

# YAMAHA

### **MODEL GUIDE** PRESENTATION DE MODELE

## LB3/LB3M/LB3-80

YAMAHA

90894-09020

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NOTE: SPECIFICATIONS AND OTHER TECHNICAL born VOI and most account to yasmmu2 .0

DATA GIVEN IN THIS MODEL GUIDE MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. Model name, I.D. number, country, starting engine No. and remarks Remarks Model I.D. Starting Speed Foot Country Clutch name No. engine No. limited pedal LB3M 1V3 Germany 1V3-000101~ A Yes Without 1 1 1V4 1V4-000101~ 1 Belgium 1V5 1V5-000101~ 1 A 1 Austria 1 1V6 France 1V6-000101~ 1 With Switzer-1M8 1M8-100101~ H No Without land LB3-80 1M9 Germany 1M9-000101~ A ٨ Note: A: Centrifugal automatic clutch H: Manual clutch A. Aims of the product To meet the growing demand for mini-leisure motorbiks, it is redesigned so that machine safety and utility are enhanced. B. Features (Sales and service points) Resin-made rear view mirror Carburetor of modified shape Change in coloring Change in kick mechanism Reinforced front fork spring 600 TAMAH Sprocket, locked with clip New transmission mechanism Black-painted cylinder head

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LB3

C. Summary of differences from the 1977 model ADIMHOBIT REHTO DMA 2001TADIADERS BITOM BRIVAN BOILD LEDOM 2011 MI MEMIDIATAD

Note: - Not incorporated

- Incorporated in 1978 model
- Incorporated in 1977 model

EDBJECT TO CHANGE WITHOUT PRIOR NOTICE. odel Perre 1.D. number, country, starting engine No. and remark

1977 model							
Model name	LB3-80	LB3	LB3-M	-	000 AV	-	1 1V4
Type	1M9	1M8	1V3	1V4	1V5	1V6	1 1V5
Destination	Germany	Switzer-	Germany	Belgium	Austria	France	8V1 1
Item	ti	Mitho	NI H	01~	1M8.100	Switzer-	814 F 28
Engine							
1) Change in shape of carbu-			Γ P	-101	000-8MT	Cermany	83 80/1M9
retor VM14SC → VM14SS	-	0	<	< <u>−</u> ∂31	to <del>mati 2</del> di	tri <del>fugið</del> au	be. A. Cen
<ul> <li>2) Modified transmission</li> <li>3 shift forks → 2 shift forks</li> </ul>	0	*	<	<	<	<	Ains of the
<ol> <li>Change in kick mechanism Ratchet type → Bendix type</li> </ol>	0	iks, it is neec <b>x</b>	ure motorb ty <del>are &gt;</del> tha	r mini-leis y a <del>nd≥</del> til	demanit fo shi <del>ne &gt;</del> fet	e growing i so <del>tha</del> ≽nac	Tu meet th redesigned
<ul> <li>4) Clip-locked drive sprocket Nut-locked → Clip-locked</li> </ul>	O	*	<	<	<	<	Peatures (S
5) Cylinder head Black-painted	0	rear via Carbun	<	<	جـــــ	<	
Frame	ed shape	modifie					
<ol> <li>Increased front fork spring constant 66.25 → 86, 25 (Effective number of turns)</li> </ol>	0	Change *	e	-	<	<	
2) Resin-made rear view mirror	0	*	جـــ	-4	-	be <del>s</del> nomia	9
Electrical system	NULLIN SE		0.00	= /2	a pare	S NIOLIUS	
No modification is incorporated	~-/L		15	5-	AF	R-	

procket, locked

New transmission mechanism

Right-nainted cylinder hea

D. Differences from the 1977 model

MODIFICATIO

EMARKS

MODIFICATION	hifter.	end to a REMARKS to tail
ngine section]	01d pare No.	No. Part name
	1 Doutpearstal	
Carburetor	296-18511-00-17	
$V  V    433 ( V    K   11) \rightarrow V  V    430 ( V    K   11)$	and the second	Standardization
Change in shape of air cleaner case	No. of the local distance in the second seco	Due to change the
	90249-05041	carburetor
Change in air cleaner joint	136 18551-00	6 Cam follower roller
Change in shape of manifold	91401 25017	7  Cotter pin
Shifter	techangesble as a cen	
The number for shift forks has beein decreased from 3 t	o 2.	Standardization
	crankcase (left)	
	The	
riginal type		
A Dolor	100 m 34 m 40 m	
	ANOW!	
ofto CUIII		
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	6	
2 5	A Chinese and	
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lew type		· put any accounting
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#### MODIFICATION

REMARKS

#### List of modified parts for the shifter.

No.	Part name	Old part No.	New part No.	Remarks	
1	Shift cam	517-18541-00	1W7-18541-00	Cam grooves: reduced from 3 to 2	
2	Shift fork 1	296-18511-00	1W7-18511-01	tinusliki petritiv - linuslil	
3	Shift fork 2	296-18512-01	1W7-18512-01	hape of air clearar case	
4	Shift fork 3	296-18513-01	Discontinued		
5	Pin	90249-05041	· +		
6	Cam follower roller	136-18551-00	+	r cleaner joint 1306 of manifold	
7	Cotter pin	91401-25017	*	rade of manners	

Interchangeability: Not, but intechangeable as a set with the abovementioned parts, modified transmission parts, and crankcase (left)

#### 3. Kick starter

The kick starter has been changed from the ratchet type to the Bendix type.

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New type

LB3 LB-3M LB3-80 MODIFICATION

#### Kick starter

List of modified parts (Ratchet type to Bendix type)

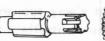
No.	Part name	Old part No.	New part No.	Remarks	Lock nut	
1	Kick axle ass'y	517-15660-01	1W7-15660-10	Helical splines	Lock wash	
2	Kick gear	296-15641-00	1W7-15641-00	Helical splines in bore	Circlip	
3	Wave washer	90206-19027	Discontinued	90387-1722	Distance or	
4	Shim	296-15644-00	*	93102-2604	Oil seal	
5	Circlip	93410-19015	93410-20009	S19 → S20		
6	Ratchet wheel	296-15671-00	Discontinued	93306-3020	Bearing	
7	Kick clip	90468-26046	1W7-15687-00	Shape of bend is changed	0	
8	Kick spring guide	296-15664-00	1W7-15676-00	Aluminum -> Hard nylon	Drive ax I	
9	Kick spring cover	132-15676-01	1W7-15676-00	Cast zinc - Sheet iron	Drive axle	
10	Plate washer	e above-fisted parts.	90201-20266	Newly added	nterchangea	

O Interchangeability: Not, but interchangeable as a set of the abovelisted parts

#### 4. Drive sprocket locked with circlip

On the previous year's model, the drive sprocket is locked with nut, but on this new model, it is locked with circlip. This floating type locking keeps the drive sprocket in full-face contact with the drive chain.

Locking of drive sprocket with circlip









list of modified parts for the drive sprocket

No. Part name 1 01d

REMARKS

#### MODIFICATION

#### REMARKS

List of modified parts for the drive sprocket.

No.	Part name	Old part No.	New part No.	Remarks
1	Lock nut	90179-12181	Discontinued	rt namer ubre e Old part No
2	Lock washer	90215-13019	1	ssiv 617 16680.0
3	Circlip		93440-20043	Newly added
4	Distance collar	90387-17228	Discontinued	06366.1002
5	Oil seal	93102-26042	1	A A A A A A A A A A A A A A A A A A A
6		002 - 012 0	93102-20143	Newly added
7	Bearing	93306-30305	Discontinued	206 15821 BD
8	hendeda	10 Street of head is	93306-20401	Newly added
9	Drive axle comp.	441-17420-00	Discontinued	0.0015664.00
10	Drive axle	and warmen of the	517-17421-00	Newly added

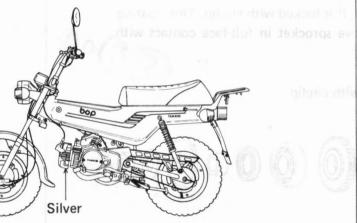
Not, but interchangeable as a set of the aboveliated parts

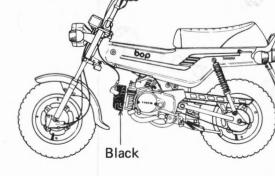
O Interchangeability Not, but interchangeable as a set of the above-listed parts.

#### 5. Black-painted engine

\_B-3M \_B3-80 The engine is black-painted to give an impressive look to the machine.

#### Better appearance





		MODIFICATION		stream switzents	REMARKS
st o	of modified parts for the c	ylinder head.		1 1 1 1 1 1 1 1	Durrension Over all locath
No.	Part name	Old part No.	New part No.	Rem	arks
1	Cylinder head	439-11111-00	296-11111-01	for the 1V3 ~	· 1V6 marter filled
2	" 34	517-11111-00	1M8-11111-00	for the 1M8	Wheelerso
3	"nm 381>	527-11111-00	1M9-11111-00	for the 1M9	Miningen idari elleri ges
Fran	ne section]			73 kg (160 lb	
Т	esin-made rear view mirro he rear view mirror is mad nd gives a better look.	Can Das	lighter in weigt	<b>20</b> ,5 5,200 m (6	Better design
di	iu gives a better look.				
				17.45 5 (1942, 10 year 19 cc (3.0	
				1	
				s X	
				ar nisi ni e s ă. (. t. t.) ni 6.4 (	
	Original	LESI Megune Magnet	New	End 1	
ist c	of modified parts for the r	ear view mirror.		Separate ubr	
No	. Part name	Old part No.	New part No.	Rem	narks
1	Rear view mirror, left	266-26290-10	Discontinued	8148-98	sparic plag
		257-26290-20	1	DSPIMA	Yoranudaal

	riour view minior, iore	200 20200 10	Discontanda	
	>	257-26290-20	1	WMASC Ollock Score
		407-26290-50	1	
2	Rear view mirror, right	>	1Y0-26290-10	Belgium, Austria
	INC, HM	-	1Y0-26290-50	Germany

#### 2. Stronger front fork spring

(Increased spring constant)

On the previous year's model, the front fork spring was too soft, so the effective number of turns of coil spring has been increased from 66.25 to 86.25 in order to make the spring stiffer. As a result, the front forks will not travell down too far when the brake is applied.

Part Name	Old part No.	New part No.	Remarks
Front fork ass'y	1V3-23100-00	1V3-23100-01	for the 1V3
"	1M3-23100-00	1M8-23100-00	for the 1V4, 1V5, 1M8, 1M9
"	1M9-23100-F0	1M9-23100-F1	for the 1V6

Interchangeability: Not individually, but interchangeable as a front fork assembly.

Aur sene Stants: Pioat is s gniloi

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	LB3	LB3M				LB3-80	
SXAAM3 Item	Switzerland	Germany	Belgium	Austria	France	Germany	
Dimension:	e sonerix@co		.bss	ovlinder	ts for the	ned bertibor	
Overall length	1,680 mm (66.1 in)	←	←	<	<	<u> </u>	
Overall width	670 mm (26.3 in)	650 mm (25.6 in)	<	<	nk <mark>&lt; ∋1</mark> ∩6		
Overall height	965 mm (38.0 in)	980 mm	965 mm		<del>~</del>	virn <del>der s</del> ead	
04	AT Address NO 111	(38.5 in)	(38.0 in)	[E373]	- Tarka		
Wheelbase	1,055 mm (41.5 in)	<	<	-	<	<	
Minimum road clearance	155 mm (6.10 in)	13.5 mm	20-111	<	<	155 mm	
		(5.3 in)				(6.10 in)	
Weight:							
Net	73 kg (160 lb)	75 kg (165 lb)	43 Nev	<	<	76 kg (168 lb)	
Performance:			5	10	rim weiv	in-made rear	
Climbing capacity	20.5°	21°	18°	21°	<	22°	
Minimum turning radius	1,700 mm (67.0 in)	< <u> </u>	<	<	<	<	
Engine:					, 1991.)	brizo e savib	
Туре	2-stroke, gasoline				←		
Model	1M8	1V3	1V4	1V5	1V6	1M9	
Cylinder	Single, forward inclined		<	<	←	←	
Displacement	49 cc (3.0 cu.in)	<	<	<	<	72 cc	
		1			10	(4.4 cu.in)	
Bore and stroke	40.0 mm x 39.7 mm	<	←	←	<	47.0mmx42.0	
	(1.57 in) (1.56 in)					mm(1.850 in	
			9			x 1.654 in)	
Compression ratio	6.4 : 1	6.6 : 1	<	<	<	5.8 : 1	
Starting system	Kick starter	<	<	←	<	<	
Ignition system	Magneto		<	<	<	←	
Gasoline tank capacity	3.4 lit (3.0 IMP. qt)			<	<──	<	
Oil tank capacity	1.3 lit (1.1 IMP. qt)	<	<	<		<	

the second s	1					- 61	
Item	LB3	LB3M				LB3-80	
rtem	Switzerland	Germany	Belgium	Austria	France	Germany	]
Lubrication system	Separate lubrication (Yamaha Autolube)	←	Sonia	re <del>ar v≷</del> w i	sr <del>i≸ ro1</del> str	mod <del>ifie≷</del> pa	10
Battery capacity	6V, 4AH	nec <del><vet< del=""></vet<></del>	<del><!--11</del-->18</del>	<	< 90116	<del>&lt;</del>	
Generator system	Flywheel magneto		<	<	<	<del>&lt;</del>	-
Spark plug	BP-6HS	in chail	290 >	26\$ 26	1011	B-6HS	
Carburetor	VM14SC		< mpc		←	VM16SC	
Air cleaner	Oiled, foam rubber	←	<	<	←		
Carburetor:		1	NE ORZI	7-11-1-1			1
Type and manufacturer	VM14SC, MIKUNI	<	←	←	< <u>,</u> 101	VM16SC	
	90-50 Germany	Cac.ostr				MIKUNI	
I.D. mark	1V700	1V500	1V300	1V500	<del>&lt;</del>	1M600	
Main jet (M.J.)	#120	#115	#105	#115	<	#100	
Airjet (A.J.)	2.5	←	←	<	<	ta <del>st s</del> ano	12
Jet needle (J.N.)	3G9-4	3E2-2	←	<	<del>&lt;                                    </del>	3G9-3	
Needle jet (N.J.)	E8	E6	←	←	ns <u>tsuos</u> Bi	nucceased sound	19
Cutaway (C.A.)	3.0 001 new	2.5	1 <del>&lt; 01</del> 9	model> th	2	03.010 edt	hC
Pilot jet (G.S.)	#15	<	-		←	#20	
Air screw (turns out)(A.S.)	1-1/2 need and	1-1/4	urns of a	10 190m	ALL SATIST	19au os 'n	101
Starter jet (G.S.)	#25 nettide pri	il a contra on	der towna	16.25 S of	86.25 So 8	reased form	201
Float level	23.0 ± 1	<		+	<	24.0 ± 1	5.0
Idling engine speed	1,350 ± 100 rpm	<	<	€ 117V 2.	< <u> </u>	→ + + + + + + + + + + + + + + + + + + +	

	New part No.	
for the TV4, 1		

y: Not individually, but interchangeable as a front fork assembly.

nterchangeability

LB3 LB- 3M LB3- 80

	Item		LB3	LB3M			LB3-80	
TIS			Switzerland	Germany	Belgium	Austria	France	Germany
Transm	ission:		COLOR MOLINE		1.5			
Seco	Secondary reduction ratio		33/13 (2.538)	36/13 (2.769)	42/13 (3.231)	36/13 (2.769)	35/13 (2.692)	36/14 (2.577)
Gea	r ratio:	1st	39/12 (3.250)	<	<	<	<	←
		2nd	34/17 (2.000)	29/16	<	<	<	←
19 21 9 ma			a id., pays, planues	(1.813)				
al SLIVIA [Lo		3rd	30/21 (1.429)	24/20 (1.200)	<	←	←	←
		4th	27/24 (1.125)	<	←	←	<	←
Steering	a:	Caster	27°	<	<	←	<	←
		Trail	60 mm (2.36 in)	←	←	←	←	←
Tire siz	e:	Front	4.00-10-2PR	4.00-10-4PR	4.00-10-2PR	←		2.00-10-4PR
11.11		Rear	4.00-10-2PR	4.00-10-4PR	<	←	<	<
Suspen	sion:	Front	Telescopic fork	<u> </u>	<	<	<	←
		Rear	Swing arm	←	<	←	<	<del>~</del>
Shock a	absorber:	Front	Coil spring, oil damper	←	<	←	<del>&lt;</del>	<
		Rear	Coil spring, oil damper	←	<	←	←	<del>~</del>
Frame:	1.1.1							
Тур	е		Pressed steel back bone	←	←	←	←	←
Electric	al:		a Section 1					
Hea	Headlight		6V, 25W/25W	6V, 15W	7V,18W/18W	6V,15W	6V, 6W	6V,25W/25V
Tail	/stoplight		6V, 5W/21W	<	<	<	<	←
Flas	her light		6V, 21W	←	6V, 10W	6V, 8W	6V, 10W	←
Meter light			6V, 3W	<	<	<	<	←
Neu	Neutral light Oil caution light		6V, 3W	←	<	←	←	
Oil			6V, 3W	←	<	<	←	←

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LB3 LB- 3M LB3- 80

