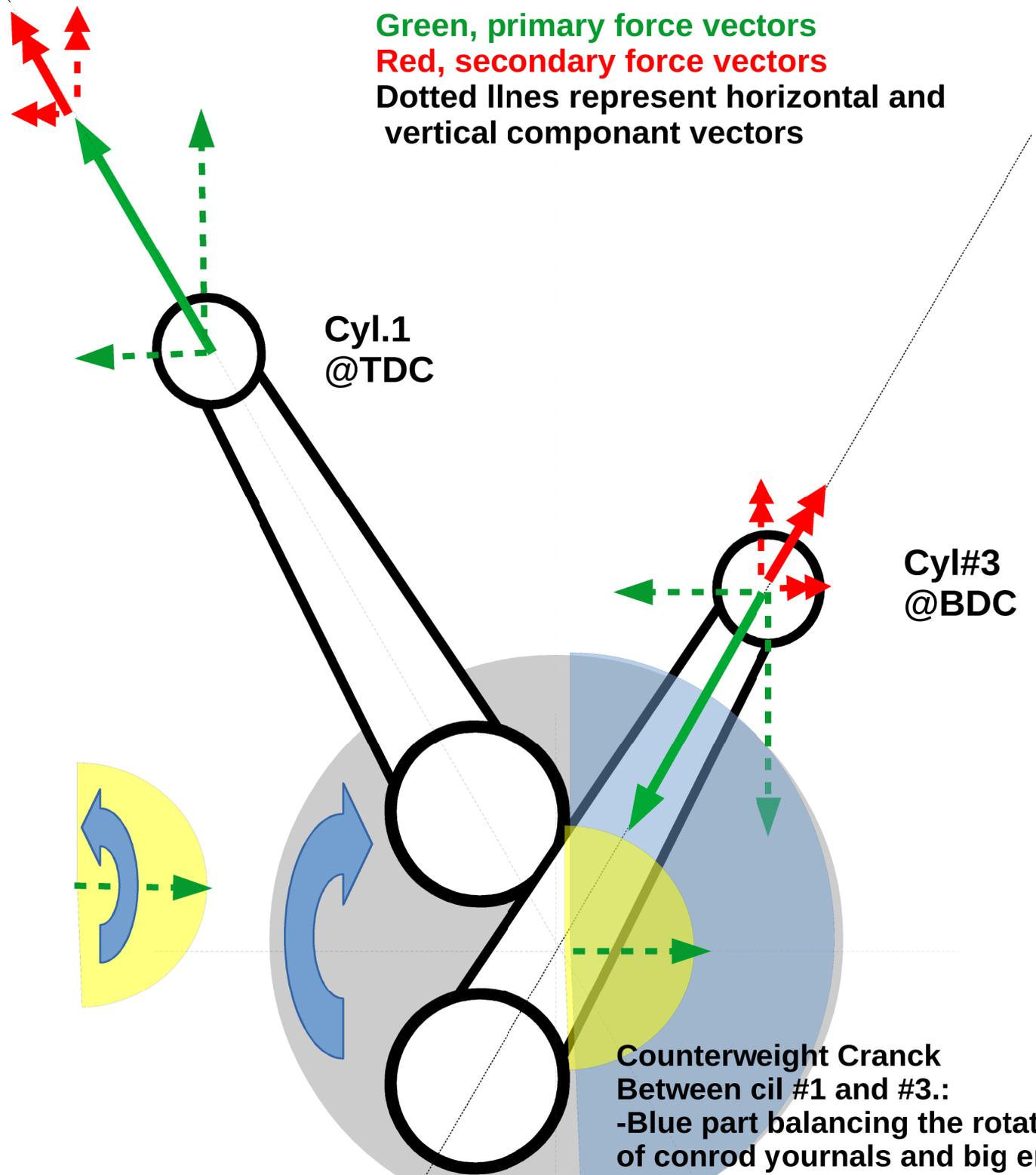


Supposed Ford V4 balance shaft function  
 Front view of engine. Cyl.#1 @TDC; Cyl#3 @BDC.  
 Vedrive 2-5-22

Green, primary force vectors  
 Red, secondary force vectors  
 Dotted lines represent horizontal and vertical component vectors



Cyl.1  
 @TDC

Cyl#3  
 @BDC

Counterweight Cranck  
 Between cil #1 and #3.:  
 -Blue part balancing the rotating mass  
 of conrod yournals and big end.  
 -Yellow part partly balancing  
 reciprocating piston mass.

Yellow balance shaft +  
 Imaginary yellow part of cranckshaft  
 are canceling the horizontal  
 primary vector of reciprocating  
 piston mass