FRONT FORK ASSEMBLY

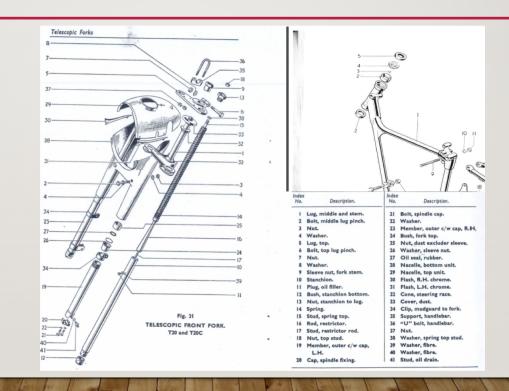
BRENDAN O'HARA

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FORK ASSEMBLY

Major parts of note:

- Fork Tubes
- Springs
- Triple Tree
- Upper / Lower Nacelle



TRIPLE TREE

The triple tree consists of upper and lower components that provide two solid clamping points that keep the fork tubes parallel while also connecting them to the frame using I 5 greased ball bearings, which allow the fork assembly to pivot from side to side, and therefore steer the motorcycle.

Triple Tree -

Clamping Points

Fork Tubes

Ball Bearings



SPRINGS

• The front suspension depends on the long springs inside the fork tubes to maintain a somewhat smooth ride over bumpy terrain. The springs compress to absorb shock from the riding surface.

This amount of compression is determined from "spring constant" which can be found from Hooke's Law (F = kX)

Compression

- F is the force applied to the springs
- k represents the spring constant
- x represents the spring's displacement

RESTORATION



- Disassembled Fork Tubes
- Cleaned and Polished Components
- Located / Fabricated Missing Parts
- Reassembled
- Forking Killed it





