# Operator's Manual SUPPLEMENT Model No. 580B-0

### **AWARNING:**

Read Engine
Owner's Manual,
Vehicle Operator's
Manual, and
Supplement
Carefully Before
Operating Vehicle.

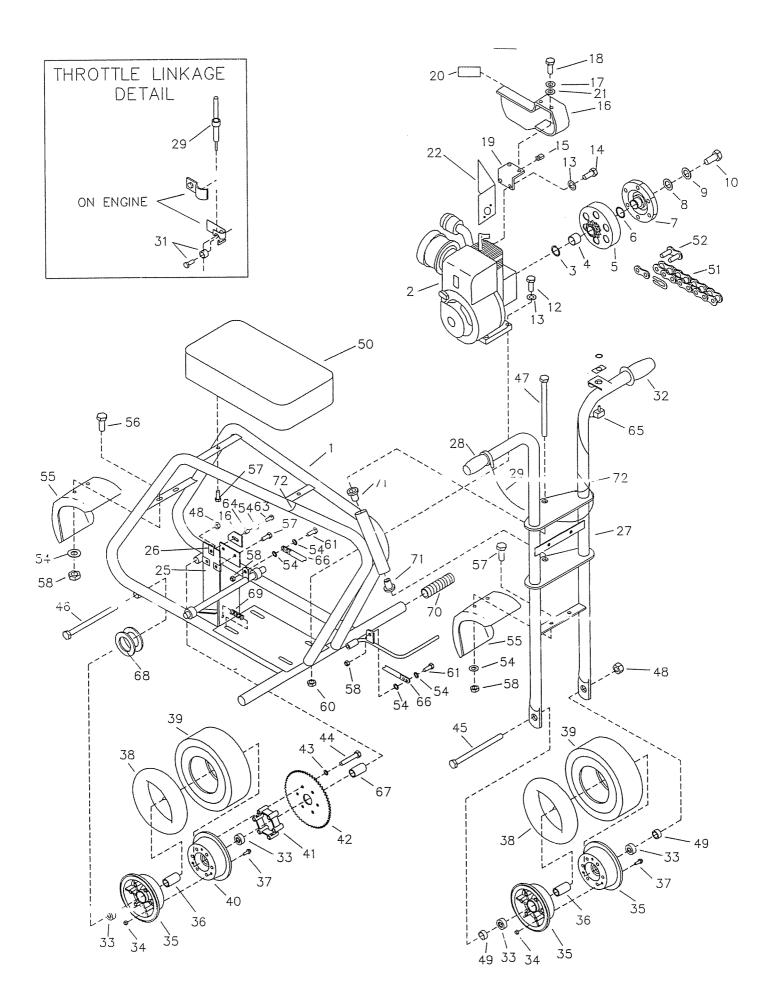
Parts List Assembly Instructions



4404 Engle Ridge Drive, ph (219) 432-1596 Fort Wayne, IN fx (219) 432-7870

## THIS VEHICLE IS FOR OFF-ROAD USE ONLY

BEFORE OPERATING THIS VEHICLE, THE OWNER AND/OR OPERATOR MUST UNDERSTAND THE VEHICLE WAS NOT DESIGNED OR MANUFACTURED TO MEET SPECIFICATIONS FOR USE ON STREETS, HIGHWAYS, OR THOROUGHFARES AND HAVE READ AND HAVE AN UNDERSTANDING OF ALL THE INSTRUCTIONS FOR SAFE ASSEMBLY AND OPERATION AS WELL AS THE INSTRUCTIONS GOVERNING THE ENGINE AND OTHER PORTIONS OF THE VEHICLE.



REF	PART		REF	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1	6335-5	Frame	49	4266-16	Spacer, 5/8ID-11GA x 1-1/8"
2	4186C	Engine, 3.5HP Tecumseh	50	8594	Seat
ASM	4335	Clutch, 35 Chain x 12 Tooth	51	2280	Chain, #35 x 116 Pitch (inc.#52)
3	3141	Snap Ring	52	1269	Masterlink, #35 Chain
4	3143	Bushing, Clutch	53		Not Used
5	4491	Drum w/ Sprocket (inc. REF 4)	54	1854	Washer, #14 Flat
6	3146	Washer, Fiber	55	2018-2	Fender
7	4496	Clutch Rotor	56	5839	Bolt, 1/4-20 x 3/4" Whiz Flange
8	8186	Washer .391 ID x 1 1/4x1/8	57	9006	Bolt, 1/4-20 x 1/2" Whiz Flange
9	1130	Washer, 3/8 SL Z	58	9057	Nut, 1/4-20 Lock
10	9073	Bolt, 3/8-24 x 3/4"	59	also tale tale fore year four over	
11	00.0	Not Used	60	1263	Nut, 5/16-18 Whiz Flange
12	9186	Bolt, 5/16-18 x 1-1/2"	61	1846	Bolt, 1/4-20 x 3/4"
13	9030	Washer, 5/16" Interlock	62	that has been take that there there is not	
14	9101	Bolt, 5/16-24 x 1/2"	63	1845	Bolt, 1/4-20 x 5/8"
15	5135	Nut, Clip	64	9949	Bushing, 1/4" ID x 1/4" Long
16	6495	Chainguard, (inc. # 20)	65	6417	Stop Switch
17	6039	Washer, #10 Internal Lock	66	6336-2	Brake Rod
18	6046	Screw, #10-24 x 1/2"	67	2019-16	Spacer, 5/8ID x 11ga x 1-3/4
19	6480-2	Bracket, Chain Guard	68	1119	Spacer 5/8ID x1 1/16OD x 1/8 Z
20	8585	Decal, Sheet Warning	69	4365	Spring
21	9104	Washer #10 Flat Std Z	70	2274	Grip, Foot
22	9964	Muffler Shield	71	9507	Bushing
23		Not Used	72	1019	Ty-Wrap
24		Not Used	73		Not Used
25	6479-2	Chainguard, Lower	NI	2684	Engine Owner's Manual
26	2449	Nut, Tinnerman	NI	4198	Mini-Bike Operator's Manual
27	6352-5	Fork	NI	9257R2	Illustrated Parts List
28	11160	Grip Assembly (inc. #29)			
				ASM = Ass	sembly
29	8253	Throttle Cable with Housing		NI = Not II	llustrated
30		Not Used			
31	1018	Cable Stop with Screw			
32	11158	Grip, Dummy			
ASM	2247	Frt Wheel Asmbly (inc. #33-39)			
ASM	2245	Drv Wheel Asmbly (inc. #33-44)			
33	1093	Bearing			
34	1186	Nut, 1/4-20 Whiz			
35	8004	Wheel Half, 5"			
36	5949	Spanner, 5/8ID x 1-13/16"			
37	5839	Bolt, 1/4-20 x 3/4"			
38	1753	Tube, 5"			
39	2246	Tire, 4.10 - 3.50 x 5"			
40	8006	Wheel Half, 5" Tapped			
41	8008	Spacer			
42 43	8007-2	Sprocket, 35 Chain x 60 Teeth			

Washer, 5/16 Int Lock

Bolt, 5/16-18 x 2-1/4"

Bolt, 5/8-11 x 6.5"

Bolt, 5/8-11 x 9.5"

Bolt, 5/8-11 x 7.0"

Nut, 5/8-11 Top Lock

#### **ASSEMBLY PROCEDURES**

#### GENERAL

- 1. Carefully unpack all parts from shipping containers.
- 2. Locate and unpack the Mini-Bike Operator's Manual.
- 3. Complete the information block on the back page of the Operator's Manual.
- 4. Identify and verify all parts in the Parts Pack.
- 5. Reference the Exploded View for correct assembly of all parts.

#### FRONT WHEEL ASSEMBLY

NOTE: For easier assembly, complete step 2 listed under Miscellaneous Assembly.

1. Insert one Bolt (REF 45) through the Fork Assembly lower Axle mounting hole. Place one Spacer (REF 49) on the Bolt. Insert the Bolt into the Front Wheel Assembly. HINT: If the bolt will not slide into the Front Wheel Assembly, insert a long screw driver, or similar object, from the other side of the Axle. Use the screw driver to move the internal spanner so that it does not interfere with the Bolt. Place the remaining Spacer on the Bolt. Insert the Bolt through the other hole in the Fork Assembly and secure with one Nut (REF 48). Tighten until all side play is removed from the Front Wheel Assembly. Ensure that the Wheel rotates freely.

#### THROTTLE ASSEMBLY

The Twist Grip Assembly must be mounted on the Handlebar before the Fork Assembly is mounted to the Frame. The length of the Throttle Cable will not allow assembly in reverse order.

- 1. Remove the rear-most Ty-Wrap holding the Twist Grip (REF 28) and Stop Switch (REF 65) secure during shipping. Discard the Ty-Wrap. Also remove the Ty-Wrap holding the two Handlebar Grips together. Discard the Ty-Wrap. Slide the Dummy Grip (REF 32) onto the Left Handlebar.
- 2. Separate the Throttle Cable and Stop Switch Wire. Lay the Stop Switch to the Left side of the Frame. Rout the Throttle Cable (REF 29), as shown in Figure

- 1, along the Top, Right side of the Frame, and between the Upper Crown Plate and Front Plate Mounting Bracket.
- 3. Loosen the two Screws on the Twist Grip. Slide the Twist Grip all the way onto the Right Handlebar. Do not tighten the Screws at this time.

#### FORK ASSEMBLY

- 1. Place one Bushing (REF 71) in each end of the Frame Pivot Tube. HINT: The Bushings may be held in place with a small strip of tape. Do not place tape over the hole.
- 2. To mount the Fork Assembly to the Frame, align the Fork Pivot Holes with the Frame Pivot Tube and insert the Bolt (REF 47) through the Fork Holes and Bushings. Ensure the Throttle Cable is to the right of the Pivot Tube, see Figure 1. It may be necessary to tap the head of the Bolt with a hammer to seat it in position against the Nut welded to the bottom side of the Lower Fork Plate. Tighten the Bolt until there is no play between the Fork and the Pivot Tube but will still allow the Fork to rotate freely.



WARNING: The Fork must be able to rotate freely for safe operation.

#### THROTTLE ASSEMBLY CONTINUED

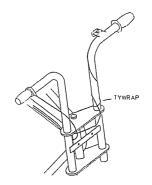


Figure 1: Routing Diagram

- 4. Slide the Twist Grip all the way onto the Right Handlebar, then back off approximately 1/4". This will ensure that the Twist Grip will not bottom out on the end of the Handlebar.
- 5. Rotate the Twist Grip so that the Throttle Cable points downward and slightly ahead. The Throttle Cable and Housing should form a smooth curve from the Twist Grip to the upper Frame tube, see Figure 1. Tighten the two Screws in the Twist Grip securely.

CAUTION: Rotate the Grip counterclockwise to the full open position and release it to insure that it snaps back to the idle position. The Twist Grip must rotate easily in both directions to ensure safe operation. If the Twist Grip does not rotate easily in both directions, repeat the assembly procedure.

#### STOP SWITCH ASSEMBLY

- 1. Rout the Stop Switch Wire (REF 65), as shown in Figure 1, along the Top, Right side of the Frame, under the Top Crown Plate, and between the Pivot Tube and Right Fork Tube. Wrap the Wire around the Left Handlebar one time. Remove the Nut and On/Off Plate from the Stop Switch. Pass the Stop Switch up through the mounting hole on the Handlebar. Replace the On/Off Plate and the Nut. Work any slack in the Stop Switch Wire towards the Pivot Tube and apply one Ty-Wrap (REF 72) as shown in Figure 1. Securely tighten the Nut.
- 2. Turn the Handlebar through its full range of movement to ensure that neither the Throttle Cable Housing nor the Stop Switch Wires bind, stretch, or are pinched in the process. Correct any problems.

#### SEAT ASSEMBLY

1. Mount the Seat to the Frame using two Bolts (REF 57). Fasten securely. Do not over tighten.

#### MISCELLANEOUS ASSEMBLY

- 1. Mount the Face Plate (REF 53) to the Forks using two Bolts (REF 57), two Washers (REF 54), and two Nuts (REF 58). The Washers should be positioned between the Bolts and the Face Plate. Tighten securely.
- 2. Mount the Front Fender (REF 55) to the Forks using two Bolts (REF 57), two Washers (REF 54), and two Nuts (REF 58). The Washers should be positioned between the Nut and the Fender. Tighten securely.
- 3. Slide Foot Grips (REF 70) onto the Frame.

#### PRE-RIDE MAINTENANCE

1. Carefully and completely read the Engine Owner's Manual. Fill the Engine Crankcase with oil as described in the Engine Owner's Manual.



CAUTION: The Engine is shipped without oil in the crankcase.

- 2. Carefully and completely read the Mini-Bike Operator's Manual. Follow the Pre-Ride Inspection steps. Fill the Fuel Tank with Fuel and lubricate appropriate points as described in the Mini-Bike Operator's Manual.
- 3. If there are any problems or discrepancies, contact your Dealer or the Customer Service Department at Manco Products, Inc.

#### **NOTES**