

Instructions and Precautions for the use and storage of BikeMaster TruGel Batteries



Congratulations! You have purchased the most advanced motorcycle battery available on the market today. The BikeMaster TruGel battery uses superior "Nano Gel Technology" applied to the gel acid medium and special construction techniques to give you longer service life, greater cranking amps, longer storage ability, operation at higher and lower temperatures, vibration resistance, leak resistance, all in an affordable maintenance free package. And, you know you have the BikeMaster Brand standing behind the quality with an industry leading 24 month warranty against defects in materials or workmanship.

Please read the following closely, and follow the instructions to get the maximum out of your new battery. If you do, you can be assured of a long and reliable service life, far exceeding other batteries in the market.

Warning!

Failure to follow ALL these instructions could lead to property damage, serious bodily injury, or even death.

TruGel batteries are designed to be maintenance-free, leak-free and sulphation-free. Do NOT remove the acid from the battery, and do NOT use the acid for any purpose other than that for which it was originally intended. Sulfuric Acid WILL CAUSE SEVERE BURNS if it comes in contact with your body or clothing; do NOT allow the acid to come in contact with your skin. If it should, first flush the area with copious amounts of water then seek immediately medical attention. If you are not a certified Powersports Technician, or a very experienced and knowledgeable expert, it is highly recommended that you seek the assistance of such an individual. Failure to install the battery correctly, could lead to damage to your machine, its electronics, and or charging system. It could also lead to failure of the electrical systems of your machine, leaving you in a potentially dangerous situation with no power. Please take great care, follow the instructions carefully, and take every precaution to protect yourself (use safety glasses and acid resistant gloves) and your machine. Batteries also contain Lead. Every precaution should be exercised in the use and disposal of this metal. Return old batteries to your dealership or a State authorized recycler.

Installation:

1. The first thing you should do before installing the battery is check its voltage level. It is very important to battery life to make sure the battery is in a good state of charge before using it. With a quality voltmeter (available from BikeMaster), check to make sure that the starting voltage is between 12.6 and 13.15 volts. If the reading is outside this range, please contact your battery dealer.
2. Before fitment, make SURE that the battery matches the size, voltage and capacity that the original manufacturer specified for your machine. This is critical, and replacing a battery with one which doesn't have sufficient capacity, will result in early failure of the battery.
3. Turn off all electrical switches and the ignition of the motorcycle. Make sure that you install the battery cables with the correct polarity AND that they are sufficiently tightened so that they can not become loose; this could lead to your machine becoming inoperable and a loose connection could damage sensitive electronics on it due to arcing. It is a good idea to use a high quality battery terminal protector, either in spray form or felt washers. These will protect the battery terminal from corrosion and thus from low/no voltage conditions.
4. Never put a battery in a sealed container or plastic bag, as this can lead to a build up of highly flammable Hydrogen gas. The battery MUST be able to vent correctly to insure a safe and long battery life.
5. Avoid high heat sources, like direct sunlight, or exhaust systems, as this can lead to a shortened life.
6. Avoid contact with any corrosive solvents or other "corrosive" materials that could damage the casing of the battery.
7. While BikeMaster TruGel batteries are far more vibration resistant than standard wet batteries, they are not indestructible. Severe vibrations, impacts, and shock loading (such as a fall) could lead to damage, and should be avoided.

Storage:

This BikeMaster TruGel Battery should be stored in a dry, clean, ventilated location. It should be protected from severe hot or cold temperatures. It is recommended that the battery be charged every three months during prolonged storage periods. If the ambient temperature of the storage location is between 68°F and 86°F (20°C to 30°C), the battery should be recharged every four months. If the storage temperature is below 68°F (20°C), then the battery can be recharged every 8 months. Fully charge the battery before storage.

Precautions:

As with all electrical equipment, and especially batteries of any type, keep them out of the reach of children. Also make sure that the battery is not exposed to sparks or naked flames while charging the battery. Never overcharge the battery above the recommended voltage. Always recycle batteries!

Recharging:

Recharge the battery if the voltage drops below 12.6 volts. Normally, the battery will read between 13.10 and 13.15 volts at full charge. Under normal conditions, the BikeMaster TruGel batteries will recharge in 10 hours using the normal charging current. If you are using a "Smart Charger", please refer to the manufacturers instructions for their charger and this type of battery.

BikeMaster 12 Volt TruGel Motorcycle Battery Specifications

Part #	Model No.	capacity	Dimensions(±1mm)				Weight (kg)	Normal Charging Current (amps)	Maximum Charging Current (amps)	CCA (-18°C)	Assembly Figure
			L	W	H	HL					
78-0500	MG10L-A2	11	134	88	145	145	4.07	1.10	3.30	170	- _ _ _ _ +
78-0501	MG10ZS	8.5	151	87	94	94	3.27	0.85	2.55	120	+ _ _ _ _ -
78-0502	MG1232R	32	196	130	157	180	9.94	3.20	9.60	380	- _ _ _ _ +
78-0503	MG12A-4A1	12	134	80	161	161	4.39	1.20	3.60	140	+ _ _ _ _ -
78-0504	MG12A-BS	10	150	87	106	106	3.40	1.00	3.00	140	+ _ _ _ _ -
78-0505	MG12A-3A1	12	134	80	161	161	4.39	1.20	3.60	140	- _ _ _ _ +
78-0506	MG12A-3A1#	12	134	80	161	161	4.39	1.20	3.60	140	- _ _ _ _ +
78-0507	MG12B-4	10	150	69	130	130	3.71	1.00	3.00	210	+ _ _ _ _ -
78-0508	MG12-BS	12	151	87	130	130	4.39	1.20	3.60	230	+ _ _ _ _ -
78-0509	MG12ZS	11	151	87	110	110	3.95	1.10	3.30	140	+ _ _ _ _ -
78-0510	MG14A-A1	13	135	89	170	170	4.51	1.30	3.90	170	+ _ _ _ _ -
78-0511	MG14A-A2	13	134	88	176	176	4.65	1.30	3.90	190	+ _ _ _ _ -
78-0512	MG14B-4	12	150	69	145	145	4.27	1.20	3.60	130	+ _ _ _ _ -
78-0513	MG14-BS	14	151	87	145	145	4.99	1.40	4.20	180	+ _ _ _ _ -
78-0514	MG14L-A2	13	134	88	166	166	4.63	1.30	3.90	190	- _ _ _ _ +
78-0515	MG14-A2	13	134	88	166	166	4.63	1.30	3.90	160	+ _ _ _ _ -
78-0516	MG14ZS	11.2	151	87	110	110	3.95	1.12	3.36	210	+ _ _ _ _ -
78-0517	MG15L-BS	13	175	87	130	130	5.18	1.30	3.90	220	- _ _ _ _ +
78-0518	MG16AL-A2	16	205	70	162	162	6.17	1.60	4.80	190	- _ _ _ _ +
78-0519	MG19-BS	19	175	100	155	155	6.61	1.90	5.70	230	+ _ _ _ _ -
78-0520	MG16-BS	16	151	87	161	161	5.96	1.60	4.80	190	+ _ _ _ _ -
78-0521	MG16-BS-1	14	151	87	161	161	5.96	1.40	4.20	200	+ _ _ _ _ -
78-0522	MG19CL-BS	21	175	100	175	175	7.77	2.10	6.30	250	- _ _ _ _ +
78-0525	MG20-BS	20	175	87	155	155	6.58	2.00	6.00	240	+ _ _ _ _ -
78-0526	MG20L-BS	20	175	87	155	155	6.58	2.00	6.00	240	- _ _ _ _ +
78-0527	MG30CL-B	30	168	132	192	192	10.79	3.00	9.00	340	- _ _ _ _ +
78-0528	MG30L-BS	28	168	127	177	177	9.30	2.80	8.40	310	- _ _ _ _ +
78-0529	MG3L-A	3	98	56	109	109	1.30	0.30	0.90	40	- _ _ _ _ +
78-0530	MG4L-B	4	120	71	91	91	1.66	0.40	1.20	50	- _ _ _ _ +
78-0531	MG4L-BS	4	114	71	86	86	1.70	0.40	1.20	50	- _ _ _ _ +
78-0533	MG18L-BS	20	205	87	162	162	7.18	2.00	6.00	280	- _ _ _ _ +
78-0534	MG53030	30	178	123	166	166	8.64	3.00	9.00	340	- _ _ _ _ +
78-0535	MG5-3B	5	120	61	132	132	2.03	0.50	1.50	70	- _ _ _ _ +
78-0536	MG20CH-BS	18	151	87	161	161	5.58	1.80	5.40	270	+ _ _ _ _ -
78-0537	MG5L-BS	5	114	71	106	106	2.16	0.50	1.50	80	- _ _ _ _ +
78-0538	MG7A-BS	7	151	87	94	94	2.88	0.70	2.10	100	+ _ _ _ _ -
78-0539	MG7B-4	6	150	65	92	92	2.44	0.60	1.80	70	+ _ _ _ _ -
78-0540	MG7L-BS	7	114	71	130	130	2.64	0.70	2.10	100	- _ _ _ _ +
78-0542	MG7ZS	6	114	71	106	106	2.29	0.60	1.80	80	- _ _ _ _ +
78-0543	MG9-4B1	9	135	75	139	139	3.73	0.90	2.70	120	+ _ _ _ _ -
78-0544	MG9B-4	8	150	69	105	105	2.96	0.80	2.40	90	+ _ _ _ _ -
78-0545	MG9A-A	9	135	75	139	149	3.4	0.9	2.70	100	+ _ _ _ _ -
78-0546	MG9-BS	9	151	87	105	105	3.50	0.90	2.70	110	+ _ _ _ _ -
78-0547	MG50-N18L-A	20	205	87	162	162	7.18	2.00	6.00	240	- _ _ _ _ +
78-0549	MG4B-BS	2.3	113	39	86	86	0.96	0.23	0.69	30	+ _ _ _ _
78-0550	MG10A-A2	11	134	88	145	155	4.10	1.1	3.30	140	+ _ _ _ _ -
78-0551	MG7C-A	8	130	90	114	114	2.91	0.8	2.40	80	- _ _ _ _ +
78-0552	MG12C-A	12	134	80	175	175	4.42	1.2	3.60	135	+ _ _ _ _ -
78-0553	MG50-N18-A *	20	205	87	162	162	7.18	2.00	6.00	240	+ _ _ _ _ -
78-0554	MG51913	17	183	79	171	171	6.04	1.70	5.10	200	- _ _ _ _ +
78-0556	MG14L-BS	14	151	87	145	145	4.99	1.40	4.20	180	- _ _ _ _ +