VN800-A, B, C, E Vulcan, Classic, Drifter	'95-'03	YTX14H-BS *	YTX14-BS	-	-		F9 Series	'73-'75	-	-	-	6N4B-2A-3
750	H2 Series	'72-'75	-	-	-	12N5.5-4A		F9 Series	'72	-	-	-	6N2-2A-3
	KZ750, LTD, CSR	'76-'79	-	-	SYB14L-A2	-	305	S2 Series	'72-'73	-	-	-	12N5.5-4A
	KZ750-E, H, L LTD	'80-'83	-	-	YB12A-A	-		EX305-B GP	'83	-	-	YB9L-A2	-
	KZ750-F LTD, Spectre	'83	YTX14AHL-BS *	-	YB14L-A2	-	250	KZ305 CSR, LTD	'81-'88	-	-	YB10L-A2	-
	KZ750-L Ninja	'93	-	YTX9-BS	-	-		EX250, Ninja 250R	'08	-	YTX7A-BS	-	-
	KZ750-R GP	'92	-	-	-	-		EX250, Ninja 250R	'09-'11	-	YTX9-BS	-	-
	VN750-A Vulcan	'86-'06	YTX14AHL-BS *	-	YB12A-A w/s †	-		A1 Series	'66-'71	-	-	YB9-B *	12N9-4B-1
	ZN750-A LTD	'84-'85	YTX14AHL-BS *	-	YB14L-A2	-		EL250, HS	'88-'93	-	-	YB9L-A2	-
	ZR-7, S	'00-'03	-	YTX12-BS	-	-		EX250 Ninja	'95-'07	-	YTX7L-BS	-	-
	ZR750 (Z750S)	'05-'06	-	YTX9-BS	-	-		EX250 Ninja	'86-'94	-	-	YB9L-A2	-
	ZR750-C Zephyr	'91-'94	-	YTX12-BS	-	-		F4 Series	'69-'70	-	-	-	12N5.5-4A
	ZX750-E Turbo, GPz	'83-'85	-	-	SYB14L-A2	-		F8 Series	'71-'72	-	-	-	6N2-2A-3
	ZX750-F Ninja	'87-'90	YTX14AHL-BS *	-	YB14L-A2	-		F11 Series	'73-'75	-	-	-	6N4B-2A-3
	ZX750-H Ninja ZX-7	'90	-	-	YB12AL-A2	-		KE250-B	'77-'79	-	-	-	6N6-1D-2
	ZX750-H Ninja ZX-7	'89	YTX14AHL-BS *	-	YB14L-A2	-		KH250-A	'76	-	-	-	12N5.5-4A
	ZX750-J Ninja ZX-7	'91-'95	-	YTX12-BS	-	-		KL250 Super Sherpa	'00-'10	-	YTX7L-BS	-	-
	ZX750 Ninja ZX, 7RR	'91-'97	-	YTX9-BS	-	-		KL250	'78-'84	-	-	-	6N6-1D-2
	ZX750-P Ninja ZX-7R	'96-'03	-	YTX12-BS	-	-		KL250-D KLR	'85-'05	-	-	YB4L-A	-
	Z750 (EU)	'09-'11	-	YTX9-BS	-	-		KLX250S, SF	'06-'11	-	YTX7L-BS	-	-
700	KZ700-A	'84	-	-	YB12A-A	-		KZ250 CSR, LTD	'80-'83	-	-	YB10L-A2 *	12N10-3A-2
	VN700-A Vulcan	'85	YTX14AHL-BS *	-	YB14L-A2	-		S1 Series	'73-'75	-	-	-	12N5.5-4A
	ZN700-A LTD	'84-'85	YTX14AHL-BS *	-	YB14L-A2	-	200	KZ200-A	'78-'79	-	-	YB10L-B	-
650	ER6n	'09-'11	-	YTX12-BS	-	-	175	F7 Series	'71-'75	-	-	-	6N4-2A-5
	KL650-A, E, KLR	'98-'11	YTX14AHL-BS *	-	YB14L-A2	-		KE175-B	'76-'78	-	-	-	6N6-1D-2
	KL650-B Tengai	'90-'91	YTX14AHL-BS *	-	YB14L-A2	-	125	BN125 Eliminator	'01-'10	-	-	YB9-B	-
	KL650 Versys	'08-'11	-	YTX12-BS	-	-		F6 Series	'71-'73	-	-	-	6N4-2A-5
	KLX650C, R	'93-'96	-	YTX9-BS	-	-		KE125-A	'76-'83	-	-	-	6N6-1D-2
	KZ650 SR, LTD, Custom	'77-'80	-	-	YB10L-A2 *	12N10-3A-2	120	K125 Series	'74-'75	-	-	-	6N6-1D-2
	KZ650-H CSR	'81-'83	-	-	YB12A-A	-		C2SS RoadRunner	'67-'69	-	-	-	6N4-2A-3
	Ninja 650R	'06-'11	-	YTX12-BS	-	-		C2TR RoadRunner	'67-'69	-	-	-	6N4-2A-3
	W Series	'66-'70	-	-	YB7L-B *	12N7-3B	100	G3SS Series	'75	-	-	-	6N4-2A-5
	W650	'00-'02	YTX14H-BS *	YTX14-BS	-	-		G3TR Series	'71	-	-	-	6N4-2A-3 ††
636	ZX636-B, C Ninja ZX-6R	'03-'06	-	YTX9-BS	-	-		G4TR Series	'73-'75	-	-	-	6N4-2A-5
600	KL600-A KLR	'84	-	-	YB4L-A	-		G4TR Series	'70-'72	-	-	-	6N2-2A-3
	KL600-B KLR	'85-'86	YTX14AHL-BS *	-	YB14L-A2	-		G5 Series	'74-'75	-	-	-	6N4-2A-5
	ZL600 (All)	'86-'97	-	-	YB12A-A	-		G5 Series	'72-'73	-	-	-	6N4-2A-3
	ZX600-A, B, C, D Ninja	'85-'96	-	-	YB12A-A	-		KE100-A	'79-'81	-	-	-	6N6-1D-2
	ZX600-FA Ninja ZX-6R	'08-'11	-	YTX9-BS	-	-		KE100-A	'76-'78	-	-	-	6N4-2A-5
	ZX600-E, F Ninja ZX-6, 6R	'93-'02	-	YTX12-BS	-	-		KE100-B	'82-'01	-	-	-	6N6-1D-2
	ZX600-G, J Ninja ZX-6R	'98-'08	-	YTX9-BS	-	-		KH100-B	'76-'77	-	-	-	6N4-2A-5
	ZX600-K, M, N Ninja ZX-6RR	'03-'06	-	YTX9-BS	-	-		KM100-A	'79-'81	-	-	-	6N6-1D-2
	ZZR600	'05-'08	-	YTX9-BS	-	-		KM100-A	'76-'78	-	-	-	6N4-2A-5
	ZZR600	'02-'04	-	YTX12-BS	-	-		KV100-A	'76	-	-	-	6N4-2A-5
550	KZ550, LTD, GP	'80-'83	-	-	YB12A-A	-	90	G3SS Series	'73-'74	-	-	-	6N4-2A-5
	KZ550-F LTD	'84	-	-	YB12A-A **	-		G3SS Series	'69-'72	-	-	-	6N4-2A-3 ††
	KZ550-F Spectre	'83	-	-	YB12A-A **	-		G3TR Series	'69-'70	-	-	-	6N4-2A-3 ††
	KZ550-H GP	'82-'83	-	-	YB12A-A †	-		MC1 Series	'73-'75	-	-	-	6N4-2A-5
	ZR550-B Zephyr	'90-'92	-	-	YB12A-A	-	KTM						
	ZX550-A GPz	'84-'86	-	-	YB12A-A †	-	1090	RC8	'09-'11	YTZ14S	-	-	-
500	EN500-A Vulcan	'90-'96	-	-	YB12A-A	-	990	Super Duke	'03-'11	YTZ14S	-	-	-
	EN500-C Vulcan LTD	'96-'10	-	-	YB12AL-A2	-		Supermoto	'09-'11	YTZ14S	-	-	-
	EX500-A	'87-'93	YTX14AHL-BS *	-	YB14L-A2	-		Adventure	'03-'11	YTZ14S	-	-	-
	EX500-D Ninja 500	'94-'10	YTX14AHL-BS *	-	YB14L-A2	-		Superenduro	'09-'11	YTZ14S	-	-	-
	H1 Series	'73-'75	-	-	YB9L-B *	12N9-3B	950	Duke	'09-'11	YTZ10S	-	-	-
	H1 Series	'69-'72	-	-	YB9-B *	12N9-4B-1	690	Supermoto	'09-'11	YTZ10S	-	-	-
	KH500-A	'76	-	-	YB9L-B *	12N9-3B		Enduro R	'09-'11	YTZ10S	-	-	-
450	EN450-A 454 LTD	'85-'90	-	-	YB12A-A	-	640	Adventurer, Duke,	'09-'11	-	-	-	-
	KLX450R	'08-'10	YTZ7S	-	-	-							
440	KZ440 (All)	'80-'83	-	-	YB12A-A	-							

* See Battery Upgrade Cross Reference Chart on page 9.

** When ordering this battery, specify terminal adaptor.

† When ordering this battery, specify sensor.

21 †† G3SS and G3TR models having the engine production #235611 and above, use a 6N4-2A-5 battery.



MOTORCYCLE APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
640	RXC LC4 Super Moto	'99-'02	-	YTX9-BS	-	-	500	Falcone		-	-	-	B38-6A
625	Duke II, LC4, Adventure	'03-'08	YTZ10S	-	-	-	500	Falcone u.t.		YTX20HL-BS *	YTX20L-BS *	YB18L-A	-
620	SMC, SXC	'03-'09	YTZ10S	-	-	-	V50			YIX30L-BS *	-	53030	-
530	Adventure, Duke, LC4	'96-'98	-	YTX9-BS	-	-	MuZ						
525	EXC, Racing	'03-'05	YTZ5S	-	-	-	660	Skorpion	'95-'01	-	-	YB9L-A2	-
400	EXC, Racing	'05-'11	YTZ7S *	YTX5L-BS	-	-	125	All Models	All Years	-	-	YB9L-A2	-
400	XC-W	'09-'11	YTZ7S *	YTX5L-BS	-	-	MV AGUSTA						
520	EXC Racing	'03	YTZ5S	-	-	-	1000	F4	'05-'10	YTZ10S	-	-	-
520	MX Desert Racing	'03	YTZ7S *	YTX5L-BS	-	-		Brutale 1078RR	'09-'10	YTZ10S	-	-	-
520	MXC Racing	'03	YTZ7S *	YTX5L-BS	-	-	910	Brutale	'06-'09	YTZ10S	-	-	-
450	E/XC, M/XC Racing 4-Stroke	'00-'02	-	YTX4L-BS	-	-	750	F4, Brutale	'00-'08	YTZ10S	-	-	-
450	EXC, M/XC Racing 4-Stroke (Opt)	'00-'02	YTZ7S *	YTX5L-BS	-	-	NORTON						
450	EXC Racing	'03-'05	YTZ5S	-	-	-	850	Commando, Commando (75)		YTX14HL-BS *	-	YB14L-A2	-
400	EXC Racing	'05-'09	YTZ5S *	YTX5L-BS	-	-	750	Ranger Commando		-	-	YB9-B*	12N9-4B-1
400	EXC Racing	'03-'05	YTZ5S	-	-	-	350	Navigator		-	-	-	6N11A-1B
400	XC-W	'09-'10	YTZ7S *	YTX5L-BS	-	-	PIAGGIO (See-Scooter)						
400	E/XC Racing 4-Stroke	'00-'02	-	YTX4L-BS	-	-	APE CAR, MP, MPR, P602			YIX30L-BS *	-	53030	-
400	E/XC Racing 4-Stroke (Opt)	'00-'02	YTZ7S *	YTX5L-BS	-	-	Ape 50 FL	'93		-	-	YB9-B	-
300	LC4 E/XC	'96-'98	-	YTX9-BS	-	-	Boxer, Bravo, Ciao			-	-	-	B39-6
300	RXC LC4	'96-'01	-	YTX9-BS	-	-	Cosa 2			-	-	YB7-A	-
250	XC, XC-W	'11	-	YTX4L-BS	-	-	Cosa CLX 125 (c/avv.)			-	-	YB7-A	-
250	EXC, Racing	'05-'10	YTZ7S *	YTX5L-BS	-	-	Cosa CLX 150 (c/avv.)			-	-	YB7-A	-
250	EXC, Racing	'03-'05	YTZ5S	-	-	-	Cosa CLX 200 (c/avv.)			-	-	YB7-A	-
250	EXF	'05-'10	YTZ7S *	YTX5L-BS	-	-	Free			-	-	YB4L-B	-
250	XC, XC-W	'11	-	YTX4L-BS	-	-	Hexagon 125/150			-	-	YB9-B	-
250	XGF	'11	YTZ7S *	YTX5L-BS	-	-	NRG 50			-	-	YB4L-B	-
KYMCO													
250	Vemox250	'09-'10	-	YTX9-BS	-	-	P125ETES, P125TS			-	-	YB7-A *	12N7-4A
MOTO GUZZI													
1200	Norge	'09-'11	YTX20CH-BS	-	-	-	P200E (c/avv.)			-	-	YB9-B	-
1200	Sport, ABS	'09-'10	YTX20CH-BS	-	-	-	PK50, PK50-C.A., PK50N, PK50XL			-	-	YB7-A *	12N7-4A
1200	Breva 1200	'09-'10	YTX20CH-BS	-	-	-	PK80S-C.A.			-	-	YB7-A *	12N7-4A
1200	Stelvio	'09-'11	YTX20CH-BS	-	-	-	PK125FL, PK125SS, PK125XL			-	-	YB7-A *	12N7-4A
1100	1200 Sport	'09-'11	YTX20CH-BS	-	-	-	PX125			-	-	YB9-B	-
1100	1100 California (CA only)	'03-'05	-	YTX15L-BS	-	-	PX125+80E			-	-	-	12N5.5-3B
1100	1100 California, Special, Jackal,						PX125+80E-AREC			-	-	-	12N5.5-3B
1064	Breva, Griso	'05-'11	YTX20CH-BS	-	-	-	PX125-80E-ARC			-	-	YB9-B	-
1000	Stone, EV	'94-'05	YIX30L-BS *	-	53030	-	PX125T5			-	-	YB9-B	-
1000	Quota 1100 ES	'99-'02	-	YTX15L FA	-	-	PX150E			-	-	YB9-B	-
1000	Sport 1100i	'97-'99	-	YTX15L-BS	-	-	PX150E-ARC			-	-	YB9-B	-
1000	V11 Bassa	'99-'00	YIX30L-BS *	-	53030	-	PX200-ARC			-	-	YB9-B	-
1000	V11 EV	'98-'99	YIX30L-BS *	-	53030	-	PX200E-ARC			-	-	YB9-B	-
1000	V11 Le Mans, Sport	'99-'05	-	YTX15L FA	-	-	PX200GS			-	-	YB9-B	-
1064	California Classic, Vintage	'11	YTX20HL-BS *	YTX20L-BS	-	-	Quartz, Sactto, Sfera 50, Sfera 80,			-	-	YB4L-B	-
1000	California III	'89-'93	YIX30L-BS *	-	53030	-	Skipper 125/150			-	-	-	6N11A-1B (x 2 pcs.)
1000	Convert		YIX30L-BS *	-	53030	-	Vespa 50 Elestart			-	-	-	B39-6
1000	Daytona		YIX30L-BS *	-	53030	-	Vespa 125 Sprint			-	-	-	B39-6
1000	Le Mans		YIX30L-BS *	-	53030	-	Vespa 150 GL			-	-	-	B39-6
1000	Mille		YIX30L-BS *	-	53030	-	Vespa PK 50 FL/FL2 (c/avv.)			-	-	YB7-A	-
1000	1000NT		YIX30L-BS *	-	53030	-	Zip - Zip (Fast Rider)			-	-	YB4L-B	-
1000	Quota		YIX30L-BS *	-	53030	-	PUCH						
1000	V10 Centauro Sport, GT	'99-END	-	YTX15L FA	-	-	Cobra 80			-	-	-	B39-6
936	Bellagio	'10	YTX20HL-BS *	YTX20L-BS	-	-	Cobra GTL, Daytona N50, Monza			-	-	YB4L-B	B39-6
850	Le Man		YIX30L-BS *	-	53030	-	Lido SL50, Lido Vario			-	-	-	B39-6
750	T3, T4, T5		YIX30L-BS *	-	53030	-	Monza GP, Monza GX, Monza X			-	-	-	B39-6
750	Breva 750	'04-'10	YTX144HL-BS	-	-	-	ROYAL ENFIELD						
750	V7 Classic	'09-'11	YTX144HL-BS	-	-	-	500	All Kick-start Models	'95-'99	-	-	YB7-A *	12N7-4A
750	Nevada		YTX20HL-BS *	YTX20L-BS *	YB18L-A	-		All Kick-start Models	'00-'03	-	-	YB5L-B *	12N5-3B
750	Nevada 750 Classic	'10	YTX144HL-BS	-	-	-		All Electric Start Models	'00-'03	YTX144HL-BS *	-	YB14L-A2	-
650	NTX		YTX20HL-BS *	YTX20L-BS *	YB18L-A	-	350	All Kick-start Models	'95-'99	-	-	YB7-A *	12N7-4A
650	Strada		YTX20HL-BS *	YTX20L-BS *	YB18L-A	-		All Kick-start Models	'00-'03	-	-	YB5L-B *	12N5-3B
650	V7		YIX30L-BS *	-	53030	-		All Electric Start Models	'00-'03	YTX144HL-BS *	-	YB14L-A2	-
650	V75		YTX20HL-BS *	YTX20L-BS *	YB18L-A	-	SUZUKI						
650	NTX		YTX20HL-BS *	YTX20L-BS *	YB18L-A	-	1800	VZR1800 (M109R)	'06-'11	YTX20CH-BS	-	-	-
650	V65		YIX30L-BS *	-	53030	-							
650	V65 Florida		YTX20HL-BS *	YTX20L-BS *	YB18L-A	-							

* See Battery Upgrade Cross Reference Chart on page 9.

MOTORCYCLE APPLICATIONS



cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
	VLR1800 (C109R)	'08-'11	YTX20CH-BS	-	-	-		RF600R, S	'94-'96	-	YTX9-BS	-	-
	SUZUKI (continued)							SUZUKI (continued)					
1600	Marauder, Boulevard M95	'04-'05	YTX20CH-BS *	YTX16-BS	-	-	550	GS550E, L, M, TX	'77-'82	-	-	YB10L-A2	-
1500	VL1500 Intruder, Boulevard C90	'98-'11	-	YTX16-BS-1	-	-		GS550E, ES, L	'83-'86	-	-	YB10L-B	-
	VZ1500 Boulevard M90	'09-'11	YTX20CH-BS	-	-	-		GT550 Indy	'72-'77	-	-	-	12N11-3A-1
1400	GV1400GC, D, T Cavalcade	'86-'88	YTX24HL-BS *	-	SY50-N18L-AT	-	500	GS500, F	'01-'11	-	-	YB10L-B2	-
	VS1400GL Intruder, GLP, S83	'87-'11	-	YTX16-BS-1	-	-		GS500E	'89-'00	-	-	YB10L-B2	-
1300	GSX1300BK B-King	'08-'11	-	YTX12-BS	-	-		GT500 Titan	'76-'77	-	-	YB7-A *	12N7-4A
	GSX1300R Hayabusa	'99-'07	-	YT12A-BS	-	-		SP500	'81-'83	-	-	-	6N4B-2A
	GSX1300R, Z Hayabusa	'08-'11	-	YTX12-BS	-	-		TS500 Titan	'68-'75	-	-	YB7-A *	12N7-4A
1250	GSF1250S, A Bandit, FA	'07-'11	-	YT12A-BS	-	-	450	GS450	'83-'88	-	-	YB12B-B2	-
1200	GSF1200, S Bandit	'97-'05	-	YTX12-BS	-	-		GS450	'80-'82	-	-	YB10L-A2	-
	GV1200GL Madura	'85-'86	YTX14AHL-BS *	-	YB14L-B2	-	425	GS425, GS425E, L	'79	-	-	YB10L-A2	-
1150	GS1150E, S	'83-'86	-	-	SYB14L-B2	-	400	DR-Z400, E, S, SM	'00-'11	-	YT7B-BS	-	-
1100	GS1100S, Katana	'81-'01	-	-	SYB14L-A2	-		GN400T, X	'80-'82	-	-	-	6N4B-2A
	GS1100E, S	'80-'83	-	-	SYB14L-A2	-		GS400	'77-'78	-	-	YB10L-A2	-
	GS1100G, K, L, Katana	'82-'84	YTX14AHL-BS *	-	YB14L-A2	-		GS400X	'77-'78	-	-	YB7-A *	12N7-4A
	GSX-R1100	'86-'92	YTX14AHL-BS *	-	YB14L-A2	-		GSF400 Bandit	'91-'93	-	YTX9-BS	-	-
	GSX-R1100 W	'93-'98	-	YTX12-BS	-	-		SP400	'80	-	-	-	6N4B-2A
	GSX1100F Katana	'88-'93	YTX14AHL-BS *	-	YB14L-B2	-		TS400 Apache	'76-'77	-	-	-	6N4B-2A
	GSX1100G	'91-'93	YTX14H-BS *	YTX14-BS	-	-		TS400 Apache	'72-'75	-	-	YB5L-B *	12N5-3B
1000	DL1000 V-Strom	'02-'11	YTX14H-BS *	YTX14-BS	-	-	380	GT380 Sebring	'72-'77	-	-	YB7-A *	12N7-4A
	GS1000	'78-'82	YTX14AHL-BS *	-	YB14L-A2	-	370	SP370	'78-'79	-	-	-	6N4B-2A
	GSX-R1000	'01-'04	-	YTX12-BS	-	-	350	DR350S	'90-'96	-	YTX4L-BS	-	-
	GSX-R1000	'05-'11	-	YT12A-BS	-	-		DR350SE	'94-'99	-	YTX7L-BS	-	-
	SV1000, S	'03-'07	YTX14H-BS *	YTX14-BS	-	-	350	T350 Series	'79	-	-	YB5L-B *	12N5-3B
	TL1000R	'98-'03	-	YT12A-BS	-	-	305	Scramble TC305	'69	-	-	YB5L-B *	12N5-3B
	TL1000S	'97-'01	-	YTX12-BS	-	-		T305	'69	-	-	YB5L-B *	12N5-3B
900	RF900, R, S, ZS	'94-'97	-	YTX9-BS	-	-	300	GS300L	'82-'85	-	-	YB12B-B2	-
850	GS850G, GL	'79-'83	YTX14AHL-BS *	-	YB14L-A2	-	250	DR250S	'90-'92	-	YTX4L-BS	-	-
800	VL800 Intruder Volusia, Boulevard C50, T, M50	'01-'10	-	YTX12-BS	-	-		DR250S EP, ER, ES	'93-'95	-	YTX7L-BS	-	-
	VS800 GL, S Intruder, Boulevard S50	'92-'11	-	-	YB16B-A1	-		DR-Z250	'01-'07	YTZ7S	-	-	-
	VX800	'90-'93	-	-	YB16B-A	-		GN250	'82-'88	-	-	YB10L-A2	-
	VZ800 Marauder	'97-'08	-	YTX12-BS	-	-		GS250T	'80-'81	-	-	YB10L-A2	-
750	GS750, Katana	'77-'83	YTX14AHL-BS *	-	YB14L-A2	-		GT250 Hustler	'73-'77	-	-	YB5L-B *	12N5-3B
	GSX750F Katana	'98-'06	-	YTX9-BS	-	-		GZ250	'99-'11	-	YTX7L-BS	-	-
	GSX750F Katana	'89-'97	YTX14AHL-BS *	-	YB14L-B2	-		Model T20	'69	-	-	YB5L-B *	12N5-3B
	GSX-R750	'00-'11	-	YT12A-BS	-	-		SP250	'82-'85	-	-	-	6N4B-2A
	GSX-R750	'96-'99	-	YTX9-BS	-	-		Scrambler TC250	'69	-	-	YB5L-B *	12N5-3B
	GSX-R750	'86-'92	YTX14AHL-BS *	-	YB14L-A2	-		T250, T250-II, T250J, T250R	'72	-	-	YB5L-B *	12N5-3B
	GSXR750W	'94-'95	-	YTX9-BS	-	-		TS250 Savage	'73-'81	-	-	-	6N4B-2A
	GSXR750W	'93	-	YTX12-BS	-	-		TS250 Savage	'69-'72	-	-	-	6N2-2A-4
	GT750 LeMans	'72-'77	YTX14AHL-BS *	-	YB14L-A2	-		TU250X	'09-'11	-	YTX7L-BS	-	-
	VS750GLP Intruder	'88-'91	-	-	YB16B-A1	-	200	DR200SE	'96-'11	-	YTX7L-BS	-	-
700	GS700E, GS700ES	'85	YTX14AHL-BS *	-	YB14L-A2	-		SP200	'86-'88	-	-	YB4L-B	-
	GV700GL Madura	'85	YTX14AHL-BS *	-	YB14L-B2	-		T200, TC200	-	-	YB5L-B *	12N5-3B	
	VS700GL Intruder	'85-'87	-	-	YB16B-A1	-	185	GT185 Adventurer	'73-'77	-	-	-	12N11-3A-1
650	DL650 V-Strom	'04-'11	-	YTX12-BS	-	-		TC185 Ranger	'74-'77	-	-	-	12N11-3A-1
	DR650S ER, ES	'94-'95	-	YTX12-BS	-	-		TS185 Sierra	'77-'81	-	-	-	6N4B-2A
	DR650S N, P	'92-'93	-	YTX4L-BS	-	-		TS185 Sierra	'71-'76	-	-	-	6N4-2A
	DR650S	'90-'91	-	-	YB5L-B *	12N5-3B	125	DR125, SE, SES	'94-'96	-	YTX7L-BS	-	-
	DR650SE	'98-'11	-	YTX9-BS	-	-		GN125, E	'91-'96	-	-	YB7-A	-
	DR650SE (CN)	'96-'97	-	YTX9-BS	-	-		GN125, E	'82-'83	-	-	YB7-A	-
	DR650SE	'96-'97	-	-	YB10L-B2	-		RV125 SE, R	'94	-	YTX7L-BS	-	-
	GR650 Tempter, X	'83	YTX14AHL-BS *	-	YB14L-A2	-		RV125 Tracker	'73-'77	-	-	-	6N4-2A
	GS650E	'81-'82	-	-	YB10L-A2	-		SP125	'86-'88	-	-	-	6N4-2A
	GS650 (All)	'81-'83	YTX14AHL-BS *	-	YB14L-A2	-		SP125	'82-'83	-	-	-	6N4B-2A
	GSX650F	'08-'11	-	YTX9-BS	-	-		TC125 Prospector	'73-'77	-	-	-	6N4B-2A
	LS650 Savage, S40	'86-'11	YTX14AHL-BS *	-	YB14L-B2	-	120	TS125 Duster	'71-'81	-	-	-	6N4B-2A
	SV650	'99-'02	-	YT12A-BS	-	-		B120P	-	-	-	-	6N4-2A
	SV650A, SA	'03-'10	-	YT12A-BS	-	-		TC120, TC120-II, TC120R	'71	-	-	-	6N4B-2A
	SV650, S	'08-'11	-	YTX12-BS	-	-	105	B105P	-	-	-	-	6N4-2A
650	SFV650 Gladius	'09-'11	-	YT12A-BS	-	-	100	A100 Go-fer	'76-'77	-	-	-	6N4-2A
	XN85 Turbo	'83	YTX14AHL-BS *	-	YB14L-A2	-		A100 Go-fer	'69	-	-	-	6N4-2A
600	GSF600S Bandit	'96-'03	-	YTX9-BS	-	-		B100P	-	-	-	-	6N4-2A
	GSX-R600	'97-'11	-	YTX9-BS	-	-		SP100	'83	-	-	-	6N4B-2A
	GSX-R600W	'92-'93	-	YTX9-BS	-	-		Scrambler AC100	'69	-	-	-	6N4-2A
	GSX600F Katana	'98-'06	-	YTX9-BS	-	-		Sport AS100	'69	-	-	-	6N4-2A
	GSX600F Katana	'88-'97	-	-	YB10L-B2	-		TC100 Blazer	'73-'77	-	-	-	6N4-2A
	SP600	'85	-	-	YB5L-B *	12N5-3B		TS100 Honcho	'78-'81	-	-	-	6N4B-2A

* See Battery Upgrade Cross Reference Chart on page 9.



MOTORCYCLE APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	
	TS100 Honcho	'73-'77	-	-	-	6N4-2A	(100)	VICTORY (continued)						
	SUZUKI (continued)						1507	Vegas, Kingpin, Hammer	'03-'05	YTX20HL-BS *	YTX20L-BS	-	-	
90	RV90 Rover	'73-'77	-	-	-	6N4B-2	(92)	V92TC Touring Cruiser	'02-'06	YTX20HL-BS *	YTX20L-BS	-	-	
	RV90 Rover	'72	-	-	-	6N2-2A-4		V92SC Sport Cruiser	'00-'01	YTX20HL-BS *	YTX20L-BS	-	-	
	TC90		-	-	-	6N4-2A		V92C, DC Classic, Deluxe Cruiser	'98-'04	YTX20HL-BS *	YTX20L-BS	-	-	
	TC90J, TC90R		-	-	-	6N2-2A-4								
	Model K10, Model K10P	'68	-	-	-	6N4-2A								
80	Sport 80 (Models K11 & K11P)	'68	-	-	-	6N4-2A								
	Trail 80 (Models K15 & K15P)	'68	-	-	-	6N4-2A								
75	TS75 Colt	'75-'77	-	-	-	6N4-2A								
70	DR-Z70	'08-'09	-	YT4B-BS	-	-								
55	Model 31	'68	-	-	-	6N2-2A-4								
50	AC50, AS50	'71	-	-	-	6N4-2A								
	OR50	'79-'80	-	-	-	6N4B-2A								
	Sport 50 (Model M12)	'68	-	-	-	6N4-2A								
	TS50	'74	-	-	-	6N4-2A								
	TRIUMPH							YAMAHA						
2300	Rocket III	'03-'11	YTX20HL-BS *	YTX20L-BS	-	-	1854	Roadliner, Raider, Stratoliner	'06-'11	-	YT14B-BS	-	-	
1600	Thunderbird	'10-'11	YTX20HL-BS *	YTX20L-BS	-	-	1700	VMAX	'09-'11	YTZ14S	-	-	-	
1200	Trophy	'00-'04	YTX14H-BS *	YTX14-BS	-	-		XV17AT Road Star, Silverado	'04-'07	YTX20HL-BS *	YTX20L-BS	-	-	
	All Other Models	'93-'99	YTX14AHL-BS *	-	-	-		XV17P Road Star Warrior	'02-'08	-	YT14B-BS	-	-	
1050	Speed Triple	'05-'10	-	YTX12-BS	-	-		XV17AT Road Star, Silverado	'08-'11	-	YT14B-BS	-	-	
	Sprint ST	'05-'10	-	YTX12 F/A	-	-		MT-01 (EU)	'05-'11	-	YT14B-BS	-	-	
	Speed Triple	'05-'10	-	YTX12-BS	-	-								
	Tiger	'07-'11	-	YT12B F/A	-	-	1600	XV1600 Road Star	'99-'03	YTX20HL-BS *	YTX20L-BS	-	-	
1000	Daytona	'92-'93	YTX14AHL-BS *	-	-	-	1300	FJR1300, A	'03-'11	-	YT14B-BS	-	-	
955	Daytona 955i, Speed Triple, Sprint ST	'99-'04	YTX14H-BS *	YTX14-BS	-	-		XVZ13 Royal Star/Venture (All)	'96-'11	YTX20HL-BS *	YTX20L-BS	-	-	
	Sprint RS	'00-'04	YTX14H-BS *	YTX14-BS	-	-		XVZ13 Venture/Royale	'86-'93	YTX24HL-BS *	-	SY50-N18L-AT	-	
	Tiger	'02-'06	YTX14H-BS *	YTX14-BS	-	-		XJR1300(EU)	'07-'11	YTZ14S	-	-	-	
	All Other Models	'96-'97	YTX14AHL-BS	-	-	-		XVS13AY V Star 1300, Stryker	'09-'11	YTX20HL-BS *	YTX20L-BS	-	-	
900	Scrambler, Bonneville T90	'06-'07	-	YTX12-BS	-	-	1200	FJ1200 (All)	'91-'93	YTX14H-BS *	YTX14-BS	-	-	
	Tiger	'99-'01	YTX14H-BS *	YTX14-BS	-	-		FJ1200	'86-'90	YTX14AHL-BS *	-	YB14L-A2	-	
	Thruxton	'03-'08	-	YTX12-BS	-	-		VMX12 V-Max	'85-'07	-	-	YB16AL-A2	-	
	Thruxton	'09-'11	-	YT12B-BS	-	-		XVZ12 Venture/Royale	'83-'85	YTX24HL-BS *	-	SY50-N18L-AT	-	
	Thunderbird	'02-'03	YTX14AHL-BS	-	-	-		XT1200Z Super Tenere	'11	YTZ12S	-	-	-	
	All Other Models	'91-'01	YTX14AHL-BS	-	-	-	1100	FJ1100	'84-'85	YTX14AHL-BS *	-	YB14L-A2	-	
865	America	'09-'11	-	YT12B-BS	-	-		XJ1100 Maxim	'82	YTX24HL-BS *	-	SY50-N18L-AT	-	
	Bonneville T100, SE	'09-'11	-	YT12B-BS	-	-		XS1100 (All)	'78-'81	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	Scrambler	'09-'11	-	YT12B-BS	-	-		XV1100 Virago (All)	'86-'99	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	Speedmaster	'09-'11	-	YT12B-BS	-	-		XVS1100 V-Star (All)	'99-'10	-	YT14B-BS	-	-	
800	Bonneville	'01-'05	-	YTX12-BS	-	-	1000	FZR1000	'91-'95	YTX14H-BS *	YTX14-BS	-	-	
	Speedmaster	'03-'05	-	YTX12-BS	-	-		FZR1000	'87-'90	YTX14AHL-BS	-	YB14L-A2	-	
750	Bonneville, Tiger T150 Trident		-	-	YB9-B	12N9-4B-1		FZS1000 FZ1	'06-'11	YTZ14S	-	-	-	
	All Other Models	'93-'97	YTX14AHL-BS	-	YB7L-B	12N7-3B		FZS1000 FZ1	'01-'05	-	YT14B-BS	-	-	
675	Daytona 675	'06-'11	-	YT7B-BS	-	-		GTS1000	'93-'94	YTX14H-BS *	YTX14-BS	-	-	
	Street Triple	'09-'11	-	YTX9-BS	-	-		XV1000 Virago	'84-'85	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
650	T120 Bonneville		-	-	YB7L-B	-		YZF-R1	'98-'03	-	YT12B-BS	-	-	
600	600 (12V)		-	-	-	-		YZF-R1	'04-'11	YTZ10S	-	-	-	
	6T, T20B		-	-	-	-		YZF1000R	'97	YTX14H-BS *	YTX14-BS	-	-	
	Daytona 600/650, Speed Four TT600	'03-'05	-	YTX9-BS	-	-	950	XVS95CT, Y V Star 950	'09-'11	YTZ14S	-	-	-	
		'00-'03	-	YTX12-BS	-	-	920	XV920 Virago	'82	YTX24HL-BS *	-	SY50-N18L-AT	-	
500	500 (12V)		-	-	-	B39-6 (x2 pcs)		XV920M Midnight Virago	'83	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	5TA, TR5A/R		-	-	-	6N11A-1B		XV920R Virago	'81-'83	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
350	350 (6V)		-	-	-	6N11A-1B		XJ900R Seca	'83	YTX14AHL-BS *	-	YB14L-A2	-	
	350 (12V)		-	-	-	B39-6 (x2 pcs)		TDM900 (EU)	'-11	-	YT12B-BS	-	-	
	350 3TA, Twenty One		-	-	-	6N11A-1B		TDM850	'92-'93	-	YTX12-BS	-	-	
250	Tigress (6V)		-	-	-	6N11A-1B		TRX850	'95-'99	-	YTX12-BS	-	-	
	Tigress (12V)		-	-	-	6N11A-1B(2 pcs)		XS850 (All)	'80-'81	YTX14AHL-BS *	-	YB14L-A2	-	
200	Tiger		-	-	-	6N11A-1B		FZ8	'11	YTZ10S	-	-	-	
172	Tigress		-	-	-	6N11A-1B		FZ750, FZR750	'85-'88	YTX14AHL-BS *	-	YB14L-A2	-	
(C)								TX750	'73-'74	YTX20HL-BS *	YTX20L-BS *	YB16L-B	-	
	VICTORY							XJ750 Maxim	'82-'83	-	-	SYB14L-A2	-	
1731	Vegas, Jackpot, Hammer, Ness, Vision	'08-'11	YTX20HL-BS	-	-	-		XJ750M Midnight Maxim	'83	YTX14AHL-BS *	-	YB14L-A2	-	
(106)	Vegas, Kingpin, Hammer(-08)	'06-'10	YTX20HL-BS	-	-	-		XJ750R Seca	'81-'83	-	SYB14L-A2	-	-	
1634								XS750 (All)	'77-'79	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	
								XV750 Virago (All)	'81-'96	-	-	YB16AL-A2	-	
								YZF750R	'94-'98	-	YTX12-BS	-	-	
								YZF-R7	'99	-	YT9B-BS	-	-	
								700	FZ700, Fazer	'86-'87	YTX14AHL-BS *	-	YB14L-A2	-
								XJ700 Maxim, XJ700X	'85-'86	YTX14AHL-BS *	-	YB14L-A2	-	
								XV700 Virago	'84-'87	-	YB16AL-A2	-	-	
								660	XT660X, R,Z (EU)	'04-'11	-	YT9B-BS	-	-
								MT-03 (EU)	'06-'11	-	YT9B-BS	-	-	
								650	TX650	'74	YTX14AHL-BS *	-	YB14L-A2	12N14-3A
								TX650	'73	-	-	YB12A-A *	12N12A-4A-1	
								XJ650 (All)	'80-'83	-	-	YB12A-A *	12N12A-4A-1	
								XS1	'70-'71	-	-	-	12N5-5-3B	
								XS2	'72	-	-	YB12A-A *	12N12A-4A-1	
								XS650	'75-'83	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	

* See Battery Upgrade Cross Reference Chart on page 9.

MOTORCYCLE APPLICATIONS



cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
	XV650 V-Star (All)	'98-'11	-	YT12B-BS	-	-		XV250YCR V Star 250	'09-'11	-	-	YB10L-A2 *	12N10-3A-2
	YAMAHA (continued)							YAMAHA (continued)					
600	FJ600	'84-'85	-	-	YB12A-A *	12N12A-4A-1	250	Tricker	'10-'11	YTZ7S	-	-	-
	FZ6 R	'05-'11	-	YT12B-BS	-	-	230	TTR230E	'06-'07	YTZ7S *	YTX5L-BS	-	-
	FZ600	'86-'88	-	-	YB12A-A *	12N12A-4A-1	225	TTR225	'99-'05	-	-	YB7B-B	-
	FZR600/R	'89-'99	-	-	YB12AL-A2	-		XT225	'01-'07	YTZ7S	-	-	-
	SRX600	'86	-	-	YB5L-B *	12N5-3B		XT225 Serow	'92-'00	-	YTX7L-BS	-	-
	XJ600S Seca II	'92-'98	-	YTX9-BS	-	-	200	BW200E Big Wheel (Electric Start)	'86-'88	-	-	YB7C-A	-
	XT600	'84-'89	-	-	YB5L-B	-		CS3B, CS3C	'70-'71	-	-	YB9L-A2	-
	XT600E	'90-'95	-	YTX9-BS	-	-		CS5	'72	-	-	YB9L-A2	-
	YX600 Radian	'86-'90	-	-	YB12A-A *	12N12A-4A-1		RD200	'74-'76	-	-	YB9L-A2	-
	YZF-R6 (Excl. R6S)	'06-'11	YTZ10S	-	-	-		TW200	'87-'11	-	-	YB7C-A	-
	YZF-R6, R6S	'01-'07	-	YT9B-BS	-	-		XT200	'82-'83	-	-	-	6N4A-4D
	YZF-R6	'99-'00	-	YT12B-BS	-	-		YCS1	'68	-	-	YB9L-A2	-
	YZF600R	'95-'07	-	YTX12-BS	-	-	185	SR185 Exciter	'81-'82	-	-	YB7L-B	-
	XJ6, Deversion (EU)	'-11	-	YT12B-BS	-	-	175	CT1, CT1B, CT1C 175 Enduro	'69-'71	-	-	-	6N2-2A-3
550	XJ550 Maxim, R Seca	'81-'83	-	-	YB12A-A *	12N12A-4A-1		CT2, CT3 175 Enduro	'72-'73	-	-	-	6N4A-4D
	XT550	'82-'83	-	-	YB5L-B *	12N5-3B		DT175 Enduro	'78-'81	-	-	-	6N6-3B-1
	XZ550R Vision	'82-'83	YTX14AHL-BS *	-	YB14L-A2	-		DT175 Enduro	'74-'76	-	-	-	6N4B-2A-3
535	XV535 Virago	'87-'99	-	-	YB12AL-A2	-	125	AS2C	'69	-	-	-	12N5.5-3B
500	SR500	'78-'99	-	-	YB7L-B	12N7-3B		AT1E, AT1B, AT1C 125 Enduro	'69-'71	-	-	YB7L-B *	12N7-3B
	TX500	'73-'74	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A		AT2, AT3 125 Enduro	'72-'73	-	-	YB7L-B *	12N7-3B
	XS500	'75-'78	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A		DT125 Enduro	'74-'81	-	-	YB7L-B *	12N7-3B
	XT500	'76-'81	-	-	-	6N6-3B-1		RD125	'75-'76	-	-	-	12N5.5A-3B
	XV500 Virago	'83	-	-	YB12A-A *	12N12A-4A-1		TTR125E/LE Electric Start	'03-'07	-	YTX4L-BS	-	-
450	WR450F	'03-'07	YTZ7S	-	-	-		XT125	'82-'83	-	-	-	6N4A-4D
400	DT400 Enduro	'77-'78	-	-	-	6N6-3B-1		YA6	'64-'66	-	-	YB10L-B	-
	DT400 Enduro	'75-'76	-	-	-	6N4B-2A-3		YAS1/C	'68	-	-	-	12N5.5-3B
	FZR400 (All)	'88-'90	-	-	YB12AL-A2	-	100	DT100 Enduro	'77-'83	-	-	-	6N4-2A-5
	RD400	'76-'79	-	-	-	12N5.5A-3B		DT100 Enduro	'74-'76	-	-	-	6N4B-2A-3
	XS400 (All)	'80-'83	-	-	YB12A-A *	12N12A-4A-1		L5T, L5TA	'69-'70	-	-	YB7L-B *	12N7-3B
	SR400	'78-'00	-	-	YB7L-B *	12N7-3B-1		LS2	'72	-	-	-	12N5.5A-3B
	SR400	'01-'09	-	YT4B-BS	-	-		LT2, LT3 100 Enduro	'72-'73	-	-	-	6N4A-4D
	SR400 (FI)	'10-'11	-	YT4B-BS	-	-		RS100	'75-'76	-	-	-	6N4A-4D
360	DT360 Enduro	'74	-	-	-	6N4B-2A-3		YL2C/CM	'68	-	-	YB7L-B *	12N7-3B
	RT1, RT1B 360 Enduro	'70-'71	-	-	-	6N2-2A-3		HS1, HS1B	'70-'71	-	-	-	12N5.5-3B
	RT2, RT3 360 Enduro	'72-'73	-	-	-	6N4-2A-5	90	HT1, HT1B 90 Enduro	'70-'71	-	-	-	6N2-2A-3
	XS360	'76-'78	-	-	YB12A-A *	12N12A-4A-1		TTR90E Electric Start	'03-'07	-	YT4B-BS	-	-
	XS360-2	'77	-	-	YB7L-B *	12N7-3B		DT80 Mini Enduro	'81-'83	-	-	-	6N4-2A-5
350	BW350 Big Wheel	'87-'88	-	-	YB12B-B2	-	80	G6S, G6SB	'70-'71	-	-	-	6N4A-4D
	R3	'69	-	-	YB5L-B *	12N5-3B		G7S	'72	-	-	-	6N4A-4D
	R5, R5B, R5C	'70-'72	-	-	-	12N5.5A-3B		GT1 Mini Enduro	'73	-	-	-	6N4-2A-5
	RD350	'73-'75	-	-	-	12N5.5A-3B		GT80 Mini Enduro	'74-'80	-	-	-	6N4-2A-5
	RZ350	'84-'85	-	-	-	12N5.5-3B		LB80 Chappy	'76-'78	-	-	-	6N4-2A-5
	XT350	'85-'00	-	-	YB3L-B	-		YG1	'62-'66	-	-	-	6N4A-4D
	YR2/C	'68	-	-	-	12N5.5-3B		YG5T, YG5S	'68-'69	-	-	YB7L-B *	12N7-3B
250	DS6B, DS6C	'69-'70	-	-	YB5L-B	12N5-3B		JT2 Mini Enduro	'72	-	-	-	6N2-2A-3
	DS7	'72	-	-	-	12N5.5A-3B	60	RD60	'73-'75	-	-	-	6N4A-4D
	DT1 250 Enduro	'68	-	-	-	6N2-2A-3		DT50 Enduro	'88-'90	-	-	-	6N4B-2A-3
	DT1B, DT1C, DT1E 250 Enduro	'69-'71	-	-	-	6N2-2A-3	50	LB50P Chappy	'78-'82	-	-	-	6N4-2A-5
	DT2 250 Enduro	'72	-	-	-	6N4-2A-5		LC50 Champ	'80-'81	-	-	-	6N4-2A-5
	DT250 Enduro	'77-'79	-	-	-	6N6-3B-1		MJ50 Towmy	'82	-	-	-	6N4-2A-5
	DT250 Enduro	'74-'76	-	-	-	6N4B-2A-3		QT50 Yamahopper	'79-'87	-	-	-	6N4-2A-5
	DT3 250 Enduro	'73	-	-	-	6N4-2A-5		RX50 Special	'83-'84	-	-	-	6N4-2A-5
	RD250	'73-'75	-	-	-	12N5.5A-3B		TTR50E	'06-'07	-	YT4B-BS	-	-
	SR250 Exciter	'80-'82	-	-	YB12A-A *	12N12A-4A-1		YSR50	'87-'92	-	-	-	6N4-2A-5
	SRX250	'87	-	-	YB12A-A *	12N12A-4A-1							
	TTR250	'99-'06	-	YT7B-BS	-	-							
	WR250X, R	'08-'11	YTZ7S	-	-	-							
	WR250F	'08-'09	YTZ7S	-	-	-							
	WR250F	'03-'07	YTZ7S *	YTX5L-BS	-	-							
	XT250	'08-'11	YTZ7S	-	-	-							
	XT250	'84	-	-	YB3L-B	-							
	XT250	'80-'83	-	-	-	6N6-3B-1							
	XV250 Virago	'95-'03	-	-	YB10L-A2 *	12N10-3A-2							
	XV250 Route 66	'88-'90	-	-	YB10L-A2 *	12N10-3A-2							

* See Battery Upgrade Cross Reference Chart on page 9.



SCOOTER APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
APRILIA							PIAGGIO						
500	Scarabeo	'09-'11	-	YTX12-BS	-	-	500	MP3 500	'08-'11	YTX14H-BS *	YTX14-BS	-	-
250	Sport City	'09-'11	-	YTX12-BS	-	-	400	MP3 400	'08-'11	YTX14H-BS *	YTX14-BS	-	-
200	Scarabeo	'09-'11	-	-	YB12AL-A	-	250	MP3 250	'08-'11	YTX14H-BS *	YTX14-BS	-	-
125	Mojito	'09-'10	-	YTX7L-BS	-	-	500	BV500	'08-'11	YTX14H-BS *	YTX14-BS	-	-
150	Sport City	'08-'11	-	-	YB9-B	-	460	X9	'09	YTX14H-BS *	YTX14-BS	-	-
100	Scarabeo ST	'09-'10	-	-	YB9-B	-	250	BV250	'08-'11	YTX14H-BS *	YTX14-BS	-	-
50	SR50	'09-'11	-	-	YB9-B	-	150	FLY150	'09-'11	-	-	YB9-B	-
E-TON							PIAGGIO - GILERA						
50	Beamer 50, Beamer III	'00-'11	YTZ7S *	YTX5L-BS	-	-	500	Fuoco 500ie	'10-'11	YTX20CH-BS *	YTX16-BS	-	-
	Matrix 50	'-11	YTZ7S *	YTX5L-BS	-	-		Nexus 500ie	'10	YTX14AHL-BS *	-	YB14L-A2	-
	Sport 50	'-11	-	YTX7A-BS	-	-	300	Nexus 300ie	'10-'11	-	YTX14-BS	-	-
150	Sport 150	'-11	-	YTX7A-BS	-	-	200	Runner 200	'10-'11	-	YTX12-BS	-	-
	Matrix R4-150	'-11	-	YTX9-BS	-	-	125	Runner 125	'10-'11	-	YTX14-BS	-	-
	Beamer R4-150	'-11	-	YTX9-BS	-	-	50	SP50	'10	-	-	YB4L-B	-
HONDA							PIAGGIO - VESPA						
600	FSC600 Silver Wing	'02-'11	YTZ12S	-	-	-	300	GTS300	'10-'11	YTX14H-BS *	YTX14-BS	-	-
250	CH250 Elite	'85-'90	-	YTX12-BS	-	-	250	GTS250	'10	YTX14H-BS *	YTX14-BS	-	-
	CN250 Helix	'93-'07	-	YTX12-BS	-	-		GTV250	'10	YTX14H-BS *	YTX14-BS	-	-
	CN250 Helix	'86-'87	-	YTX12-BS	-	-	150	LX150	'10-'11	-	-	YB9-B	-
	NSS250 Reflex	'01-'09	YTZ12S	-	-	-	50	LX50	'10-'11	-	-	YB9-B	-
	PS250 Big Ruckus	'05-'06	YTZ12S	-	-	-	SYM						
150	CH150 Elite	'87	-	YTX9-BS	-	-	250	RV250	'10-'11	-	YTX12-BS	-	-
	CH150 Elite Deluxe	'85-'86	-	-	YB9-B	-	200	HD200	'10	-	YTX9-BS	-	-
	SH150	'-11	-	YTX7L-BS	-	-	125	HD125	'10-'11	-	YTX9-BS	-	-
	FES150	-	-	YTR9-BS	-	-		Fiddlel125	'10-'11	-	YTX7A-BS	-	-
125	CH125 Elite	'84	-	-	YB9-B	-	50	Fiddlel150	'10-'11	-	YTX7A-BS	-	-
	FES125	-	-	YTR9-BS	-	-		SYMply50	'10-'11	-	YTX7A-BS	-	-
	NH125 Aero	'84	-	-	YB5L-B	-		MIO 50	'10-'11	YTZ7S	-	-	
	Pantheon 125	-	-	YTR9-BS	-	-		JetEuro 50	'10-'11	-	-	-	
	PCX	'10-'11	YTZ7S	-	-	-		RS50	'10	-	YTX4L-BS	-	-
110	NHX110 Elite	'10-'11	-	YTX7L-BS	-	-	SUZUKI						
80	CH80 Elite	'93-'09	YTZ7S *	YTX5L-BS	-	-	650	AN650 Burgman	'03-'11	YTX14H *FA	YTX14 FA	-	-
	NH80 Aero	'85	YTZ7S *	YTX5L-BS	-	-	400	AN400 Burgman	'03-'11	-	YT12A FA	-	-
	NH80MD Aero	'83-'84	-	-	YB5L-B	-	50	F50, F50R	'71	-	-	-	6N4-2A
50	CHF50 Metropolitan, II, SP	'02-'11	YTZ7S	-	-	-		FA50 Shuttle	'80-'91	-	-	-	6N2-2A-4
	NB50 Aero	'85-'87	-	YTX4L-BS	-	-		FS50, FZ50	'79-'83	-	-	-	6N4-2A
	NB50M Aero	'83-'84	-	-	YB4L-B	-	YAMAHA						
	NN50MD Gyro	'84	-	-	YB4L-B	-	500	SP500 T-Max	'09-'11	YTZ10S	-	-	-
	NPS50, S Ruckus	'03-'11	YTZ7S	-	-	-	400	YP400 Majesty	'04-'11	-	YT9B-BS	-	-
	NQ50 Spree, 50D SS	'86-'87	-	YTX4L-BS	-	-	250	Morphous	'06-'07	YTZ10S	-	-	-
	NQ50 Spree	'84-'85	-	-	YB4L-B	-		Maxam	'-11	YTZ10S	-	-	-
	P50 Little Honda	'67-'68	-	-	-	-	200	XC200 Riva	'87-'91	-	-	YB10L-B2	-
	PA50I Moped, PA50II	'78-'83	-	-	-	-	180	XC180 Riva	'83-'85	-	-	YB10L-B	-
	SA50 Elite LX, S, SR	'88-'01	-	YTX4L-BS	-	-	125	XC125 Riva	'85-'01	-	-	YB7C-A	-
	SB50 (All)	'88-'90	-	YTX4L-BS	-	-		YJ125T Vino 125	'04-'09	-	YTX7A-BS	-	-
	SE50 Elite (All)	'87	-	YTX4L-BS	-	-		Zuma 125	'09-'11	-	YT7B-BS	-	-
	TG50 Gyro S (All)	'85-'86	-	YTX4L-BS	-	-	80	CV80 Riva	'83-'87	-	-	6YB11-2D	6N11-2D
HYOSUNG							YAMAHA						
250	NS3-250	'09-'11	-	YTX9-BS	-	-	50	CA50 Riva	'83-'86	-	-	6YB8L-B	-
100	EZ100	All Years	YTZ7S *	YTX5L-BS	-	-		CE50 Riva Jog	'86-'87	-	-	YB4L-B	-
50	SB50 Super Cab, SD50 Sense, SF50 Prima, Rally, Sense	All Years	-	YTX4L-BS	-	-		CG50 Riva	'88-'91	-	-	YB4L-B	-
KYMCO							YAMAHA						
500	Xciting 500i	'09-'11	YTX14H-BS *	YTX14-BS	-	-		CV50 Riva	'84	-	-	6YB8L-B	-
400	Xciting 400i	'09	-	YTX12-BS	-	-		CW50 Zuma	'89-'90	-	-	YB4L-B	-
250	People 250	'09-'11	-	YTX12-BS	-	-		CW50 Zuma II	'97-'01	-	-	YB4L-B	-
	Xciting 250i	'10-'11	-	YTX12-BS	-	-		CV50 Riva Jog	'92-'01	-	YTX4L-BS	-	-
200	People S 200	'-11	-	YTX7A-BS	-	-		SH50 Riva Razz	'87-'01	-	-	YB4L-B	-
150	People S 150	'09-'11	-	YTX7A-BS	-	-		XC50 Vino Classic	'06-'11	YTZ7S *	YTX5L-BS	-	-
	Super 8 150	'09-'11	-	YTX7A-BS	-	-		XF50W (C3)	'07-'11	YTZ7S *	YTX5L-BS	-	-
125	People S 125	'09-'10	-	YTX7A-BS	-	-		YW50A Zuma	'02-'11	YTZ7S *	YTX5L-BS	-	-
	Agility 125	'-11	YTZ7S *	YTX5L-BS	-	-		VOX	'-11	YTZ7S *	YTX5L-BS	-	-
50	Super 8	'09-'11	-	YTX7A-BS	-	-	Footnotes						
	Super 9	'09-'10	YTZ7S *	YTX5L-BS	-	-	* See Battery Upgrade Cross Reference Chart on page 9.						
	People	'09-'11	YTZ7S *	YTX5L-BS	-	-	FA Must use Factory Activated battery						
	People S 50	'09-'10	-	YTX7A-BS	-	-							
	Agility 50	'09-'11	-	YTX7A-BS	-	-							

* See Battery Upgrade Cross Reference Chart on page 9.
FA Must use Factory Activated battery

UTILITY VEHICLE (UTV) APPLICATIONS



cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
ARCTIC CAT							KYMCO						
550	Prowler 550	'11	YTX24HL-BS	-	-	-	500	UXV500	'11	YTX20HL-BS *	YTX20L-BS	-	-
650	Prowler 650	'06-'10	YTX24HL-BS *	-	Y50-N18L-A-CX	-	POLARIS						
700	Prowler 700	'11	YTX24HL-BS	-	-	-	170	Ranger RZR	'11	-	YTX12-BS	-	-
1000	Prowler 1000	'11	YIX30L-BS *	-	YB30L-B	-	425	Ranger 2x4	'02-'03	YIX30L-BS *	-	YB30L-B	-
BRP (Can-Am)							500	Ranger 6x6, 4x4	'98-'04	YIX30L-BS *	-	YB30L-B	-
800	Commander 800	'11	YTX20HL F/A *	YTX20L F/A	-	-	Ranger 4x4,	'04-'11	YIX30L-BS	-	-	-	-
1000	Commander 1000	'11	YTX20HL F/A *	YTX20L F/A	-	-	700	Ranger 6x6, 4x4	'06-'10	YIX30L-BS	-	-	-
HONDA							800	RZR	'09-'11	YTX20HL-BS	-	-	-
700	MUV700 Big Red	'08-'11	YTX14H-BS *	YTX14-BS	-	-	Ranger RZR	'10-'11	YIX30L-BS	-	-	-	
KAWASAKI							Ranger	'10-'11	YIX30L-BS *	-	YB30-LB	-	-
300	KAF300, Mule 500, 520, 550		YTX14AH-BS *	-	YB14A-A2	-	SUZUKI						
400	KAF400, Mule 600, 610	'05-'11	YTX14AH-BS *	-	YB14A-A2	-	620	QUV620F	'05	YTX20HL-BS *	YTX20L-BS	-	-
450	KAF450, Mule 1000		YTX20HL-BS-PW *	-	YB16CL-B	-	YAMAHA						
540	KAF540, Mule 2010, 2020, 2030		YTX20HL-BS-PW *	-	YB16CL-B	-	Rhino	All Years	U1, Currently not available				
620	KAF620, Mule 3010 4x4		YTX20HL-BS *	YTX20L-BS	-	-	* See Battery Upgrade Cross Reference Chart on page 9. K Available at Kawasaki dealers only.						
	Advantage Classic	'03-'07	YTX20HL-BS *	YTX20L-BS	-	-							
	KAF620, Mule 2500, 2510, 2520		YTX20HL-BS-PW *	-	YB16CL-B	-							
	KAF620, Mule 3000, 3010, 3020		YTX20HL-BS *	YTX20L-BS	-	-							
	Mule 4000	'11	Not available	-	-	-							
	KAF620F, Mule 4010 4x4 (US)	'11	Not available	-	-	-							
	KAF620F, Mule 4010 4x4 (CN)	'11	YTX20HL-BS *	YTX20L-BS	-	-							
	Mule 4010 Trans 4x4, Diesel,	'11	Not available	-	-	-							
	Mule 4000												
	750 Teryx All Models (US)	'08-'11	Not available	-	-	-							
	Teryx All Models (CN)	'08-'11		KMX14-BS *	-	-							
950	KAF950, Mule 2510, 3010 Diesel	'10	Not available	-	-	-							



ALL TERRAIN VEHICLE (ATV) APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
AEON (BENZAI)							HONDA (continued)						
50	Cobra/CX-Sport 50	All	-	YTX4L-BS	-	-	250	TRX250 Recon, ES	'97-'03	-	YTX12-BS	-	-
90	Cobra/CX-Sport 90	All	-	YTX4L-BS	-	-	300	TRX300 Fourtrax	'88-'00	YTX14H-BS *	YTX14-BS	-	-
100	Cobra/CX-Sport 100	All	-	YTX4L-BS	-	-		TRX300X, EX	'93-'11	-	YTX9-BS	-	-
ARCTIC CAT													
50	DXV50	'06-'10	YTZ7S *	YTX5L-BS	-	-	350	FL350R Odyssey	'85	YTX14H-BS *	YTX12-BS	-	-
90	All Models	'06	-	YTX4L-BS	-	-		TRX350 Rancher	'00-'06	YTX14H-BS *	YTX14-BS	-	-
90	DXV90	'06-'11	YTZ7S *	YTX5L-BS	-	-		TRX350, D Fourtrax 4x4	'86-'89	YTX14H-BS *	YTX14-BS	-	-
150	150	'11	-	YTX9-BS	-	-	400	FL400R Pilot	'89-'90	YTX14H-BS *	YTX14-BS	-	-
250	All Models	'05	YTX14AH-BS *	-	YB14L-A2	-		TRX400 Rancher AT	'04-'06	YTX14H-BS *	YTX14-BS	-	-
	DXV250, 2x4	'06	-	YTX12-BS	-	-		TRX400X, EX, Fourtrax, Sportrax	'99-'11	-	YTX9-BS	-	-
	250	'10	-	YTX12-BS	-	-		TRX400FW Foreman	'95-'03	YTX14H-BS *	YTX14-BS	-	-
300	DXV300, Utility	'09-'11	-	YTX12-BS	-	-	420	TRX420 Fourtrax Rancher 4x4	'11	YTX14H-BS *	YTX14-BS	-	-
300	All Models	All	YTX14AH-BS *	-	YB14L-A2	-	450	TRX450 Fourtrax Foreman S, ES	'98-'04	YTX14H-BS *	YTX14-BS	-	-
366	366	'08-'11	YTX14AH-BS *	-	YB14-A2	-		TRX450ER	'06-'09	YTZ7S	-	-	-
400	All Models	All	YTX14AH-BS *	-	YB14-A2	-	500	TRX500FA Fourtrax Rubicon	'01-'11	YTX14H-BS *	YTX14-BS	-	-
	DXV400	All	-	YTX9-BS	-	-		TRX500FE, FM, TM Trax Foreman	'05-'11	YTX14H-BS *	YTX14-BS	-	-
	TRV400	'10	YTX14AH-BS *	-	YB14-A2	-		FourTrax Foreman ES, 4x4	'05-'09	YTX14H-BS *	YTX14-BS	-	-
450	450, TRV	'11	YTX20H-BS	-	-	-	650	TRX650 FourTrax Rincon (Std.)	'03-'05	YTX14H-BS *	YTX14-BS	-	-
550	550, TRV, LTD, S	'10-'11	YTX20H-BS	-	-	-		(Optional-cold starting)	'03-'04	YTX20H-BS *	YTX20L-BS	-	-
650	4x4 Automatic	'04-'06	YTX14AH-BS *	-	YB14-A2	-	680	TRX680FA Four Trax Rincon	'06-'11	YTX20H-BS *	YTX20L-BS	-	-
	650H1, TBX650, Mudpro	'05-'11	YTX14AH-BS *	-	YB14-A2	-	700	TRX700XX	'08-'11	-	YTX9-BS	-	-
	700	'06-'08	YTX14AH-BS *	-	YB14-A2	-	HYOSUNG						
	700, TRV, Mudpro, LTD, TBX	'09-'11	YTX20H-BS	-	-	-	450	TE450S	'11	-	YTX9-BS	-	-
	1000 Thundercat	'10	YTX20H-BS	-	-	-	JOHN DEERE						
	Mudpro 1000H2	'10-'11	YTX20H-BS	-	-	-	All Models		All Years	YTX20HL-BS-PW *	-	YB16CL-B	-
BRP (Can-Am)							KASEA						
50	DS50, Quest	'02-'06	-	YTX4L-BS	-	-	50	Mini Skyhawk	All	-	YTX4L-BS	-	-
70	DS70	'11	-	YTX4L-BS	-	-		Skyhawk 50	All	YTZ7S *	YTX5L-BS	-	-
90	DS90, DS90F, Quest	'02-'11	-	YTX4L-BS	-	-	65	KS, KU Models	All	-	YTX7A-BS	-	-
200	Rally	'02-'06	YTX14AH-BS *	-	YB14A-A2	-	90	KS, KU Models	All	-	YTX7A-BS	-	-
250	DS250	'06-'11	-	YTX12-BS	-	-		Skyhawk 90	All	YTZ7S *	YTX5L-BS	-	-
330	Outlander 330	'04-'05	-	YTX15L-BS	-	-	125	KS, KU Models, Adventure Buggy	All	-	YTX7A-BS	-	-
400	Outlander 400	'03-'04	-	YTX15L-BS	-	-	150	Skyhawk 150, Adventure Buggy	All	-	YTX7A-BS	-	-
	Outlander 400, XT, MAX	'04-'11	YTX20HL-BS *	YTX20L-BS	-	-	170	Skyhawk 170	All	-	YTX7A-BS	-	-
450	DS450	'11	-	YTX20L-BS	-	-	250	Skyhawk 250	All	-	YTX7A-BS	-	-
500	Traxter (All Models), Quest	'99-'05	YTX20HL-BS-PW *	-	YB16CL-B	-	KAWASAKI						
	Traxter (All Models), Quest (Opt)	'02-'05	YTX24HL-BS *	-	Y50-N18L-A-CX*	Y50-N18L-A	50	KFX50	'07-'10	YTZ7S *	YTX5L-BS	-	-
	Outlander, MAX, Renegade	'11	YTX20HL-BS *	YTX20L-BS	-	-	80	KSF80-A (KFX80)	'03-'05	YTZ7S *	YTX5L-BS	-	-
650	DS650	'00-'06	-	YTX15L-BS	-	-	90	KFX90	'07-'11	YTZ7S *	YTX5L-BS	-	-
	Quest	'02-'05	YTX20HL-BS-PW *	-	YB16CL-B	-	110	KLF110-B Mojave	'87-'88	-	-	YB9L-A2	-
	Quest (Opt)	'02-'05	YTX24HL-BS *	-	Y50-N18L-A-CX*	Y50-N18L-A	185	KLF185-A Bayou	'85-'88	-	-	YB10L-B	-
	Outlander, MAX	'11	YTX20HL-BS *	YTX20L-BS	-	-	200	KLF200-A, C	'81-'84	-	-	YB10L-B	-
660	Outlander 660 EFI	'06	YTX20HL-BS *	YTX20L-BS	-	-		KLF200-B, C	'83	-	-	YB12A-A	-
800	Outlander 800 EFI, Renegade	'06-'11	YTX20HL-BS *	YTX20L-BS	-	-	220	KLF220-A Bayou	'88-'02	-	-	YB10A-A2	-
E-TON													
50	All models	'04-'05	YTZ7S *	YTX5L-BS	-	-		KLF220-A Bayou (CN)	'92-'02	YTX14AH-BS *	-	YB14A-A2	-
	AXL, TXL, NXL, RXL	'99-'03	-	YTX4L-BS	-	-	250	KLF250-A Bayou	'03-'11	-	-	YB10A-A2	-
70	Viper 70	'11	YTZ7S *	YTX5L-BS	-	-		KLF250-A Bayou (CN)	'03-'05	YTX14AH-BS *	-	YB14A-A2	-
90	All models	'04-'11	YTZ7S *	YTX5L-BS	-	-		KLF250-A	'82-'83	-	-	YB12A-A	-
	AXL, TXL, NXL, RXL	'99-'03	-	YTX4L-BS	-	-		KLT250-C Prairie	'83	-	-	YB12A-A	-
	DXL90 Sierra	'99-'03	-	YTX4L-BS	-	-		KLT250-C Prairie	'84-'85	-	-	YB10L-B	-
150	CXL150 Yukon II	'00-'11	-	YTX9-BS	-	-		KEF300-A Lakota	'95-'00	YTX14AH-BS *	-	YB14A-A2	-
	YXL150 Yukon	'00-'03	-	YTX9-BS	-	-		KEF300-A Lakota Sport	'01-'03	YTX14AH-BS *	-	YB14A-A2	-
	Viper150R	'11	-	YTX9-BS	-	-		KEF300-B Lakota Sport	'01-'03	YTX14AH-BS *	-	YB14A-A2	-
250	Vector250	'11	-	YTX12-BS	-	-		KLF300-A Bayou	'86-'87	YTX20HL-BS-PW *	-	YB16CL-B	-
HONDA													
90	TRX90X, EX	'06-'11	YTZ7S *	YTX5L-BS	-	-		KLF300-B Bayou	'88-'04	YTX14AH-BS *	-	YB14A-A2	-
125	ATC125M	'86-'87	-	YTX12-BS	-	-		KLF300-B Bayou (CN)	'92-'99	YTX20HL-BS-PW *	-	YB16CL-B	-
	ATC125M	'84-'85	-	-	YB9A-A	-		KLF300-C Bayou 300 4x4	'89-'04	YTX14AH-BS *	-	YB14A-A2	-
	TRX125 Fourtrax	'87-'88	-	YTX9-BS	-	-		KLF300-C Bayou 300 4x4 (CN)	'92-'05	YTX20HL-BS-PW *	-	YB16CL-B	-
	TRX125 Fourtrax	'85-'86	-	-	YB9A-A	-		KVF300-A Prairie 300, 4x4	'99-'02	YTX14AH-BS *	-	YB14A-A2	-
200	ATC200 Big Red	'82-'84	YTX14AH-BS *	-	YB14A-A2	-		KVF300-A Prairie 300, 4x4 (CN)	'99-'01	YTX20HL-BS-PW *	-	YB16CL-B	-
	ATC200M	'84-'85	YTX14AH-BS *	-	YB14A-A2	-		KVF300-B Prairie 300, 4x4	'99-'02	YTX14AH-BS *	-	YB14A-A2	-
	TRX200 Fourtrax	'90-'96	-	YTX12-BS	-	-		KVF300-B Prairie 300, 4x4 (CN)	'99-'02	YTX20HL-BS-PW *	-	YB16CL-B	-
	TRX200 Fourtrax	'84	YTX14AH-BS *	-	YB14A-A2	-	360	KVF360 Prairie	'11	YTX14AH-BS *	-	YB14A-A2	-
	TRX200SX Fourtrax	'86-'88	-	YTX12-BS	-	-	400	KLF400-B Bayou 400 4x4	'93-'00	YTX20HL-BS-PW *	-	YB16CL-B	-
250	ATC250ES Big Red	'85-'87	-	YTX12-BS	-	-		KS400-A (KFX400)	'03-'06	-	YTX9-BS	-	-
	ATC250SX	'85-'87	-	YTX12-BS	-	-		KVF400-A Prairie 400 4x4	'97-'00	YTX14AH-BS *	-	YB14A-A2	-
	TRX250X, EX	'01-'11	-	YTX9-BS	-	-		KVF400-A Prairie 400 4x4 (CN)	'97-'00	YTX20HL-BS-PW *	-	YB16CL-B	-
	TRX250 Fourtrax	'85-'87	-	YTX12-BS	-	-		KVF400-B Prairie 400 4x4	'98-'00	YTX14AH-BS *	-	YB14A-A2	-
	TRX250 TE, TM, FourTrax Recon	'97-'11	-	YTX12-BS	-	-		KVF400-B Prairie 400 4x4 (CN)	'98-'00	YTX20HL-BS-PW *	-	YB16CL-B	-

* See Battery Upgrade Cross Reference Chart on page 9.

ALL TERRAIN VEHICLE (ATV) APPLICATIONS



cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
KAWASAKI (continued)							SUZUKI (continued)						
400	KVF400-C Prairie 400, 4x4	'99-'02	YTX14AH-BS *	-	YB14A-A2	-	230	LT-F230 QuadRunner	'86-'87	-	-	YB10A-A2	-
	KVF400-C Prairie 400, 4x4 (CN)	'99-'02	-	KMX14-BS K	-	-	250	LT250EF QuadRunner	'85-'86	-	-	Y50-N18A-A	-
	KVF400-D Prairie 400, 4x4	'99-'02	YTX14AH-BS *	-	YB14A-A2	-		LT-4WD QuadRunner	'87-'99	YTX14AH-BS *	-	YB14A-A2	-
	KVF400-D Prairie 400, 4x4 (CN)	'99-'01	-	KMX14-BS K	-	-		LT-4WD QuadRunner (Opt)	'87-'99	-	-	Y50-N18A-A	-
450	KFX450R	'08-'11	-	YTX7L-BS	-	-		LT-F250 QuadRunner	'88-'01	YTX14AH-BS *	-	YB14A-A2	-
650	4x4 Advantage Classic	'02-'03	-	KMX14-BS K	-	-		LT-F250 QuadRunner (Opt)	'88-'01	-	-	Y50-N18A-A	-
	KVF650 Brute Force	'02-'11	-	KMX14-BS K	-	-		LT-F250, F Ozark	'02-'11	-	YTX12-BS	-	-
700	KVF650-A, B, D Prairie 700, 4X4	'04-'06	-	KMX14-BS K	-	-		LT-F250F QuadRunner	'99-'02	YTX14AH-BS *	-	YB14A-A2	-
	KFX700	'03-'10	-	KMX14-BS K	-	-		LT-F250F QuadRunner (CN, Opt)	'99-'02	-	-	Y50-N18A-A	-
	KVF700-A, B, D Prairie 700, 4x4	'04-'06	-	KMX14-BS K	-	-		LT-Z250 QuadSport	'04-'11	-	YTX9-BS	-	-
750	KVF750 Brute Force	'05-'11	-	KMX14-BS K	-	-	280	LT-F4WDX KingQuad	'91-'99	YTX14AH-BS *	-	YB14A-A2	-
								LT-F4WDX KingQuad (CN, Opt)	'91-'99	-	-	Y50-N18A-A	-
KTM													
450	SX ATV	'08-'11	YTZ7S*	YTX5L-BS	-	-	300	LT-F4WDX KingQuad	'99-'02	YTX14AH-BS *	-	YB14A-A2	-
	XC ATV	'08-'11	YTZ7S*	YTX5L-BS	-	-		LT-F4WDX KingQuad (Opt)	'99-'02	-	-	Y50-N18A-A	-
505	SX ATV	'08-'11	YTZ7S*	YTX5L-BS	-	-		LT300E QuadRunner 300E	'87-'89	YTX14AH-BS *	-	YB14A-A2	-
	XC ATV	'08-'09	YTZ7S*	YTX5L-BS	-	-		LT-F300F KingQuad	'99-'02	YTX14AH-BS *	-	YB14A-A2	-
525	XC ATV	'10-'11	YTZ7S*	YTX5L-BS	-	-		LT-F300F KingQuad (CN, Opt)	'99-'02	-	-	Y50-N18A-A	-
KYMCO													
50	Mongoose 50	All	YTZ7S *	YTX5L-BS	-	-	400	LT-A400 Eiger 2WD, F Eiger 4WD	'02-'07	YTX14H-BS *	YTX14-BS	-	-
90	Mongoose 90	All	YTZ7S *	YTX5L-BS	-	-		LT-F400 Eiger 2WD, F Eiger 4WD	'02-'07	YTX14H-BS *	YTX14-BS	-	-
150	MXU150	All	-	YTX9-BS	-	-		LT-Z400 QuadSport	'03-'11	-	YTX9-BS	-	-
250	Mongoose, MXU	All	-	YTX12-BS	-	-		LT-A400 King Quad	'-11	YTX14H-BS *	YTX14-BS	-	-
300	MXU300SD	All	-	YTX12-BS	-	-	450	LT-A450 King Quad	'07-'11	YTX14H-BS *	YTX14-BS	-	-
	Mongoose300	All	-	YTX12-BS	-	-		LT-R450 QuadRacer	'06-'11	YTZ10S *	YTX7A-BS	-	-
POLARIS													
50	Predator, Outlaw	'04-'11	YTZ7S *	YTX5L-BS	-	-	500	LT-A500F Vinson 4WD	'04-'07	YTX20CH-BS	-	-	-
	Scrambler	'01-'02	-	YTX4L-BS	-	-		LT-A500F Vinson 4WD	'02-'03	YTX20CH-BS *	YTX16-BS	-	-
	Scrambler	'03	YTZ7S *	YTX5L-BS	-	-		LT-F500F Vinson Manual 4WD	'04-'07	YTX20CH-BS *	-	-	-
90	Predator, Sportsman, Outlaw	'03-'11	YTZ7S *	YTX5L-BS	-	-		LT-F500F Vinson Manual 4WD	'03	YTX20CH-BS *	YTX16-BS	-	-
	Scrambler, Sportsman	'01-'02	-	YTX4L-BS	-	-		LT-A500 King Quad	'-11	YTX20CH-BS	-	-	-
200	Phoenix, Sawtooth	'05-'11	-	YTX12-BS	-	-	700	LT-A700X King Quad	'05-'07	YTX20CH-BS	-	-	-
250	All Models	'85-'05	YTX14AH-BS *	-	YB14A-A2	-		LT-V700F Twin Peaks	'04-'05	YTX14H F/A*	YTX14 F/A	-	-
300	Hawkeye, Sportsman 300	'06-'10	-	-	YB14A-B2	-	750	LT-A750 King Quad	'07-'11	YTX20CH-BS	-	-	-
325	All Models	'87-'02	YTX14AH-BS *	-	YB14A-A2	-	YAMAHA						
330	Magnum, Trail	'03-'11	YTX14AH-BS	-	-	-	50	YFM50 Raptor	'04-'09	-	-	-	12N7D-3B
335	Sportsman	'98-'01	YTX14AH-BS *	-	YB14A-A2	-	80	YFM80 Badger	'85-'01	-	-	-	12N7D-3B
400	All Models	'94-'08	YTX14AH-BS *	-	YB14A-A2	-		YFM80 Grizzly	'05-'08	-	-	-	12N7D-3B
	Sportsman	'-11	YTX14AH-BS	-	-	-		YFM80R Raptor	'02-'08	-	-	-	12N7D-3B
425	All Models	'95-'02	YTX14AH-BS *	-	YB14A-A2	-	90	YFM90R Raptor	'09-'11	YTZ7S *	YTX5L-BS	-	12N7D-3B
450	Diesel .445 Litre (primary)	'99-'03	YIX30L-BS *	-	YB30L-B	-	100	YFM100 Champ	'87-'91	-	-	-	-
	Diesel .445 Litre (secondary)	'99-'03	YTX14AH-BS *	-	YB14A-A2	-	125	YFA-1 Breeze	'89-'04	-	-	YB12C-A	-
	Outlaw 450	'07-'10	-	YTX9-BS	-	-		YFM125S, Grizzly	'04-'11	-	-	YB12C-A	-
500	All Models (Excl. Predator, Sportsman)	'99-'11	YTX14AH-BS *	-	YB14A-A2	-		YFM12R, Raptor	'11	YTZ7S	-	-	-
	Sportsman HO	'96-'11	YTX14AH-BS *	-	YB14A-A2	-	200	YFM200, DX Moto 4	'85-'89	YTX14AH-BS *	-	YB14A-A1	-
	Sportsman EFI	'06-'10	YIX30L-BS	-	-	-		YTM200, E, ER Tri Moto	'83-'85	YTX14AH-BS *	-	YB14A-A1	-
	Predator, Outlaw	'03-'06	-	YTX9-BS	-	-	225	YFM225 Moto 4	'86-'88	YTX14AH-BS *	-	YB14A-A1	-
525	Outlaw 525	'08-'11	-	YTX9-BS	-	-		YTM225DR, DX Tri-Moto	'83-'86	YTX14AH-BS *	-	YB14A-A1	-
550	Sportsman	'-10	YTX20HL-BS	-	-	-	230	YFU-1/T Pro-Hauler	'89	YTX14AH-BS *	-	YB14A-A1	-
	Sportsman EPS, XP	'10-'11	YTX14AH-BS	-	-	-	250	YFB250, F Timber Wolf	'92-'00	-	-	YB12C-A	-
	Sportsman X2	'10-'11	YTX20HL-BS	-	-	-		YFM25 Bear Tracker	'99-'04	YTX14AH-BS *	-	YB14A-A2	-
600	Sportsman	'04-'05	YIX30L-BS *	-	YB30L-B	-		YFM250 Moto 4	'89-'91	YTX14AH-BS *	-	YB14A-A1	-
700	Sportsman, Military	'02-'08	YIX30L-BS *	-	YB30L-B	-		YFM250 Big Bear	'07-'10	YTX14AH-BS *	-	YB14A-A2	-
	Sportsman	'-10	YIX30L-BS	-	-	-		YFM25B Bruin	'05-'06	YTX14AH-BS *	-	YB14A-A2	-
800	Sportsman	'05-'11	YIX30L-BS	-	-	-		YFM25R Raptor, R	'08-'11	YTZ7S	-	-	-
850	Sportsman	'-09	YIX30L * F/A	-	-	-	350	YFM35B Bruin	'04-'06	YTX14AH-BS	-	-	-
	Sportsman	'10-'11	YTX20HL * F/A	-	-	-		YFM35ER Moto 4	'87-'95	YTX14AH-BS *	-	YB14A-A1	-
QIANJIANG													
100	ATV100	All	-	YTX4L-BS	-	-		YFM35F, U Big Bear	'87-'99	YTX14AH-BS *	-	YB14A-A1	-
50	ATV50	All	-	YTX4L-BS	-	-		YFM35FX Wolverine	'95-'05	-	-	YB12C-A	-
SUZUKI													
50	LT-Z50 QuadSport	'06-'11	YTZ7S *	YTX5L-BS	-	-		YFM35FX Wolverine	'06-'10	YTX14AH-BS	-	-	-
80	LT80 QuadSport 80	'87-'06	YTZ7S *	YTX5L-BS	-	-		YFM35G FG Grizzly	'07-'11	YTX14AH-BS	-	-	-
90	LT-Z90 QuadSport	'07-'11	-	YTX7A-BS	-	-		YFM35R Raptor	'04-'11	YTZ10S	-	-	-
160	LT160 E QuadRunner	'89-'94	-	-	YB9A-A	-		YFM35U Big Bear	'87-'99	YTX14AH-BS *	-	YB14A-A1	-
160	LT160 E QuadRunner	'03-'04	-	-	YB9A-A	-		YFM35X Warrior	'87-'03	-	-	YB12C-A	-
	LT-F160 QuadRunner	'91-'01	-	-	YB9A-A	-		YFP35 TerraPro	'88	YTX14AH-BS *	-	YB14A-A1	-
230	LT230E QuadRunner	'87	Not available	-	-	-	400	YFM40FB Big Bear	'00-'11	YTX20HL-BS *	YTX20L-BS	-	-
	LT230E QuadRunner	'88-'93	-	YTX12-BS	-	-		YFM40FG Grizzly	'07-'08	YTX14AH-BS	-	-	-
	LT230GE QuadRunner	'85-'86	-	-	YB10A-A2	-		YFM40FW Kodiak	'93-'95	YTX14AH-BS	-	YB14A-A1	-
								YFM40FW Kodiak/Automatic	'03-'06	YTX14AH-BS	-	-	-
								YFM40FW Kodiak/Automatic	'96-'02	YTX20HL-BS *	YTX20L-BS	-	-
								YFM400FWN Big Bear	'00-'03	YTX20HL-BS *	YTX20L-BS	-	-

* See Battery Upgrade Cross Reference Chart on page 9.
K Available at Kawasaki dealers only.

FA Must use Factory Activated battery.



ALL TERRAIN VEHICLE (ATV) APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
YAMAHA (continued)													
450	YFM45FG Grizzly	'07-'11	YTX14AH-BS *	-	-	-							
	YFM45FX Wolverine	'03-'10	YTX20HL-BS *	YTX20L-BS	-	-							
450	YFZ450	'04-'09	-	Y77B-BS	-	-							
	YFZ450X	'-08	-	Y77B-BS	-	-							
	YFZ450R, X	'09-'11	YTZ7S	-	-	-							
550	YMF55FG Grizzly	'-11	YTX20HL-BS *	YTX20L-BS	-	-							
600	YFM600FW Grizzly	'98-'01	YTX20HL-BS *	YTX20L-BS	-	-							
	YFV600FW Grizzly	'98-'01	YTX20HL-BS *	YTX20L-BS	-	-							
660	YFM66FA Grizzly	'02-'08	YTX20HL-BS *	YTX20L-BS	-	-							
	YFM66R Raptor	'01-'05	YTX14H-BS *	YTX14-BS	-	-							
700	YFM7FG Grizzly	'07-'11	YTX20HL-BS *	YTX20L-BS	-	-							
	YFM70R Raptor	'06-'11	-	YT9B-BS	-	-							



PERSONAL WATERCRAFT (PWC) APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	
AQA-JET CO.							KAWASAKI (JET SKI) (continued)							
430	Aqua-Jet SX1	'91	-	-	YB16-B	-	750	JS750 SXi, SXi Pro	'95-'02	YTX20HL-BS *	YTX20L-BS	-	-	
432	Aqua-Jet Sx1	'89-'90	-	-	YB16-B	-		JT750 STS, STX	'96-'98	YTX20HL-BS *	YTX20L-BS	-	-	
ARCTIC CAT								800	JS800 SX-R	'03-'11	YTX20HL-BS *	YTX20L-BS	-	-
640	Tiger Shark	'97-'99	YTX14AHL-BS *	-	YB14L-A2	-	900	JH900 ZXi	'95-'97	YTX20HL-BS *	YTX20L-BS	-	-	
770	Tiger Shark	'97-'99	YTX14AHL-BS *	-	YB14L-A2	-		JT900 STS, STX	'97-'05	YTX20HL-BS *	YTX20L-BS	-	-	
BRP (SEA DOO)								1100	JH1100 ZXi	'96-'03	YTX20HL-BS *	YTX20L-BS	-	-
1500	GTI, GTX, RXP, RXT, WAKE	'-11	-	-	YB30CL-B	-		JH1100-B Ultra 130	'01-'04	YTX20HL-BS *	YTX20L-BS	-	-	
1500	GTX 4-Tec, RXP	'03-'07	-	-	YB30CL-B	-		JT1100 STX	'97-'03	YTX20HL-BS *	YTX20L-BS	-	-	
	All Models	'88-'93	YTX20HL-BS *	YTX20L-BS *	YB16L-B	-	1200	JH1200-A, B Ultra 150	'99-'05	YTX20HL-BS *	YTX20L-BS	-	-	
	All Other Models	'94-'07	YTX20HL-BS-PW *	-	YB16CL-B	-		JT1200-A-B, C, STX-R, STX-15F	'02-'07	YTX20HL-BS *	YTX20L-BS	-	-	
780	3D	'-07	YTX20HL-BS-PW *	-	YB16CL-B	-	1500	JT1500-A, STX, STX-15F	'04-'11	YTX20HL-BS *	YTX20L-BS	-	-	
HONDA									JT1500B, C, 250X, Ultra LX, 260(L)X, 300(L)X	'07-'11	YTX20HL-BS *	YTX20L-BS	-	-
1235	AquaTrax F/R-12, F/R-12X	'02-'09	YTX20HL-BS *	YTX20L-BS	-	-	POLARIS							
1470	AquaTrax F-15, F-15X	'03-'10	YTX20HL-BS *	YTX20L-BS	-	-	All	All Models	All	YTX20HL-BS-PW *	-	YB16CL-B	-	
KAWASAKI (JET SKI)							S.O.S. MARINE MFG							
300	JS300 TS, SX	'86-'91	YTX20HL-BS-PW *	-	YB16CL-B	-	All	All Models	All	YTX20H-BS *	YTX20-BS *	YB16-B-CX *	YB16-B	
400	JS400	'76	YTX20HL-BS *	YTX20L-BS *	YB16L-B	-	ULTRANAUTICS							
440	JS440	'87-'92	YTX20HL-BS-PW *	-	YB16CL-B	-	800	All Models	'87-'92	-	-	53030	-	
	JS440	'77-'86	YTX20HL-BS *	YTX20L-BS *	YB16L-B	-		Wet Bike	'85-'86	-	-	-	YHD-12H	
550	JS550	'82-'85	YTX20HL-BS *	YTX20L-BS *	YB16L-B	-	1250	Jet Star1250 (Boat)	'88-'90	-	-	53030	-	
	JS550, SX	'86-'95	YTX20HL-BS-PW *	-	YB16CL-B	-		Jet Star1250 (Boat)	'91	-	-	53030	-	
650	JF650 TS	'89-'96	YTX20HL-BS-PW *	-	YB16CL-B	-	WET JET INTERNATIONAL							
	JF650 X2	'86-'95	YTX20HL-BS-PW *	-	YB16CL-B	-	All	All Models	All	YTX20H-BS *	YTX20-BS *	YB16-B-CX *	YB16-B	
	JL650 SC	'91-'95	YTX20HL-BS-PW *	-	YB16CL-B	-	YAMAHA							
	JS650 SX	'87-'95	YTX20HL-BS-PW *	-	YB16CL-B	-	All	All Wave Runner Models	'87-'08	YTX20HL-BS-PW*	-	YB16CL-B	-	
750	JH750 B1-b3	'93-'95	YTX20HL-BS-PW *	-	YB16CL-B	-	700	Superjet	'09-'11	YTX20HL-BS-PW *	-	YB16CL-B	-	
	JH750 E1,F2, G1, G2	'95-'99	YTX20HL-BS *	YTX20L-BS	-	-	1100	VX	'09-'11	YTX20HL-BS-PW *	-	YB16CL-B	-	
	JH750 SS,ST, Xi, XiR	'92-'99	YTX20HL-BS-PW *	-	YB16CL-B	-	1800	FX, FZ	'09-'11	YTX20HL-BS-PW *	-	YB16CL-B	-	
	JH750 ST, Zxi	'95-'97	YTX20HL-BS *	YTX20L-BS	-	-								
	JH750 SX,ZX	'92-'95	YTX20HL-BS-PW *	-	YB16CL-B	-								
	JS750 SX, Zx	'92-'95	YTX20HL-BS-PW *	-	YB16CL-B	-								

* See Battery Upgrade Cross Reference Chart on page 9.

SNOWMOBILE APPLICATIONS



cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
ARCTIC CAT							ARTIC CAT (continued)						
1056	Z1, T Z1	'01-'11	YTX20H-BS	-	-	-	Prowler	'90-'93	YTX14AH-BS *	-	YB14L-A2	-	
800	F8 LXR	'07-'11	YTX20H-BS	-	-	-	Prowler 2-Up	'95	YTX20H-BS *	YTX20-BS *	YB18-A	-	
570	F570, T570, Bearcat	'08-'11	-	-	YB18-A	-	Prowler Special	'91-'92	YTX20H-BS *	YTX20-BS *	YB18-A	-	
500	F5 LXR	'07-'11	-	-	YB18-A	-	Puma	'94-'96	YTX14AH-BS *	-	YB14-A2	-	
	4 Stroke Trail, Touring	'02-'03	YTX24HL-BS *	-	Y50-N18L-A-CX	-	Sabercat 500	'04-'06	YTX20H-BS *	YTX20-BS *	YB18-A	-	
	Bearcat 340,440	'95-'00	YTX14AH-BS *	-	Y50-N18L-A-CX	-	Sabercat 600, 700	'04-'06	YTX24HL-BS *	-	Y50-N18L-A-CX	-	
	Bearcat 570	'04-'09	YTX24HL-BS *	-	Y50-N18L-A-CX	-	T660 Touring	'04-'06	YTX24HL-BS *	-	Y50-N18L-A-CX	-	
	Bearcat WT Turbo	'06-'07	YTX24HL-BS	-	-	-	T660 Turbo	'04-'07	YTX24HL-BS	-	-	-	
	Bearcat WT	'05-'07	YTX24HL-BS	-	-	-	T660 Turbo Touring	'04-'07	YTX24HL-BS	-	-	-	
	Bearcat WT	'03-'04	YTX24HL-BS *	-	Y50-N18L-A	-	Thundercat	'97-'02	YTX20H-BS *	YTX20-BS *	YB18-A	-	
	Bearcat WT	'95-'02	YTX20H-BS *	YTX20-BS *	YB18-A	-	Wildcat (EFI)	'95-'96	-	-	YB7-A *	12N7-4A	
	Cheetah	'91-'93	YTX14AH-BS *	-	YB14L-A2	-	Wildcat (EFI)	'93	-	-	YB16L-B	-	
	Cheetah	'86-'90	-	-	YB16L-B	-	Wildcat MC	'94	-	-	YB7-A *	12N7-4A	
	Cougar	'95-'98	YTX20H-BS *	YTX20-BS *	YB18-A	-	Wildcat Touring	'95-'96	-	-	YB7-A *	12N7-4A	
	Cougar	'91-'94	YTX14AH-BS *	-	YB14L-A2	-	Z	'98-'01	YTX14AH-BS *	-	YB14-A2	-	
	Cougar	'85-'90	-	-	YB16L-B	-	Z 370, 440	'02-'07	YTX14AH-BS *	-	YB14-A2	-	
	Crossfire 500	'07	YTX20H-BS	-	-	-	Z 570	'02-'08	YTX24HL-BS *	-	Y50-N18L-A-CX	-	
	Crossfire 600	'06-'07	YTX20H-BS	-	-	-	ZL 500	'02	YTX20H-BS *	YTX20-BS *	YB18-A	-	
	Crossfire 700	'06	YTX20H-BS	-	-	-	ZL 550, 600	'02-'03	YTX20H-BS *	YTX20-BS *	YB18-A	-	
	El Tigre 5000	'87-'88	YTX14AH-BS *	-	YB14L-A2	-	ZL 800	'02-'03	YTX24HL-BS *	-	Y50-N18L-A-CX	-	
	EXT	'95-'97	-	-	-	12N7-4A	ZR (EFI)	'95-'96	-	-	YB7-A *	12N7-4A	
	EXT	'92-'94	YTX14AH-BS *	-	YB14L-A2	-	ZR 500, 600	'01-'02	YTX20H-BS *	YTX20-BS *	YB18-A	-	
	EXT	'89-'91	-	-	YB16L-B	-	ZR 800	'02-'03	YTX24HL-BS *	-	Y50-N18L-A-CX	-	
	EXT (Carb)	'95-'96	YTX20H-BS *	YTX20-BS *	YB18-A	-	ZR 900	'03-'06	YTX24HL-BS *	-	Y50-N18L-A-CX	-	
	EXT (EFI)	'98	YTX20H-BS *	YTX20-BS *	YB18-A	-	ZRT	'97-'02	YTX20H-BS *	YTX20-BS *	YB18-A	-	
	EXT (EFI)	'95-'97	-	-	-	12N7-4A							
	EXT 600	'97-'98	YTX20H-BS *	YTX20-BS *	YB18-A	-	BRP – SKI-DOO						
	EXT Dix (EFI)	'97-'98	YTX24HL-BS *	-	Y50-N18L-A-CX	-	All 4-stroke	'03	YTX24HL-BS	-	-	-	
	EXT Special	'91-'92	YTX14AH-BS *	-	YB14L-A2	-	All Models	(Thru)'98	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	F6, F8, F1000	'07-'09	YTX20H-BS	-	-	-	CK3 Types	'99-'03	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	F5	'07-'09	YTX20H-BS *	YTX20-BS *	YB18-A	-	Elite	'04-'06	YIX30L-BS	-	-	-	
	Firecat	'03-'06	YTX24HL-BS *	-	Y50-N18L-A-CX	-	ZX Types	'99-'01	-	YTX15L-BS	-	-	
	Jag AFS	'89-'91	YTX14AH-BS *	-	YB14L-A2	-	ZX Types	'02-'03	YTX20HL-BS *	YTX20L-BS	-	-	
	Jag AFS L/T	'89-'93	YTX14AH-BS *	-	YB14L-A2	-	300 Skandic	'10	YTX20HL F/A *	YTX20L F/A	-	-	
	Jag Liquid	'96	YTX14AH-BS *	-	YB14-A2	-	550 Expedition, Freestyle, Skandic	'05-'10	YTX20HL F/A *	YTX20L F/A	-	-	
	Jag Z	'94	YTX14AH-BS *	-	YB14-A2	-	600 GSX, GTX, MX Z	'07-'10	YTX20HL F/A *	YTX20L F/A	-	-	
	Jag Z	'93	YTX14AH-BS *	-	YB14L-A2	-	600 Expedition, Skandic, Summit	'06-'11	YTX20HL F/A *	YTX20L F/A	-	-	
	Jag, Jag Dix	'94-'99	YTX14AH-BS *	-	YB14-A2	-	Grand Touring, Renegade	'04-'11	YTX20HL F/A *	YTX20L F/A	-	-	
	Jag, Jag Dix	'85-'93	YTX14AH-BS *	-	YB14L-A2	-	GSX, GTX	'04-'11	YTX20HL F/A *	YTX20L F/A	-	-	
	Jaguar	'07	YTX20H-BS	-	-	-	800 Expedition, Legend, Skandic	'07-'11	YTX20HL F/A *	YTX20L F/A	-	-	
	King Cat 900	'04-'06	YTX24HL-BS *	-	Y50-N18L-A-CX	-	Renegade, Summit	'04-'11	YTX20HL F/A *	YTX20L F/A	-	-	
	Lynx	'91-'93	YTX14AH-BS *	-	YB14L-A2	-	1000 GSX, MX Z	'04-'11	YTX20HL F/A *	YTX20L F/A	-	-	
	M 5	'05-'06	YTX20H-BS	-	-	-	1200 Expedition, Legend, Skandic	'03-'06	YTX24HL F/A	-	-	-	
	M 6	'05-'07	YTX20H-BS	-	-	-	Grand Touring, GSX, GTX, MX Z	'10-'11	YTX20HL F/A	-	-	-	
	M 7	'05-'06	YTX20H-BS	-	-	-		'09-'11	YTX20HL F/A	-	-	-	
	Mountain Cat	'01	YTX20H-BS *	YTX20-BS *	YB18-A	-	KAWASAKI						
	Mountain Cat 500	'02	YTX20H-BS *	YTX20-BS *	YB18-A	-	All Models	All	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	Mountain Cat 570	'02-'04	YTX24HL-BS *	-	Y50-N18L-A-CX	-							
	Mountain Cat 600	'02-'04	YTX20H-BS *	YTX20-BS *	YB18-A	-	POLARIS						
	Mountain Cat 800	'02-'04	YTX24HL-BS *	-	Y50-N18L-A-CX	-	All EFI (RXL, 500 EFI)	'93-'97	-	-	YB9A-A	-	
	Mountain Cat 900	'03-'04	YTX24HL-BS *	-	Y50-N18L-A-CX	-	All Electric Start Kits	'85-'93	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	Mountain Cat 1000	'02	YTX20H-BS *	YTX20-BS *	YB18-A	-	All Electric Start Kits	'94-'05	YTX14AH-BS *	-	YB14A-A2	-	
	Pantera	'99-'01	YTX20H-BS *	YTX20-BS *	YB18-A	-	All Other Model	'92-'05	YTX14AH-BS *	-	YB14A-A2	-	
	Pantera	'95-'98	YTX24HL-BS *	-	Y50-N18L-A-CX	-	Indy, Indy Trail	'84-'91	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	Pantera	'94	YTX20H-BS *	YTX20-BS *	YB18-A	-	Sprint (Electric Start)	'86-'90	-	-	Y60-N24-A	-	
	Pantera	'86-'93	YTX14AH-BS *	-	YB14L-A2	-	500 Wide Track	'89-'11	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A	
	Pantera	'80-'85	-	-	YB16L-B	-	544 Trail, Trail Touring	'09	YTX14AH-BS *	-	YB14A-A2	-	
	Pantera 550, 600	'02-'05	YTX20H-BS *	YTX20-BS *	YB18-A	-	550 IQ, LXT, Shift	'11	YTX20HL-BS *	YTX20L-BS	Y50-N18L-A-CX *	Y50-N18L-A	
	Pantera 800	'02-'04	YTX24HL-BS *	-	Y50-N18L-A-CX	-	600 IQ Touring	'08	YTX14AH-BS *	-	-	-	
	Panther	'94-'96	YTX14AH-BS *	-	YB14L-A2	-	Rush, IQ, shift, Switchback	'09-'11	YTX20HL-BS *	YTX20L-BS	-	-	
	Panther	'89-'93	YTX14AH-BS *	-	YB14L-A2	-	750 Wide Track	'10-'11	YIX30L	-	-	-	
	Panther	'80-'88	-	-	YB16L-B	-	FS/FST, Wide Track	'06-'10	YTX20HL-BS *	YTX20L-BS	-	-	
	Panther 340	'97-'00	YTX14AH-BS *	-	YB14-A2	-	Turbo Switchback, Turbo Dragon	'06-'10	YTX20HL-BS *	YTX20L-BS	-	-	
	Panther 370	'01-'07	YTX14AH-BS *	-	YB14-A2	-	800 Turbo LX, IQ	'08-'11	YTX20HL-BS *	YTX20L-BS	-	-	
	Panther 440	'97-'03	YTX14AH-BS *	-	YB14-A2	-	FS Wide Track	'10-'11	YIX30L	-	-	-	
	Panther 550	'97-'01	YTX20H-BS *	YTX20-BS *	YB18-A	-	Rush, RMK, Pro, Assailt, SWBK	'11	YTX20HL-BS *	YTX20L-BS	-	-	
	Panther 570	'02-'07	YTX24HL-BS *	-	Y50-N18L-A-CX	-							
	Panther 660	'06-'07	YTX24HL-BS *	-	Y50-N18L-A-CX	-							
	Powder Extreme	'97-'98	YTX20H-BS *	YTX20-BS *	YB18-A	-							
	Powder Special	'95-'97	YTX20H-BS *	YTX20-BS *	YB18-A	-							
	Prowler	'94	-	-	YB7-A *	12N7-4A							

* See Battery Upgrade Cross Reference Chart on page 9.
 FA Must use Factory Activated battery



SNOWMOBILE APPLICATIONS

cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional	cc	Model	Year	High Performance Maintenance Free	Maintenance Free VRLA	YuMicron	Conventional
YAMAHA							570	EX570E Exciter	'88-'90	-	-	YB16AL-A2	-
80	SV80E Sno-Scout	'88-'90	-	-	YB7L-B *	12N7-3B	EX570E Exciter II LE	'91-'93	-	-	YB16AL-A2	-	
125	SV125E Sno-Sport	'90-'91	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	600	VT600 Venture 600	'97-'98	-	-	YB16AL-A2	-
300	CF300 Inviter	'86-'90	-	-	YB16AL-A2	-	VT600 Venture 600	'99-'06	YTX24HL-BS *	-	-	Y50-N18L-A-CX *	Y50-N18L-A
340	CS340 Ovation Deluxe/LE	'89-'98	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	VX600DX Vmax 600 Deluxe	'99-'01	YTX24HL-BS *	-	-	Y50-N18L-A-CX *	Y50-N18L-A
	EC340 Excel III	'81-'88	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	VX600E/DX Vmax 600 LE/DX	'94-'96	-	-	-	YB16AL-A2	-
	ET340E Enticer	'79	YTX24HL-BS *	-	Y50-N18L-A-CX *	12N14-3A	VX600ER Vmax 600 ER	'02-'03	YTX24HL-BS *	-	-	Y50-N18L-A-CX *	Y50-N18L-A
	ET340E Enticer	'80	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	VX600XTC Vmax 600 XTC	'97-'98	-	-	-	YB16AL-A2	-
480	PZ480E Phazer Deluxe	'84-'89	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	700	SVX700ER Viper ER	'02-'05	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A
	PZ480E Phazer Deluxe	'90-'98	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	VT700 Venture 700	'98-'04	YTX24HL-BS *	-	-	Y50-N18L-A-CX *	Y50-N18L-A
	VT480 Venture GT	'92-'93	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	VX700DX Vmax 700 Deluxe	'99-'00	YTX24HL-BS *	-	-	Y50-N18L-A-CX *	Y50-N18L-A
	VT480 Venture GT	'91-'97	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	VX700ER Vmax 700 ER	'01-'02	YTX24HL-BS *	-	-	Y50-N18L-A-CX *	Y50-N18L-A
	VT480TR Venture TR Electric	'98	YTX14AHL-BS *	-	YB14L-A2 *	12N14-3A	VX700XTC Vmax 700 XTC Deluxe	'98	YTX24HL-BS *	-	-	Y50-N18L-A-CX *	Y50-N18L-A
500	Phazer	'11	YTX14H-BS *	YTX14-BS	-	-	973	Vector	'09	YTX20HL-BS *	YTX20L-BS	-	-
	Venture Lite	'11	YTX14H-BS *	YTX14-BS	-	-		Viking	'09	YTX20HL-BS *	YTX20L-BS	-	-
	PZ500DX Phazer 500 Deluxe	'01	-	-	YB16AL-A2	-	1000	Apex	'06-'11	YTX14H-BS *	YTX14-BS	-	-
	VT500 Venture 500	'97-'01	-	-	YB16AL-A2	-		RS1000S, GT, RS		YTX20HL-BS *	YTX20L-BS	-	-
	VT500 Venture 500 XL	'99-'00	-	-	YB16AL-A2	-	1049	RX1000R RX (All Models)	'03-'05	YTX20HL-BS *	YTX20L-BS	-	-
	VX500E Vmax	'94-'01	-	-	YB16AL-A2	-		FX Nitro	'11	YTX20HL-BS *	YTX20L-BS	-	-
540	EC540 Excel	'79-'80	YTX24HL-BS *	-	Y50-N18L-A-CX *	Y50-N18L-A		RS Venture	'11	YTX20HL-BS *	YTX20L-BS	-	-
	VK540E, II, III	'89-'03	-	-	YB16AL-A2	-		RS Vector	'11	YTX20HL-BS *	YTX20L-BS	-	-
	XL540 XLV	'85-'90	-	-	YB16AL-A2	-		RS Viking professional	'09-'11	YTX20HL-BS *	YTX20L-BS	-	-

* See Battery Upgrade Cross Reference Chart on page 9.

JAPANESE TRACTOR APPLICATIONS



MODEL	BATTERY ■	MODEL	BATTERY ■
HONDA EU3000is (Generator) EX4000 (Generator) EX4500 (Generator) H6522	YTX9-BS YB18L-A * YB18L-A * 55B24L(S)	KUBOTA (continued) B7200 F150S, F260S, F300S G1800, G1900 G3200, G4200, G5200 T1600 T1640 T1700X	46B24L(S) 46B24L(S) 55B24L(S) 40B19L(S) 40B19L(S) 55B24L(S) 40B19L(S)
ISEKI TU1400, TU1500 TU1600, TU1700 TU1900, TU2100 TX1000, TX1210 TX1300, TX1410 TX1500, TX1510	46B24R 46B24R 46B24R 46B24R 46B24R 46B24R	mitsubishi D1500, D2000 D2300, D2350 D2600, D2650 D3250 M1301 NS60 S630 ST1500, ST1510 ST1520, ST1550 ST2001, ST2300	46B24R 46B24R 46B24R 46B24R 46B24R 46B24R 46B24R 46B24R 46B24R
KAWASAKI GD700-A52-700C GE5000-ASI 5000cc	YTX4L-BS 40B19L(S)	YANMAR YM122, YM146 YM155, YM165 YM180D, YM187	46B24R 40B19L 46B24R
KUBOTA ADT70S (Tiller) B1550, B1750 B20, B2150, B4200 B5100 B5200 B6100 B6200, B7100	YB14-A2 * 55B24L(S) 55B24L(S) 40B19L(S) 55B24L(S) 46B24L(S) 55B24L(S)		

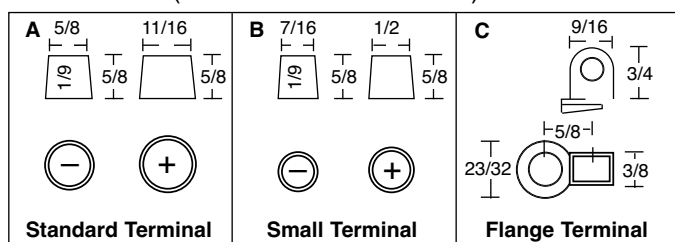
■ See 12 Volt Import Specialty Battery Specifications above.

JAPANESE TRACTOR BATTERY SPECIFICATIONS

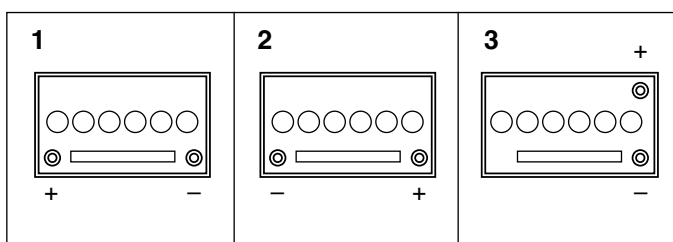
Yuasa Type	Old Reference Number (Discontinued)	Plate/Cell	Capacity AH ▲ (5 hr)	Capacity AH ▲ (20 hr)	Cranking Performance ▲ (Amps 0°F)	Reserve Capacity Minutes (80°F)	Overall Dimensions			Shipping Weight Dry (lbs.)	Volume of Acid (oz.)	Charging Current (Amp)	See Key	
							L (inches)	W (inches)	H (inches)				Terminal	Layout
* 36B20L(S)	40B19L(S)NS40ZL(S)	9	28	35	275	52	7 3/4	5 1/16	8 15/16	17.9	84.6	3.5	A	2
46B24R	NS60	13	36	45	330	75	9 3/8	5 1/16	8 15/16	20.1	109.0	4.5	B	1
* 46B24L(S)	NX60L(S)	13	36	45	330	75	9 3/8	5 1/16	8 15/16	20.1	109.5	4.5	A	2
36B20L	40B19L/NS40ZL	9	28	35	275	52	7 3/4	5 1/16	8 15/16	17.9	91.7	3.5	B	2
* 55B24L(S)	NX100S6L(S)	13	36	45	410	70	9 3/8	5 1/16	8 15/16	21.3	109.3	4.5	A	2
115F51	N120	21	96	120	420	240	19 7/8	7 3/16	10 1/8	48.7	317.4	12.0	A	3
145F51	NS150	25	120	150	760	296	19 7/8	7 3/16	10 1/8	56.2	370.3	14.0	A	3

▲ Figures are based on JIS/SAE specifications and reference only.

TERMINALS (Measurements in inches)



BATTERY LAYOUTS



* (S) Signifies Standard Terminal

Battery Chargers

Yuasa MB-2040

Part No. YUA1202040



- High Output charging current (4 amps)
- High Voltage capable (20 volts) – designed to improve recovery of sulfated batteries
- Switchable Mode operation
 - “Fast Mode” – for quick vehicle set-up
 - “Normal Mode” – ideal for smaller batteries, initial activation, and deeply discharged batteries
- Commercial Grade – perfect for Dealer / Shop use
- Suitable for all battery types – Conventional, as well as MF (AGM), including YTZ
- Automatic Shut-Off
- Reverse Polarity Protection / Spark-free Operation (UL / CUL) approved
- Durable construction for longer life
- 3 year limited warranty

Yuasa SmartShot Automatic 6/12V 1.5 Amp 5 Stage Battery Charger

Part No. YUA1201501

Yuasa’s Automatic 6/12V 1.5 Amp battery charger incorporates superior 5 stage charging technology. This high power unit provides error proof operation to fully charge sealed maintenance free and conventional lead acid batteries.

- Provides up to 16 volts (in 12 volt mode)
- Enables recover of sulfated batteries during pre-qualification stage
- 28-day charge recycle – re-revaluates battery status for long term storage



Yuasa SmartShot 900 Automatic 12V 900mA Battery Charger

Part No. YUA1200901



Yuasa’s Automatic 900mA 12V battery charger is the industry’s most powerful plug-in wall charger. Combining the latest technology and a host of user-friendly features, this compact, high power unit provides optimum amperage return and is designed to fully charge and maintain conventional and sealed maintenance free batteries.

- Fully charge and maintain conventional and sealed maintenance-free batteries
- Fully automatic 3 level charge cycle for effective charging
- Reaches 14.4 volt peak, then automatically switches to float

Battery Accessories



Jumper Cables

Part No. YUA00ACC07

- Easy to use, easy to store
- Convenient storage bag
- Heavy duty, 8 ft., 8-gauge cables won't stiffen or freeze
- Tangle resistant, encased rubber grips for safer use



10-Bank Battery Maintainer

Part No. YUA120027

- Maintain up to 10 batteries at a time
- 5-stage maintenance / float charge
- Prequalification battery test
- Built-in timer for battery protection

Battery Tester

Part No. YUA00BTY01

- Developed exclusively for the Powersports industry
- Determines accurate battery status in seconds
- Single load, dynamic resistance technology minimizes battery drain during test
- Tests both charged and discharged batteries accurately
- 1 year limited warranty



With Protective Rubber Boot & Amp Hr Guide



Battery Accessory Lead and Fused Ring Connectors

Part No. YUA00ACC04

- Simple, quick connection
- Can be used with Yuasa's 1.5 Amp and 900 mA chargers for applications ranging from motorcycles, automobiles and personal watercraft to ATVs, snowmobiles and riding mowers

Battery Analyzer

Part No. YUA00ACC06

- Easy installation
- Shows battery condition at the push of a button
- Offers the confidence of knowing when your battery is fully charged



Merchandising Aids



Yuasa High Performance Battery Display

Part No. YUASARACK

- 37" wide x 62" high x 15" deep
- Displays high performance batteries attractively and professionally
- Heavy-duty construction designed for extra heavy loads
- High visibility double-sided display includes header and application chart
- No tools required for assembly (except for optional wheels)
- Includes optional wheels and shelf liners

Note: Actual product design is subject to change.



Yuasa Battery Rack and Header

Part No. 60052

- 24" wide x 48" high x 10" deep
- Displays batteries attractively and professionally
- Heavy-duty steel construction designed for heavy loads
- Attention-getting silk-screened header
- Easily assembled – no tools
- Great sales and promotional tool

Note: Actual product design is subject to change.

Yuasa Battery Counter Mat

Part No. YUA-016

- Colorful counter mat puts battery replacement applications at your finger tips.
- 23" wide x 16" high
- Printed on durable material.

Note: Actual product design is subject to change.

Yuasa Batteries 3' x 5' Banner

Part No. YUA-928

- Eye-catching contemporary graphics
- High-quality silk screening won't fade or crack
- Made to last: weather-resistant, brass grommets and stitched edges
- Durable enough for outside use – attractive enough for inside!

Note: Actual product design is subject to change.



Call for additional Merchandising Aids

Battery Features

Patented Sealed Post

prevents acid seepage, reduces corrosion, extends battery life

Safety Valve Flame/Arrestor

relieves excess pressure

Thru-Partition Construction

provides shorter current path with less resistance than “over the partition” construction, so you get more cranking power when you need it

Special Active Material

compounded to withstand vibration, prolong battery life and dependability

Special Grid Design

withstands severe vibration, assures maximum conductivity

Heat Sealed Case to Cover

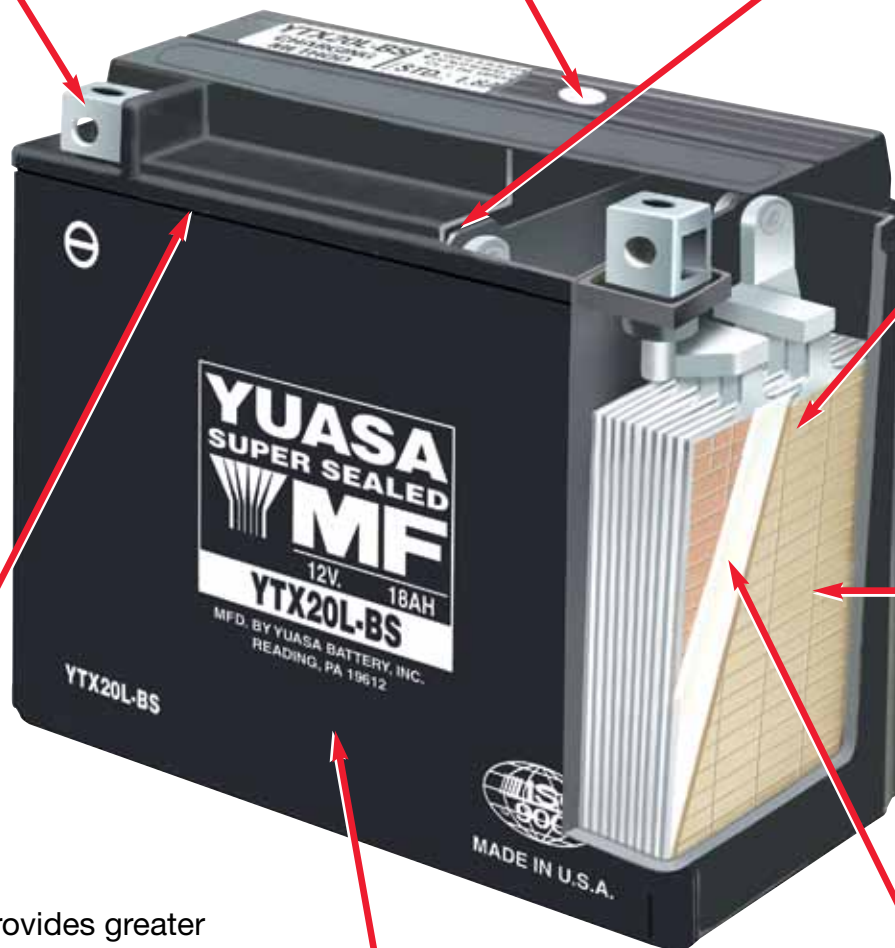
bonded unit provides greater strength; protects against seepage and corrosion

Polypropylene Cover and Container

assures reserve electrolyte capacity for cooler operating temperatures; provides greater resistance to gas and oil; withstands higher impact in extreme weather conditions

Special Separator

makes the battery spill-proof. Valve regulated design eliminates water loss and the need to refill with acid





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