

# **Pneumatic Power Steering System**

Power steering systems have contributed to reduced driver fatigue and made driving a more pleasant experience. Nearly all power steering systems at present, use fluid pressure to assist the driver in turning the front wheels. Pneumatic machinery are machines and tools which use air pressure to do work. Pneumatic machinery are machines and tools which use air pressure to do work. In this type of machine, high pressure compressed air is transmitted throughout the machine to various pneumatic cylinders. The air is controlled directly by control valves and distributed through the tubes. This system consists of pneumatic cylinder, two wheels and power steering linkage mounting on frame. There is a pneumatic cylinder which is linked to one of the wheels. The other wheel is attached with linkage mounting. Pneumatic cylinder stroke is controlled by Direction control lever, and steering occurs. Pneumatic Power Steering System makes it very easy to drive the vehicle than the vehicle which uses fluid power and also these vehicles can be maintained easily.

## Diagram

