

# NPS ENGINES

Break In Procedure and Recommended Accessories.

Series R- YZF-R6

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## Recommended Accessories, Fluids and Fuels.

<u>Accessory</u>	<u>Manufacturer</u>	<u>Part #</u>	<u>Qty.</u>
Engine Oil	Maxima Break In 10w30	NPS-BIO-1030	4
Engine Race Oil	Maxima Extra 10w60	NPS-EX-1060	4
Oil Filter	HiFlo	NPSHF-204r	1
Spark Plugs	NGK	NPS-CR10e	4
Oil Pan	NPS Inc.	NPS-BOP-Y6	1
Crankcase Breather Kit	NPS Inc.	NPS-CCB-1	1
Injection Kit	NPS Inc.	NPS-FIR3	1
Fuels	VP	U4, MR12	5

## Recommended Start Up Procedure.

- Set spark gap (.028") and install the recommended spark plugs.
- Add 3.5 to 4 quarts of the recommended **Break-In** engine oil.
- Fill engine oil to the top of the dip stick on the right side of the engine.
- Loosen oil filter and verify oil flow by cranking starter with ignition and fuel delivery system disabled.
- Tighten oil filter and reset engine oil level.
- Add fuel to your fuel delivery system and purge air from the injection system.
- Enable ignition and fuel systems.
- Start engine and let it run for 1 minute at a minimum of 3,000 RPM
- Turn off engine and let it sit for 3 minutes.
- Check engine oil and all fluid levels.
- Start engine and let it run to 165°F at various throttle then turn engine off.
- Let engine set for 5 minutes.
- Check all fluids and set levels.
- Start engine, while varying throttle above 3,000 RPM bring temps to 185°F and turn engine off. Change oil to **Race** engine oil.

## Practice Session and Race.

- Bring engine up to 180°F in your pit before entering the race track.
- Keep engine below 12k RPM and below 200°F for 5 practice laps.
- Return to pits, Turn off engine and let it sit for 5-10 minutes.
- Check all fluids and levels.
- Restart engine and bring up to 185°F then turn the engine off.
- Check oil and all fluid levels.
- Start engine and bring it up to 180°F before entering the racetrack for Racing.
- Keep engine off rev limiter at all times.
- Keep engine below 200°F at all times.
- **Keep NPS R6 engines above 3,000 RPM during all running conditions.**

\*Not following these recommendations and procedures can seriously effect your engines integrity and optimum performance.\*

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