

# BRIGGS SUPER STOCK

JANUARY 2021





## SUPER STOCK UPGRADE KIT

- 2<sup>nd</sup> life for old LO206 engines
- New higher performance racing class
- Upgrade requires cutting seals, honing cylinder and replacing components

### Kit Includes

- High compression (10.5 : 1) domed piston and rings
- Higher lift cam and matched valve springs.
- Billet connecting rod
- Blue Animal coil with no rev limiter 12000rpm (555681)
- Replacement stock LO206 piston rings, gaskets, and spark plug



## PERFORMANCE COMPARISON

40% more HP!

### HORSE POWER COMPARISON

- 206 Super Stock 13.1HP
- World Formula with Animal Coil 12.5HP
- Blueprinted Animal 11.5 to 12HP
- LO 206 9.3HP



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## WHY SUPER STOCK?

- Current LO206 engines are 9-10 HP. This is significantly lower than 2-Cycle classes
- Racers desire a more challenging and competitive racing class vs. current LO206
- Old LO206 bottom ends become unusable with wear and can't be refreshed with seals, provides a path to convert to a step up racing class.
- Current 6000 rev limit LO206 leads to pack drafting and doesn't necessarily reward the most skilled drivers. Racers can be half to full second off pace, yet are able to use draft to keep up.
- Compete with much higher cost 2-Cycle racing classes.
- Benefits karting by offering an alternative to race at a higher level at a lower cost.



## RULES

- Published set of racing rules can be found at: <http://fastermotors.net/206Superstockrules.html>
- Standard LO206 engine with addition of performance enhancing components (piston, cam, rod, springs)
- Standard LO206 components and most rules still used:
  - LO206 Block (no decking or welding)
  - Carb (stock LO206 with stock jets)
  - Spark plug (stock LO206 Champion RC9YC)
  - Filter (stock LO206 air filter)
  - Head (stock RTI head)
  - Valves & lifters (LO206 stock)
  - Piston Rings (LO206 stock)
- Unlimited blue coil (stock Animal coil)
- No engine seals, engines will need to be broken down and subject more detailed tech
- Could be run on gas or methanol.



## POTENTIAL SEALED ENGINE PROGRAM

- Super Stock could be extended to include engine seals to drive engine consistency and create level playing field
- Would be potential WIN/WIN for both engine builders and karters:
  - Provide engine builders business building Super Stock motors
  - Provide kart racers with a consistent 4-cycle engine platform with 40% more HP than LO206
- Seals would be provided to certified Super Stock Engine builders
- All Super Stock Engines used in competition would be required to be built by a certified Super Stock Engine Builders.
- Engine builders could gain entry into the program by signing Super Stock Engine Builder Terms & Conditions
- Seals provided to engine builders. Would be required to track engine seal number and engine serial number pairs.
- Engines could be rebuilt with new components and cylinder reconditioning, but would require engine to be resealed with a new seal.



## MARKETING

- Advertise on social media
- Run promotion to seed market
- Do web conference with engine builders to introduce, get feedback and enlist support.
- Do web conference with Cup Kart leadership to get support
  - Run Super Stock local option class at a few Cup Kart Regional races
  - Move towards making an official class in 2022
- Give presentation introducing benefits & specification to various local karting clubs.
- Get an engine available at various local tracks to loan out provide test drives
- Encourage participation in Cup Kart Regional Races this season with marketing.



## PROMOTIONAL OFFER

- Seed market with a number of engines
- Special offer price for first 50 customers
- \$





# QUESTIONS & DISCUSSION