

History of change and modification of HODAKA ACE 90

DATE STARTED	FRAME NO.	ENGINE NO.	OLD PART NO.	NEW PART NO.	NEW PART NAME	REMARK
Jan. 21, 1966	A 6533			909309C	Headlamp body setting nut	C modification
Jan. 21, 1966	A 6533			14310512	Headlamp body setting screw	C modification
Jan. 21, 1966	A 6533			162105008	Headlamp body setting washer	C modification
Jan. 21, 1966	A 6533		909310	909310C	Speedometer assy.	C modification
Jan. 21, 1966	A 6533			909314C	High beam indicator light bulb socket	C modification
Jan. 21, 1966	A 6533			909450C	Tail & stop lamp assy.	C modification
Jan. 21, 1966	A 6533		908640A	909451C	License plate bracket	C modification
Jan. 21, 1966	A 6533		909510	909510C	Owner's handbook	C modification
Feb. 1, 1966	A 6800		909235	909235	Rear hub shaft	Heat-treated
Mar. 25, 1966		P 7780	902701	902701	Crankshaft mag. side	Heat-treated all over
Mar. 25, 1966		P 7780	902702	902702	Crankshaft output side	Heat-treated all over
Apr. 5, 1966		P 8176	904004	904004	Clutch cage	Light alloy
Apr. 5, 1966		P 8176	904008	904008	Clutch cover	Light alloy
June 18, 1966	A 9383		908633C	908633C	Rear fender stay	Changed tubing thickness
Aug. 6, 1966	A 10735		909440	909440	Selenium rectifier	Changed setting bolt diameter
Sept. 16, 1966	A 11601		909311C	909311C	Speedometer body	Improved needle
Oct. 5, 1966	A 12116		909040	909040	Battery bracket	Modified rec. setting position
Oct. 22, 1966		P 12677	902008	902008	Foot change ratchet	Checked
Nov. 26, 1966	A 13180		909009C	909009C	Fuel tank filler cap	Changed material
Dec. 2, 1966		P 13371	904714	904714	Kick roller retainer	Heat-treated
Dec. 2, 1966		P 13371	904711	904711	Kickshaft	Checked hardness
Feb. 3, 1967	A 14862		903603A	903603A	Air cleaner mouthpiece	Modified bracket (Stranger type)
Feb. 18, 1967		P 15221	904002	914002R	Clutch rotor gear	Changed to inter- changeable parts
Feb. 18, 1967		P 15221	904012	904012D	Clutch hub	Changed boss shape

[illegible]

Modification History

As with the ACE 90 model, Hodaka's ACE 100 will be updated from time to time. Consistent with past policy, changes or modifications are applicable to existing models via bolt-on methods. Although the ACE 100 designation will be carried on for some time, changes will be made whenever and wherever the need arises. For this reason the following chart is provided—listing all changes made up to print date of this supplement and providing space to write in future changes.

For those who wish to keep current histories, a list of such changes will be prepared semi-annually. To obtain a copy of this list, write Pabatco, Box 327, Athena, Oregon 97813, and the latest current edition will be sent free of charge.

**History of change and modification of
HODAKA ACE 100**

DATE STARTED	FRAME NO.	ENGINE NO.	OLD PART NO.	NEW PART NO.	NEW PART NAME	REMARKS
Aug. 6, 1967	A 17685		929175	929175	Muffler side cover	Lusterless Cr. plate
Aug. 6, 1967	A 17685			929178	Muffler side cover rubber seat	Additional new part
Aug. 26, 1967		P 20601	911012R	901012	Counter shaft oil seal	Exchangable with ACE 90
Aug. 26, 1967		P 20601	914601R	924601	Counter shaft	Changed sprock- et lock nut Oil leak prevention
Aug. 26, 1967		P 20601	914610R	924609	Secondary sprocket collar	Oil leak prevention
Aug. 26, 1967		P 20601		904611	Secondary sprocket lock washer	Exchangable with ACE 90
Aug. 26, 1967		P 20601		924612	Secondary sprocket lock nut	Thread type counter shaft
Jan. 18, 1968		P 22486	923000	923000	Flywheel magneto assembly	ISO thread
Jan. 18, 1968		P 22486	903008	903008iso	Frame	ISO thread
Jan. 18, 1968		P 22486	(26)0510	(26)0510iso	Condenser setting screw	ISO thread
Jan. 18, 1968		P 22486	(26)0420	(26)0420iso	Coil setting screw	ISO thread
Jan. 18, 1968		P 22486	(26)0412	(26)0412iso	Contact breaker setting screw	ISO thread
Jan. 18, 1968		P 22486	(26)0408	(26)0408iso	Felt lubrication pad setting screw	ISO thread
Jan. 18, 1968		P 22461	924006	924006	Clutch friction disc	Changed material
April 3, 1968		P 24651	NGK-88	NGK-88	Spark plug	ISO thread cap screw

Modification History

As with the ACE 90 model, the ACE 100B will be updated from time to time. As in the past (and whenever possible), changes and/or modifications will be applicable to existing models via the bolt-on method. Although the ACE 100B designation will be carried on for some time, changes will be made whenever and wherever the need arises. For this reason, the following chart is provided listing all changes made up to the print date of this *Supplement* and providing space to write in future changes.

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History of change and modification of HODAKA ACE 100B

DATE STARTED	FRAME NO.	ENGINE NO.	OLD PART NO.	NEW PART NO.	NEW PART NAME	REMARKS
April 1970	A-42513		929170A	929160	Muffler ass'y	New style ass'y
April 1970	A-42513		929171A	929261	Muffler	New style
April 1970	A-42513		929190	929292	Spark arrestor	New style
April 1970	A-42513		929174A	929164A	Muffler rear plate	To fit new style muffler
April 1970	A-42513		929175	922165	Muffler side cover	To fit new style muffler
July 1970	A-44213			932031	Dust seal	Foot change inside cover seal
July 1970	A-44213		909145	939145	Chain adjuster ass'y	Yoke type
July 1970	A-44213		909146	939146	Lock plate	To fit yoke type chain adjuster
July 1970	A-44213		928630	938630A	Rear fender	Altered taillight position
Aug. 1970	A-45263		904616	924616	Control shaft spring (L)	square section spring wire
Aug. 1970	A-45263		904617	924617	Control shaft spring (R)	Square section spring wire
Oct. 1970	A-48913		928630	928630A	Rear fender	Changed taillight position
Oct. 1970	A-48913		909450C	929450	Tail- and stoplight ass'y	Changed license plate angle
Oct. 1970	A-48913		909451C	929451	License plate bracket	Changed license plate angle
Jan. 1971	A-51013		932000	932000iso	Magneto cover ass'y	ISO threads
Jan. 1971	A-51013		922001	922001iso	Magneto cover	ISO threads
Jan. 1971	A-51013		(41)0410	(41)0410iso	Shifter cover screw	ISO threads
Jan. 1971	A-51013		(41)0510	(41)0510iso	Inside cover screw	ISO thread
Jan. 1971	A-51013		921001	921001iso	Crankcase ass'y	ISO threads

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History of change and modification of HODAKA ACE 100B

DATE STARTED	FRAME NO.	ENGINE NO.	OLD PART NO.	NEW PART NO.	NEW PART NAME	REMARKS
Jan. 1971	A-51013		901006	(91)470175	Crankshaft thrust snap ring	Part number change
Jan. 1971	A-51013		934008	934008iso	Clutch cover	ISO threads
Jan. 1971	A-51013		904009	904009iso	Clutch screw	ISO threads
Jan. 1971	A-51013		904700	934700	Kick crank ass'y	Reformed to fit new muffler
Jan. 1971	A-51013		923000A	923000B	Flywheel magneto ass'y	High output alternator
Jan. 1971	A-51013		(46)0512	(46)0512iso	Flywheel magneto frame screw	ISO thread
Jan. 1971	A-51013		903013	923013	Lighting coil	Increased output
Jan. 1971	A-51013		928600A	928600Aiso	Flywheel magneto frame	ISO threads
Jan. 1971	A-51013		938700	938750	Front fork ass'y	Heavy duty type
Jan. 1971	A-51013		938703	938751iso	Outer tube (R)-fork	Heavy duty type
Jan. 1971	A-51013		938704	938752iso	Outer tube (L)-fork	Heavy duty type
Jan. 1971	A-51013			938754	Front fork cylinder ass'y	New part added
Jan. 1971	A-51013		938715	938756	Spring fork	Heavy duty type
Jan. 1971	A-51013		938707	938753	Inner tube fork	Heavy duty type
Jan. 1971	A-51013			938757	Spring guide fork	Heavy duty type
Jan. 1971	A-51013			938759	Spacer (top) fork	Heavy duty type
Jan. 1971	A-51013			938758	Spacer (bottom) fork	Heavy duty type
Jan. 1971	A-51013		938702	938755	Steering fork bracket	Heavy duty type
Jan. 1971	A-51013			(12)0825	Bolt fork	Heavy duty type
Jan. 1971	A-51013			938762	Packing fork	Heavy duty type
Jan. 1971	A-51013		928705iso	938763iso	Drain plug fork	Heavy duty type
Jan. 1971	A-51013		(10)0828iso	(10)0835iso	Outer tube pinch bolt	Heavy duty type
Jan. 1971	A-51013		928730	928730A	Front fender	High mount type
Jan. 1971	A-51013		928735	938735	Front fender stay	High mount type
Jan. 1971	A-51013			928761	Speedo cable guide	For high mount fender
Jan. 1971	A-51013		939126	939126A	Swing arm	To fit 130mm drum
Jan. 1971	A-51013		929140A	929140B	Shock absorber bolt	To fit 130mm drum
Jan. 1971	A-51013		939145	939145A	Chain adjuster	To fit 14mm axle
Jan. 1971	A-51013		929155A	929155B	Chain guard	To fit 939126A swing arm
Jan. 1971	A-51013		929191	929191iso	Spark arrestor inner pipe	ISO threads
Jan. 1971	A-51013		929218	929218iso	Front backing plate	ISO threads
Jan. 1971	A-51013		939220	939220A	Front hub shaft	To fit heavy duty fork
Jan. 1971	A-51013		939211	939211A	Rear spoke	To fit 130mm drum
Jan. 1971	A-51013		929230	929270	Rear hub ass'y	Cushion hub
Jan. 1971	A-51013		929231	929271	Rear drum	130mm drum
Jan. 1971	A-51013		909243	929272	Distance collar	130mm drum
Jan. 1971	A-51013		909244	929273	Bearing seat ring	130mm drum
Jan. 1971	A-51013			8B6202Z	Wheel hub bearing	To fit 14mm axle
Jan. 1971	A-51013		8B6201	8B6202	Ball bearing	130mm drum
Jan. 1971	A-51013		909241	929274	Oil seal	130mm drum
Jan. 1971	A-51013			929276	Damper	Cushion hub damper
Jan. 1971	A-51013			929275	O ring seal	130mm drum
Jan. 1971	A-51013		909234	929277	Rear backing plate	130mm drum

History of change and modification of HODAKA ACE 100B

DATE STARTED	FRAME NO.	ENGINE NO.	OLD PART NO.	NEW PART NO.	NEW PART NAME	REMARKS
Jan. 1971	A-51013		909219	929278	Brake shoes	130mm drum
Jan. 1971	A-51013		909240	929279	Spring - brake shoe	130mm drum
Jan. 1971	A-51013		909222	929280	Brake cam	130mm drum
Jan. 1971	A-51013		929225	929281	Grease nipple	130mm drum
Jan. 1971	A-51013		909223	929282	Rubber ring	130mm drum
Jan. 1971	A-51013		909236	929283	Brake cam lever	130mm drum
Jan. 1971	A-51013			929284	Brake lever pin	130mm drum
Jan. 1971	A-51013			929285	Sprocket drive flange	130mm drum
Jan. 1971	A-51013			B86204	Ball bearing	130mm drum
Jan. 1971	A-51013			(91)470175	Snap ring	130mm drum
Jan. 1971	A-51013			929286	Oil seal	130mm drum
Jan. 1971	A-51013			929287	Drive flange collar	130mm drum
Jan. 1971	A-51013		919233	929288	Axle shaft	130mm drum
Jan. 1971	A-51013		909233	929289	Collar (R)	130mm drum
Jan. 1971	A-51013		909232	929230	Collar (L)	130mm drum
Jan. 1971	A-51013		909221	929291	Self-lock axle nut	14mm axle shaft
Jan. 1971	A-51013		929248	929292	Rear sprocket bolt	130mm drum
Jan. 1971	A-51013		929238	929293	Lock washer	130mm drum
Jan. 1971	A-51013		(54)1008	929294	Nut	130mm drum
Jan. 1971	A-51013		929256	929295	36T rear sprocket	130mm drum
Jan. 1971	A-51013		929300A	929340A	Headlight ass'y	Chg. to Stanley
Jan. 1971	A-51013		909305C	929341	Sealed beam ass'y	To fit Stanley
Jan. 1971	A-51013		909302	929342	Headlight rim	To fit Stanley
Jan. 1971	A-51013		929301A	929343	Headlight body	Stanley
Jan. 1971	A-51013			929344	Adjust screw	To fit Stanley
Jan. 1971	A-51013			929345	Spring	To fit Stanley
Jan. 1971	A-51013			929346	Nut	To fit Stanley
Jan. 1971	A-51013			929347	Washer	To fit Stanley
Jan. 1971	A-51013			929348	Screw	To fit Stanley
Jan. 1971	A-51013			929349	clip	To fit Stanley
Jan. 1971	A-51013			929350	Nut	To fit Stanley
Jan. 1971	A-51013		909303	929351	Rim screw	To fit Stanley
Jan. 1971	A-51013		929325	929325A	Headlight bracket	To fit Stanley
Jan. 1971	A-51013		929310	929310A	Speedo ass'y	With reversing trip meter
Jan. 1971	A-51013		929313	929313A	Speedo light socket	To fit speedo w/trip
Jan. 1971	A-51013		929314	929314A	Hi beam indicator lite socket	To fit speedo w/trip
Jan. 1971	A-51013		929315	929315A	Speedo bracket	To fit speedo w/trip
Jan. 1971	A-51013		929316	929316A	Rubber mount (upper)	To fit speedo w/trip
Jan. 1971	A-51013		929319	929319iso	Self-lock nut	ISO thread
Jan. 1971	A-51013		909505	929505	13x17mm wrench	Tool kit addition
Feb. 1971	A-51713		938750	938750A	Front fork ass'y	Modification
Feb. 1971	A-51713		938755	938753A	Inner tube fork	Modification
Feb. 1971	A-51713		938759	938759A	Spacer (top) fork	Modification
Feb. 1971	A-51713		938721	938721A	Inner tube cap fork	Modification
Feb. 1971	A-51713		938701	938701A	Handle plate fork	Modification
Feb. 1971	A-51713			938712	Inner tube snap ring	Add to modified fork

Modification History

As with the ACE 90 model, Hodaka's Super Rat will be updated from time to time. As in the past (and whenever possible), changes or modifications will be applicable to existing models via bolt-on methods. Although the Super Rat designation will be carried on for some time, changes will be made whenever and wherever the need arises. For this reason, the following chart is provided—listing all changes made up to the print date of this *Supplement* and providing space to write in future changes.

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History of change and modification of HODAKA SUPER RAT

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HODAKA

PACIFIC BASIN TRADING COMPANY
(PABATCO)

Box 327
Athena, Oregon 97813

90, 100 AND 125CC MODELS

MODEL	ACE 90	ACE 100, 100B, DIRT SQUIRT	SUPER RAT (100 MX)	125 WOMBAT	125 COMBAT WOMBAT
Displacement-cc	90	98	98	123	123
Bore-MM	48	50	50	56	56
Stroke-MM	50	50	50	50	50
Oil-Fuel ratio	1:20	1:20	1:16	1:20	1:16
Spark plug—					
NGK	B7	B-8	B-10HN	B8HS	B-9HV
Electrode gap-MM	0.6-0.7	0.6-0.7	0.4-0.5	0.6-0.7	0.4-0.7
Inch	0.024-0.027	0.024-0.027	0.016-0.020	0.024-0.027	0.016-0.027
Ignition—					
Breaker point gap-MM	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4
Inch	0.012-0.015	0.012-0.015	0.012-0.015	0.012-0.015	0.012-0.015
Degrees BTDC	25°	25°	25°	25°	23°
Electrical system voltage	6	6		6	
Battery terminal grounded	Negative	Negative		Negative	
Tire size-Front	2.50 x 17	2.75 x 19*	3.00 x 19	2.75 x 21	3.00 x 21
Rear	2.75 x 17	3.00 x 17**	3.25 x 18	3.00 x 18	3.50 x 18
Tire pressure—					
Front-kg/cm ²	1.5	1.5	1.5	1.1	1.1
Psi	22	22	22	16	16
Rear-kg/cm ²	1.75	1.75	1.7	1.4	1.4
Psi	25	25	24	20	20
Rear chain free play-MM	19	19	19	19	19
Inch	¾	¾	¾	¾	¾
Number of speeds	4	5	5	5	5
Weight (approx.)-kg	69.2	77.1	76.6	94.3	87
Pounds	155	170	169	208	192

* Ace 100 models have 2.75 x 17 front tire.

** Dirt Squirt has 3.25 x 17 rear tire and 100B has a 3.00 x 18 rear tire.

Illustrations courtesy of PABATCO.

MAINTENANCE

SPARK PLUG. Recommended spark plug is NGK type B-7 for 90cc models. Standard spark plug for 100/MX is NGK type B-10EN and all other 100cc models use NGK type B-8. Wombat 125 standard spark plug is NGK type B8HS and Combat Wombat 125 is equipped with NGK type B-9EV.

CARBURETOR. Mikuni sliding valve carburetors are used on all models. A VM 20 SH (Fig. HK1) is used on 90cc and all 100cc models except 100MX. Super Rat (100MX) and standard Wombat 125 use VM 24 SH carburetors (Fig. HK3). Combat Wombat 125 models use a VM 28 SH carburetor (Fig. HK4). Refer to the following standard carburetor specifications:

VM 20 SH (Fig. HK1)

Main jet (9)–

90cc #85

100cc #95

Jet needle (6) 4 F 6

Throttle slide (7) 2.0

Needle jet (13) N 6

Pilot jet (14) #25

Pilot air screw (11)

turns open 1¼

Clip (5) should be in third groove from top of needle (6) on 90cc models and in fourth groove from top on 100cc

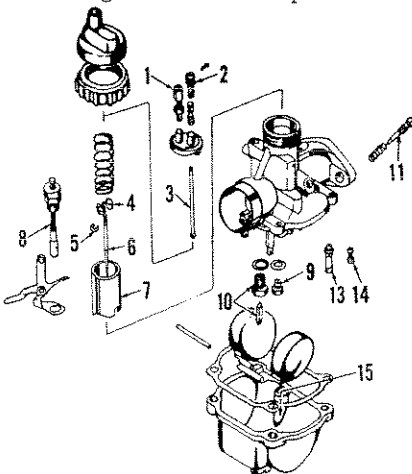


Fig. HK1—Exploded view of Mikuni VM 20 SH carburetor used on 90cc models and all 100cc models except 100 MX.

1. Throttle cable adjuster
2. Idle speed adjuster
3. Idle speed rod
4. Retainer
5. Clip
6. Jet needle
7. Throttle slide

8. Starting valve
9. Main jet
10. Inlet valve
11. Pilot air screw
12. Needle jet
13. Pilot jet
14. Starter jet
15. Throttle slide

models. Distance from float to gasket surface of carburetor body should be 22.5MM (0.78 in.).

VM 24 SH for 100MX (Fig. HK3)

Main jet (20) #220

Jet needle (7) 4 E 1

Throttle slide (8) 2.0

Needle jet (15) N 8

Pilot jet (14) #30

Pilot air screw (10)

turns open 1¼

Clip (6) in third groove from top of needle (7). Distance from float to gasket surface of carburetor body should be 22.5MM (0.78 in.).

VM 24 SH for 125 Wombat (Fig. HK3)

Carburetor I.D. #83A

Main jet (20) #180

Jet needle (7) 4 J 1

Throttle slide (8) 1.5

Needle jet (15) 0-4

Pilot jet (14) #15

Carburetor I.D. #83B

Main jet (20) #160

Jet needle (7) 4 E 1

Throttle slide (8) 2.5

Needle jet (15) N-8

Pilot jet (14) #25

Clip (6) in third groove from top of needle (7). Idle mixture is adjusted by turning screw (10). Turning screw in (clockwise) will richen fuel mixture. Idle speed is adjusted by turning screw (12).

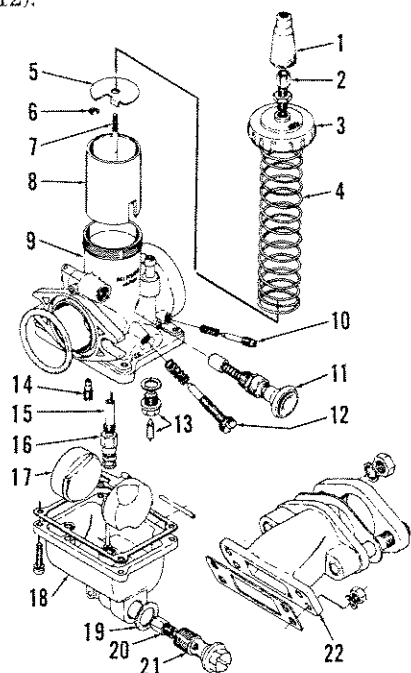


Fig. HK3—View of Mikuni VM 24 SH. Unit is typical of type used on 100 MX (Super Rat) models and standard Wombat 125 models.

- | | |
|---------------------------|-------------------------|
| 1. Dust cover | 11. Starter plunger |
| 2. Cable adjuster | 12. Idle speed screw |
| 3. Mixing chamber cap | 13. Inlet needle & seat |
| 4. Throttle return spring | 14. Pilot jet |
| 5. Set plate | 15. Needle jet |
| 6. Jet needle clip | 16. Jet holder |
| 7. Jet needle | 17. Floats |
| 8. Throttle slide | 18. Float bowl |
| 9. Throttle body | 19. Gasket |
| 10. Pilot air screw | 20. Main jet |
| | 21. Main jet holder |
| | 22. Intake manifold |

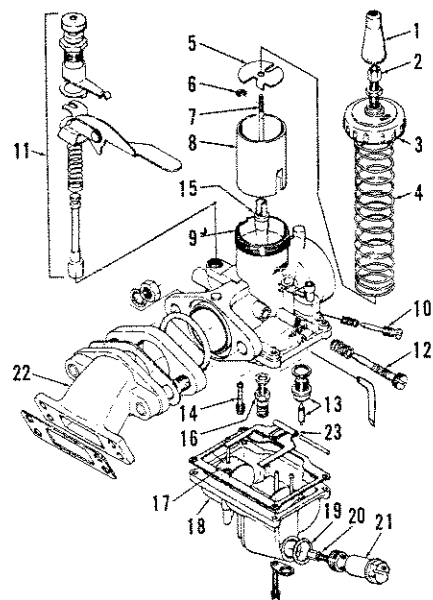


Fig. HK4—Exploded view of 28MM Mikuni used on Combat Wombat 125. Carburetor is similar to unit used on standard Wombat except that floats (17) and float arm (23) are separate pieces. Refer to Fig. HK3 for legend.

VM 28 SH (Fig. HK4)

- | | |
|--------------------------|--------|
| Main jet (20) | #190 |
| Jet needle (7) | 5 EJ 1 |
| Throttle slide (8) | 2.5 |
| Needle jet (15) | 0-4 |
| Pilot jet (14) | #25 |

Install clip (6) in third groove from top of needle (7). Pilot air screw (10) should be 1½ turns out from a lightly seated position. Idle speed is adjusted by turning screw (12).

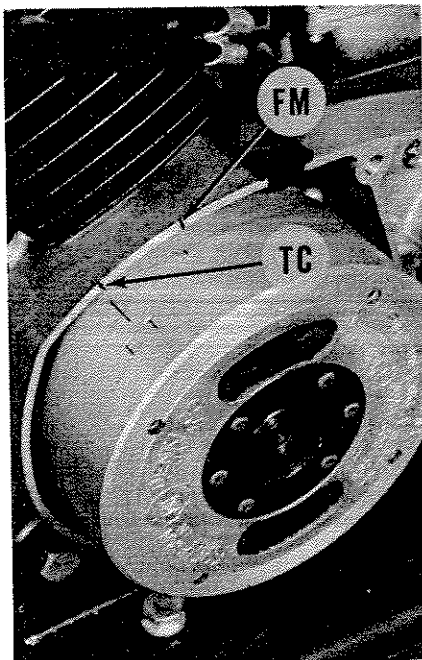


Fig. HK5—Breaker points should just open when mark on flywheel is aligned with first mark (FM) on crankcase. Top center mark is shown at TC.

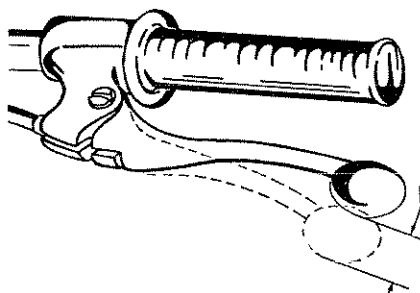


Fig. HK6—Clutch lever should have 6MM free play as measured at (B).

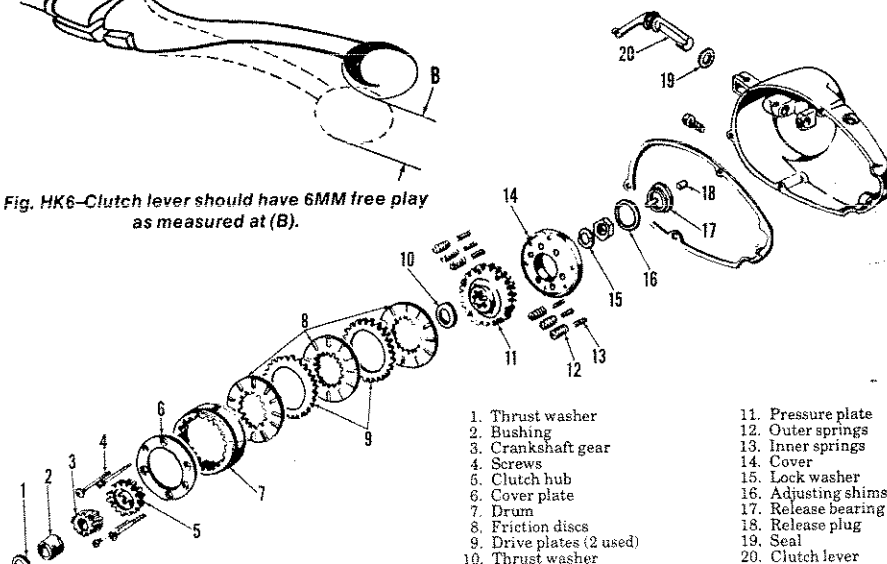


Fig. HK7—Exploded view of clutch and cover assembly used on early models. Later models are similar, with the addition of one screw (4) and one more set of springs (12 & 13). Diameter is also increased on later clutch.

IGNITION AND ELECTRICAL.

An energy transfer type flywheel magneto is used on all models. Coils for ignition and lighting are contained beneath flywheel.

Breaker point gap should be 0.3-0.4MM (0.012-0.015 inch) at point of widest opening. Ignition should occur, breaker points just open, when mark on flywheel aligns with first mark (FM-Fig. HK5) on crankcase. Timing is adjusted by varying breaker point gap within recommended limits. Crankshaft should be 23 degrees BTDC on Combat Wombat 125 and 25 degrees BTDC on all other models when timing mark on flywheel and first mark on crankcase align. Piston is 2.46MM (0.968 in.) BTDC at 23 degrees and 2.89MM (0.114 in.) BTDC at 25 degrees. Second mark on crankcase is TDC mark. Flywheel retaining nut should be torqued to 150-200 kg-cm (120-161 inch-pounds).

LUBRICATION. Engine lubrication is accomplished through oil mixed in the gasoline. An oil intended for use in air cooled two-stroke engines should be mixed with gasoline in a 1:16 ratio for initial break-in and competition use and in a 1:20 ratio for normal operation. The gear box and clutch is lubricated by 1¼ pints SAE 30 motor oil. Gear box oil should be maintained at top mark on filler plug dipstick.

CLUTCH. The wet type, multiple disc clutch is located on right side of engine. The hand lever should have approximately ¼-inch free play as shown at B-Fig. HK6. Adjustment is accomplished at both ends of clutch cable. Further clutch adjustment is accomplished by adding or subtracting washers (16—Fig. HK7).

APPENDIX B

Hoda

HODAKA SALES

HODAKA SALES PER AREA TO JUNE 1978

PACIFIC BASIN TRADING COMPANY

History of Hodaka Motorcycles Sales Per Area

June 30, 1978

Distributor	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	Total
A.F.S.	52	950	1100	800	954	400	114	590	600	492	445	275	633	584	254	4370
Ace Distributors						12	358	790	600	492	560	181	1507	956	192	4203
Big 4																3376
Bill's Hodaka Sales	18	392	400	260	550	538	1356	1300	1600	1504	1302	781	985	1185	277	12448
Boulder Parts			100	100	2											202
Decker							350	550	700	604	489	50	444**	835**	211**	2743
Jeanne/Action/S & P**							404	450	602	151/55*	597	104/1**	444**	835**	211**	3854
Leaville/Hodaka May*	240	800	1200	500	1300	502	1276	801	584	556*	314*	85*	323*	497*	168*	9140
Major	440	300	373	700	600		1350	1450	1500	726	1266	253	637	977	204	10776
N. E. Hodaka							1196	1200	1348	1348	1905	825	884	1008	36	9832
Penn Artic/M.O.T.*							974	1448	1200	1527	2013	333	943*	1568*	556*	10892
Rec. Sports							1987	1368	1284	1010	1052	691	764	887	186	5883
Scandinavian							1150	946	937	648	3078	856	990	1025	202	15927
THIGHEN/Cycle Fast*		276	50	544	600		1658	1884	2747	3064	748	166	578	540	256	7498
Tiger							2155	1149	1091	815						
Comp. Mtrn/Shade Tree*		110	50	150	4	158	20/106*	102*	100*	70*	228*	60*	105*	63*		1012
Alaska Rec/SE Alaska*						16*		4*	6*	10*	16*					366
Montgomery Mtrs/Hawaii		74	24		18	18		32	46	46		2				242
J. Cosco	106	514	724	701	624	431										3100
J. Higgins	11	125	6													142
H. Nelson	146	915	1562	2012	3319	1637										9591
P. F. Stranahan	109	336	423	382	624	587										2461
Distributors/Mexico																56
KTEL/Combin*			202	200			56	482*	1200*	302*	553*	202*	230*	570*	162*	4433
Levi/Tron													2			2
Mia Motors/Nigeria																200
Milledge Bros/Australia					100	200	150	338	150	549	473	2	36	2		2050
Spentros Bros/Greece													21			21
Pavlatco	72	31	28	17	14	43	40	15	19	53	50	38	36	64	58	583
TOTAL	759	4687	6395	5545	9653	6774	15050	13889	15736	13484	15069	4905	9118	10761	3117	134942

SUMMARY:

	1964 through June 1978	1970 through June 1978
Inside U.S.A.	138160	95299
Outside U.S.A.	6782	5830
Total	134942	101129
Inventory 6/78	5283	
Total	140225	

Hodaka Sales by State

PACIFIC BASIS TRAINING COMPANY
HODAKA MOTORCYCLE SALES: (JANUARY/MARCH) 1970 - 1978 (July N/E)

State/Area	Purchases by Distributor From Pacific												Actual Regis. Cards Received	5.5 Yr. Applied Units	X to Total	State/Area
	1970	1971	1972	1973	1974	1975	1976	1977	1978	Total	1976	1977	1978	Total	State	
State/Area	1970	1971	1972	1973	1974	1975	1976	1977	1978	Total	1976	1977	1978	Total	State	X to Total
Alabama	388	590	600	452	445	275	633	584	254	4,381	137	280	112	519	2,808	
Arizona	350	550	700	604	469	50				2,743	231	237	74	542	1,075	2.9
California										6,934				1,280	3,051	1.2
Colorado															6,934	3.2
Connecticut																2.4
Delaware																2.2
District of Columbia																2.8
Florida																2.6
Georgia																2.1
Hawaii																2.0
Idaho																1.9
Illinois																1.8
Indiana																1.7
Iowa																1.6
Kansas																1.5
Kentucky																1.4
Louisiana																1.3
Maine																1.2
Massachusetts																1.1
Michigan																1.0
Minnesota																0.9
Mississippi																0.8
Missouri																0.7
Montana																0.6
Nebraska																0.5
Nevada																0.4
New Hampshire																0.3
New Jersey																0.2
New Mexico																0.1
New York																0.0
North Carolina																0.0
North Dakota																0.0
Ohio																0.0
Oklahoma																0.0
Oregon																0.0
Pennsylvania																0.0
Rhode Island																0.0
South Carolina																0.0
South Dakota																0.0
Tennessee																0.0
Texas																0.0
Utah																0.0
Vermont																0.0
Virginia																0.0
Washington																0.0
West Virginia																0.0
Wisconsin																0.0
Wyoming																0.0
Total	4,370	4,203	3,376	1,248	202	2,743	3,834	9,140	9,832	10,562	3,883	1,692	7,498	10,129	13,942	583

SUMMARY:

1964 through	1970 through
June 1978	June 1978
121,160	5,310
Inside U.S.A.	Outside U.S.A.
6,782	10,129
Total	13,942

