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MiscRes: Video

IronHead Starter / Kickstart Related Videos

Kickstart

Videos by The Doctor71 of the XLFORUM [Click Here](#) to go to the thread.

How many crankshaft revolutions can be expected with 1 kick? I define "revolutions" as flywheel revolutions, NOT circuit breaker cam revolutions. To get flywheel revolutions, I multiplied circuit breaker cam revolutions x 2 (crankshaft turns 2 revs per 1 rev of the circuit cam). Using my non-scientific method of video taping the circuit breaker cam on my 1971 XLCH 900 motor and using the 225 lbs in this old body..... I can report I saw:

1. Pushing very slowly on the kick pedal by hand (spark plugs removed), there was almost, but not quite 1 complete flywheel revolution.
2. Using foot on the kick pedal (spark plugs removed), app. 2-3/4 flywheel revolutions.
3. Using foot on the kick pedal (spark plugs installed), almost exactly 2 flywheel revolutions.

More or less, this equates to one compression stroke, per cylinder, per kick, (at least on my bike).

Note: The original videos were recorded at normal speed using 60fps. If needed, you can reduce the playback speed to aid in your viewing of the number of revolutions.

100-starter_slow_kick_thru_via_hand_-_just_under_1_complete_revolution_by_the_doctor71.mp4	100-starter_kick_thru_without_spark_plugs_-_1_kick_-_almost_3_revolutions_by_the_doctor71.mp4	100-starter_kick_thru_w_spark_plugs_installed_-_2_revolutions_by_the_doctor71.mp4
1. Slow Kick Thru Via Hand ¹⁾	2. Leg Kick (without plugs) ²⁾	3. Leg Kick (with plugs) ³⁾

Go To Technical Menu

1)

Link to file in Sportsterpedia:

http://www.sportsterpedia.com/lib/exe/fetch.php/video:slow_kick_thru_via_hand_-_just_under_1_complete_revolution.mp4

2)

Link to file in Sportsterpedia:

http://www.sportsterpedia.com/lib/exe/fetch.php/video:100-starter_kick_thru_without_spark_plugs_-_1_kick_-_almost_3_revolutions_by_the_doctor71.mp4

3)

Link to file in Sportsterpedia:

http://www.sportsterpedia.com/lib/exe/fetch.php/video:100-starter_kick_thru_w_spark_plugs_installed_-_2_revolutions_by_the_doctor71.mp4

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Last update: **2024/02/15 22:56**

