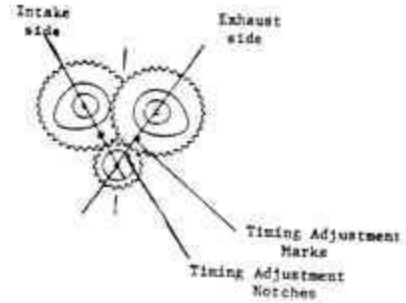


How to obtain reverse rotation from Enya Engines

Enya .53 4-stroke engines:

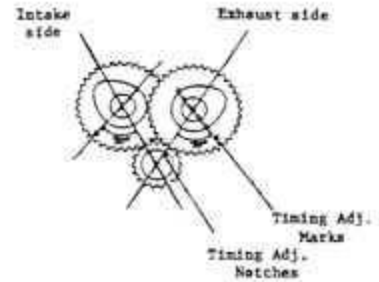
Regular Revolution:

- Timing Gear Position: At the dead point on the piston
- Valve Timing:
 - Intake side valve: Open 20 degree B.T.D.C.
Close 60 degree A.B.D.C.
 - Exhaust side valve: Open 60 degree B.B.D.C.
Close 20 degree A.T.D.C.



Reverse Revolution:

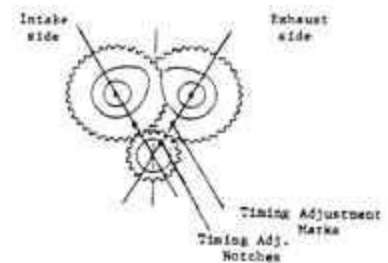
- Timing Gear Position: Assemble the gears by shifting both intake gear and the exhaust gear 70 degrees (7 cogs) to the right and left from the regular position.



Enya .60 & .80 4-stroke engines:

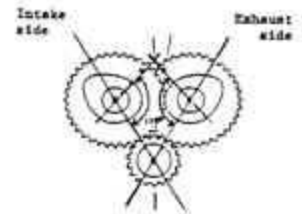
Regular Revolution:

- Timing Gear Position: At the dead point on the piston
- Valve Timing:
 - Intake side valve: Open 20 degree B.T.D.C.
Close 60 degree A.B.D.C.
 - Exhaust side valve: Open 60 degree B.B.D.C.
Close 20 degree A.T.D.C.



Reverse Revolution:

- Timing Gear Position: Assemble the gears by shifting both intake gear and the exhaust gear 110 degrees (11 cogs) to the right and left from the regular position.



Enya R1.20, GP R1.20 & R1.55 4-stroke engines:

Regular Revolution:

- Timing Gear Position: At the dead point on the piston
- Valve Timing:
 - Intake side valve: Open 30 degree B.T.D.C.
Close 70 degree A.B.D.C.
 - Exhaust side valve: Open 70 degree B.B.D.C.
Close 30 degree A.T.D.C.

Reverse Revolution:

- Timing Gear Position: Assemble the gears by shifting both intake gear and the exhaust gear 110 degrees (11 cogs) to the right and left from the regular position.