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# Yamaha Banshee Twin Pipes

## Part #09-350

**IMPORTANT:** Read instructions carefully before installation.

**Pipe Installation:**

1. Remove stock exhaust pipes and silencers. (Retain OEM springs and bolts for pipe installation.)
2. Remove OEM head pipe o-rings from the stock and pipe and place into SLP pipes.
3. Remove front fender supports from the frame and swing out of the way (see illustration #1).
4. **Install SLP pipes:** Spring pipes into place using OEM springs. Bolt pipe to the frame using OEM bolt and rubber pipe support (see illustration #2). **Note:** Do not tighten bolt.
5. **Silencer installation:** Run a bead of silicone sealer such as Loctite 598 Ultra Black around silencer stinger and slide the silencer into pipe. Using OEM bolt, attach the lower stinger support bracket to the frame. Attach upper silencer bracket to the frame using the 8mm x 45 mm bolt, 1" flat washer, vibro support, and vibro support spacer provided (see illustration #3). (4) 5/16" flat washers have been provided to adjust pipe and/or silencer clearance to 1/8" from frame and fender. Tighten all bolts.

**Important Note: If using stock Banshee air box SLP strongly recommends the use of SLP’s Flow-Rite™ Intake kits (2) of part #14-189 in the air box top and (1) in the rear of the air box (all jetting recommendations with the Banshee air box are with Flow-Rite Intake Kits installed).**

**Flow-Rite Installation:**

1. Remove air box top. Center and drill (2) 3 1/8" holes for the #14-189 Flow-Rites™ from the bottom side of the air box (NOTE: Make sure not to remove tab that holds the air filter in place). The vertical supports in the center of the air box will need to be notched 1/8" down and 1/4" in to accommodate the lip of the Flow-Rite (see illustration #4).
2. Using a deburring tool, debur top and bottom side of holes.
3. Start Flow-Rite™ intake vent into hole by hand with one lip above plastic and one below plastic (similar to walking the bead of a tire onto a wheel) and finish insertion of vent with the use of a blunt object such as a straight blade screw driver.
4. Center and drill a 3 1/8" hole in the rear of the air box bottom (see illustration #5) and repeat steps 2 and 3.

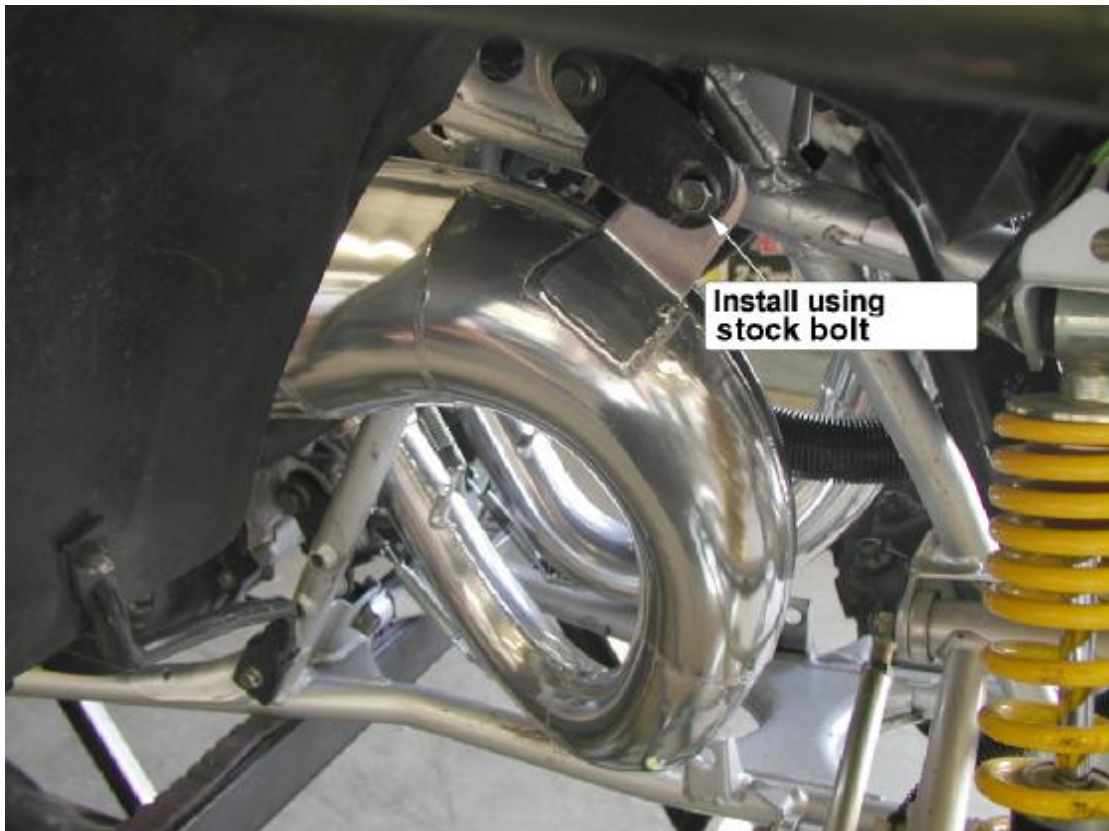
**Installation of SLP Advance Key:**

1. Remove foot peg, shifter, left side flywheel cover and flywheel nut.
2. Using a flywheel puller remove the flywheel and place the crankshaft in the 12 o'clock position.
3. Remove the stock key and replace it with the SLP Advance Key so the offset is towards the front of the machine (see illustration #6).
4. Replace flywheel nut and torque nut to factory spec (58 ft./lbs.)
5. Reinstall flywheel cover, shifter and foot peg.

# ILLUSTRATION #1



# ILLUSTRATION #2



# ILLUSTRATION #3

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# ILLUSTRATION #4

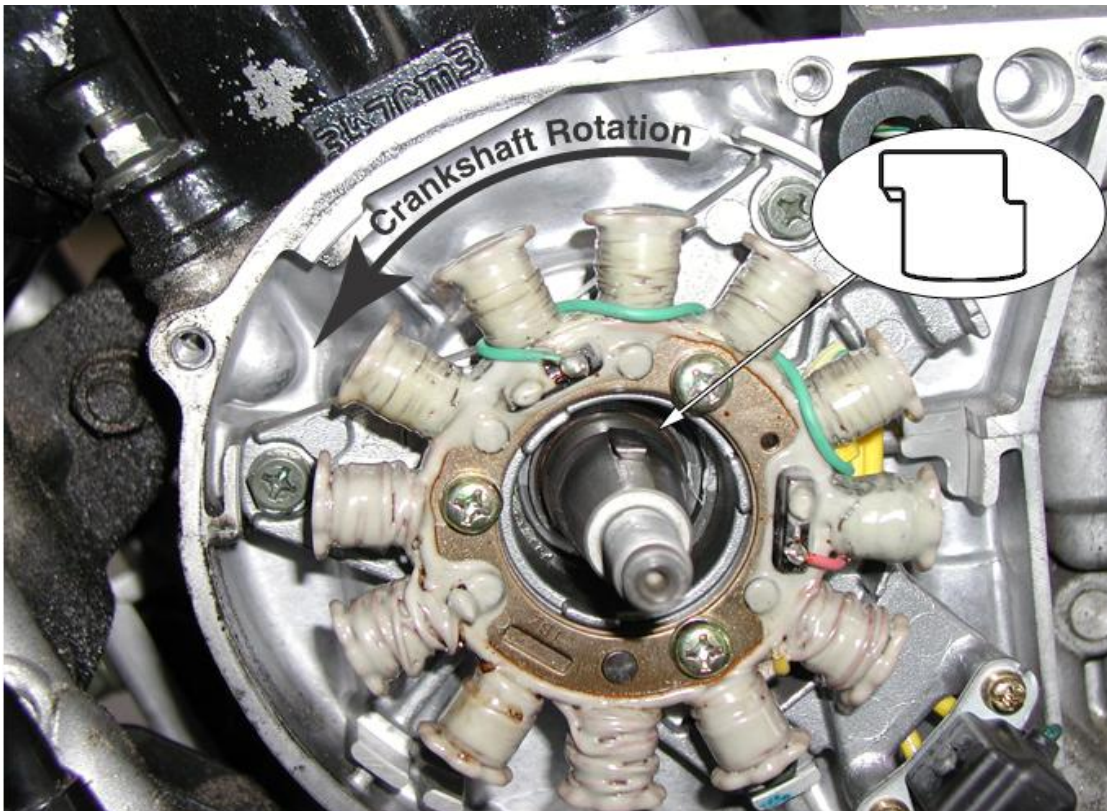




## ILLUSTRATION #5



## ILLUSTRATION #6



# CARBURETOR SETTING APPLICATION CHART

**Banshee 350 stock engine with SLP Pipes, 3 degree ignition advance and  
3 - Flow-Rites™ in air box**

Pilot - 25 (stock)  
Needle - 5N7 (stock)  
Slide - 2.0 (stock)  
Airscrew - Adjust as needed for best throttle response

Temperature	Altitude							
		Sea Level	500m (1600 ft)	1000m (2300ft)	1500m (4900ft)	2000m (6500ft)	2500m (8200ft)	3000m (9800ft)
40°C (104°F)	①	<u>250</u>	<u>230</u>	<u>200</u>	<u>190</u>	<u>170</u>	<u>160</u>	<u>150</u>
	②	3	3	2	2	1	1	1
30°C (86°F)	①	<u>260</u>	<u>240</u>	<u>210</u>	<u>200</u>	<u>180</u>	<u>170</u>	<u>160</u>
	②	3	3	2	2	2	1	1
20°C (68°F)	①	<u>270</u>	<u>250</u>	<u>220</u>	<u>210</u>	<u>190</u>	<u>180</u>	<u>170</u>
	②	3	3	2	2	2	2	1
10°C (50°F)	①	<u>280</u>	<u>260</u>	<u>230</u>	<u>220</u>	<u>200</u>	<u>190</u>	<u>180</u>
	②	4	3	3	2	2	2	2
0°C (32 °F)	①	<u>290</u>	<u>270</u>	<u>240</u>	<u>230</u>	<u>210</u>	<u>200</u>	<u>190</u>
	②	4	3	3	3	2	2	2

① Main Jet No.

② Needle Position (groove from the top)

## **Banshee 350 w/SLP pipes, ported cylinders and mod stock head, V-Force reeds, 3 degree ignition advance, 34mm Mikuni Round Slides, and K & N Filters**

Pilot - 35 Slide - 1.5  
Needle Jet - 159 Q-0 Airscrew - Adjust as needed for best throttle response  
Needle - 6DH7

Temperature	Altitude							
		Sea Level	500m (1600 ft)	1000m (2300ft)	1500m (4900ft)	2000m (6500ft)	2500m (8200ft)	3000m (9800ft)
40°C (104°F)	①	<u>270</u>	<u>250</u>	<u>230</u>	<u>210</u>	<u>190</u>	<u>180</u>	<u>170</u>
	②	3	2	2	2	1	1	1
30°C (86°F)	①	<u>280</u>	<u>260</u>	<u>240</u>	<u>220</u>	<u>200</u>	<u>190</u>	<u>180</u>
	②	3	3	2	2	2	1	1
20°C (68°F)	①	<u>290</u>	<u>270</u>	<u>250</u>	<u>230</u>	<u>210</u>	<u>200</u>	<u>190</u>
	②	3	3	2	2	2	2	1
10°C (50°F)	①	<u>300</u>	<u>280</u>	<u>260</u>	<u>240</u>	<u>220</u>	<u>210</u>	<u>200</u>
	②	3	3	3	2	2	2	2
0°C (32 °F)	①	<u>310</u>	<u>290</u>	<u>270</u>	<u>250</u>	<u>230</u>	<u>220</u>	<u>210</u>
	②	3	3	3	2	2	2	2

① Main Jet No.

② Needle Position (groove from the top)

## Banshee 350 w/SLP pipes, ported cylinders and mod stock head, V-Force reeds, 3 degree ignition advance, 38mm TMX Carbs and K & N Filters

Pilot - 25                      Slide - 3.0  
Needle - 6EJ12-56      Airscrew - Adjust as needed for best throttle response

Temperature	Altitude							
		Sea Level	500m (1600 ft)	1000m (2300ft)	1500m (4900ft)	2000m (6500ft)	2500m (8200ft)	3000m (9800ft)
40°C (104°F)	① ②	<u>320</u> 4	<u>300</u> 3	<u>280</u> 3	<u>260</u> 3	<u>240</u> 1	<u>230</u> 1	<u>220</u> 1
30°C (86°F)	① ②	<u>330</u> 4	<u>310</u> 3	<u>290</u> 3	<u>270</u> 3	<u>250</u> 3	<u>240</u> 1	<u>230</u> 1
20°C (68°F)	① ②	<u>340</u> 4	<u>320</u> 4	<u>300</u> 3	<u>280</u> 3	<u>260</u> 3	<u>250</u> 3	<u>240</u> 1
10°C (50°F)	① ②	<u>350</u> 4	<u>330</u> 4	<u>310</u> 3	<u>290</u> 3	<u>270</u> 3	<u>260</u> 3	<u>250</u> 3
0°C (32 °F)	① ②	<u>360</u> 4	<u>340</u> 4	<u>320</u> 4	<u>300</u> 3	<u>280</u> 3	<u>270</u> 3	<u>260</u> 3

① Main Jet No.

② Needle Position (groove from the top)

**Carburetor Tuning Note:** Carb tuning specifications included in this section are a base line and should be adjusted as needed for your atmosphere. Use exhaust gas temperature guages and/or monitor piston wash as a tuning guide.

## GEARING APPLICATION CHART

**Banshee 350 stock engine with SLP Pipes, 3 degree ignition advance and  
3 - Flow-Rites™ in air box**

Altitude	Counter Shaft	Rear	Chain
0-3000 ft.	13	41	520-104
3-6000 ft.	13	44	520-106
6-9000 ft.	13	44	520-106

**Banshee 350 w/SLP pipes, ported cylinders and mod stock head, V-Force reeds,  
3 degree ignition advance, 34mm Round Slides or 38mm TMX Carbs and K & N Filters**

Altitude	Counter Shaft	Rear	Chain
0-3000 ft.	14	41	520-104
3-6000 ft.	14	41	520-104
6-9000 ft.	13	41	520-104

Gearing was done in St. Anthony, Idaho, at 5000' elevation in dry soft sand with 21 x 12 - 8  
10 paddle Skat-Trak Haulers