



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35.



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

DEPARTMENT OF AUTOMOBILE ENGINEERING

COURSE NAME : 19AUB202 – AUTOMOTIVE SYSTEMS

II YEAR / III SEMESTER

Unit 2 – Steering System

Topic : Power Steering – Purpose and Types of Power Steering



PURPOSE OF POWER STEERING



- Directional Stability
- Maneuverability
- Drive Comfort
- Reduces Driver Effort



TYPES OF STEERING SYSTEM

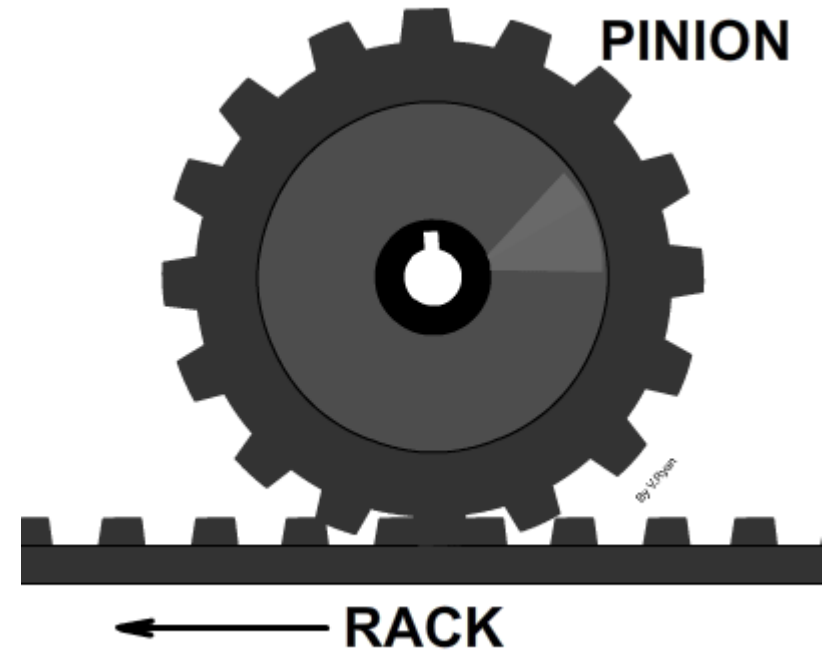
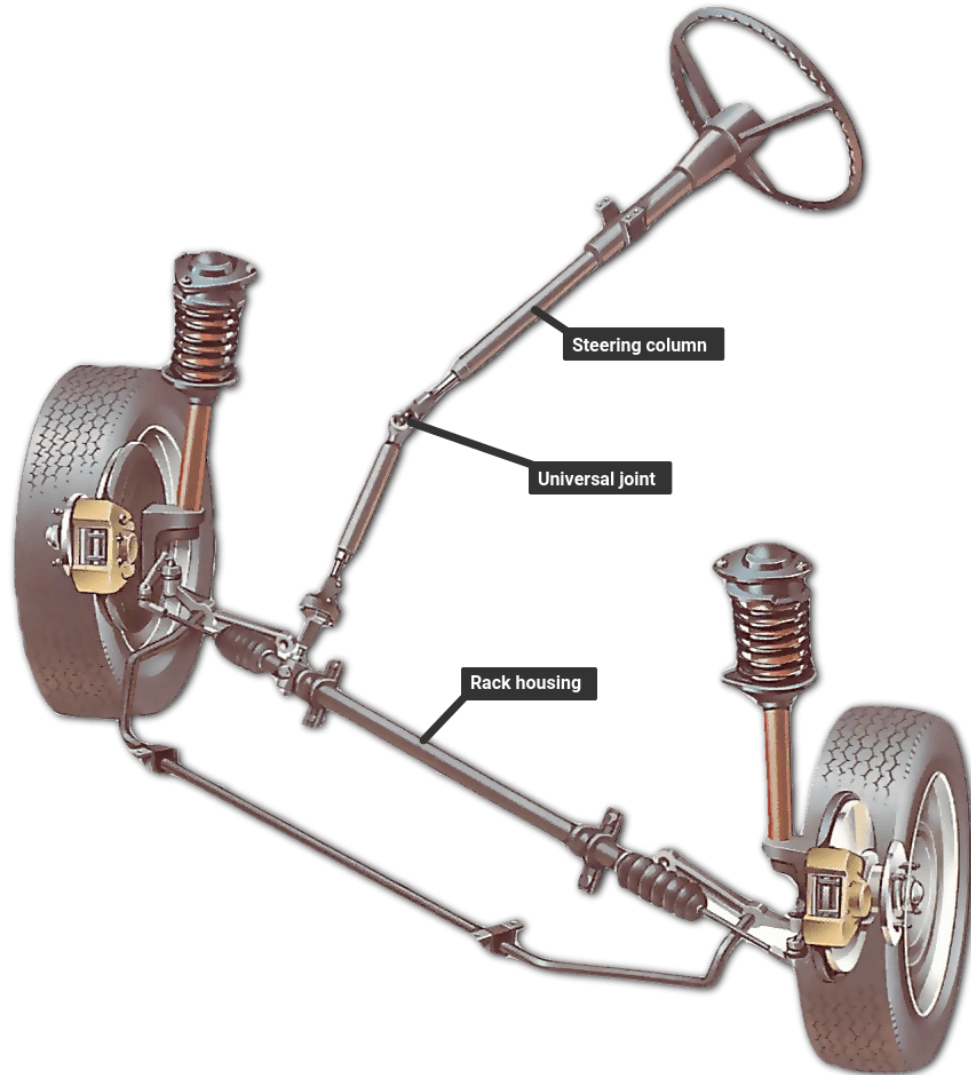


- Manual Steering System
- Power Steering System
 - ❖ Hydraulic Power Steering System
 - ❖ Electronic Power Steering
 - ❖ Electro Hydraulic Steering System





LAYOUT OF NORMAL STEERING SYSTEM

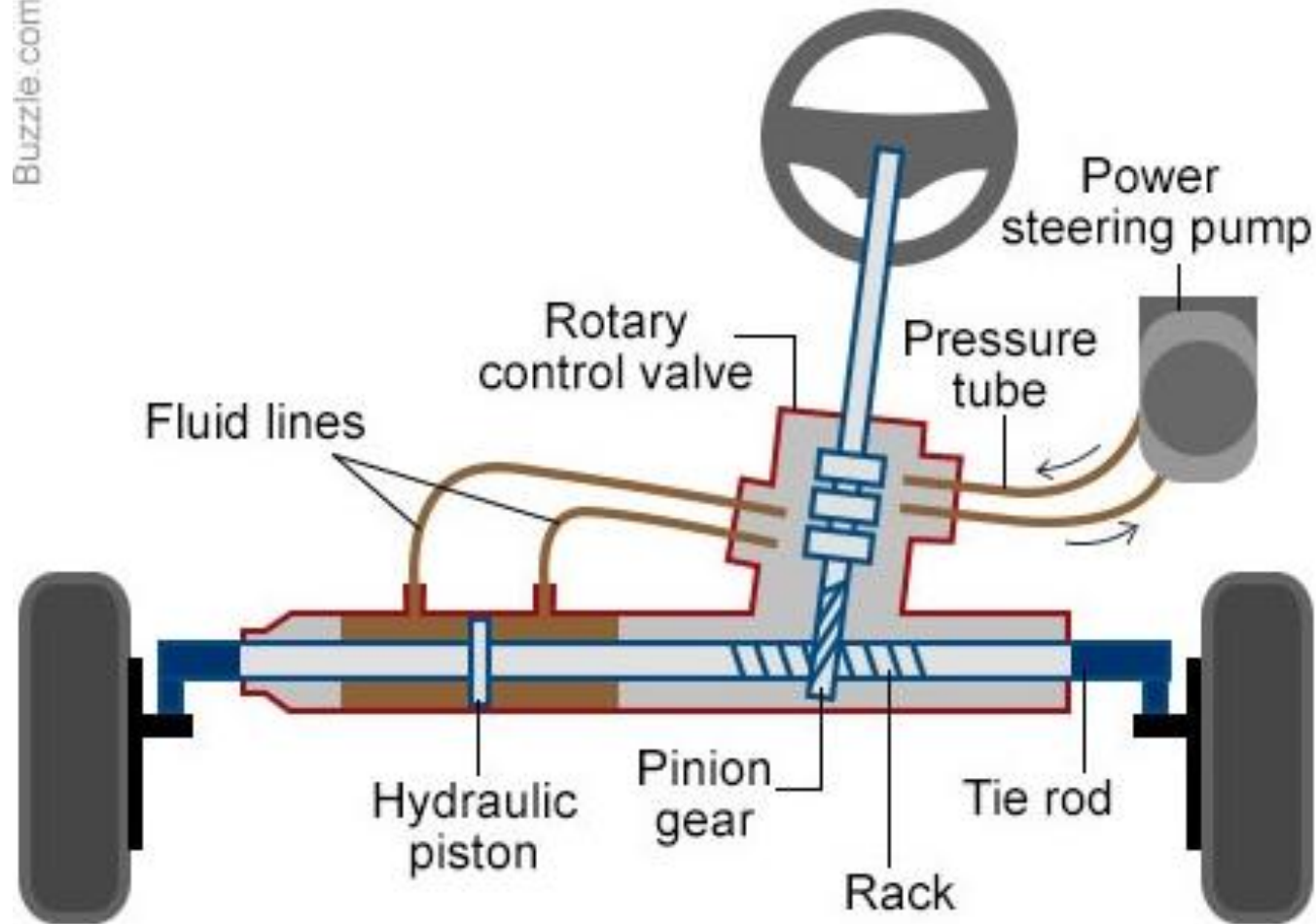




HYDRAULIC POWER STEERING



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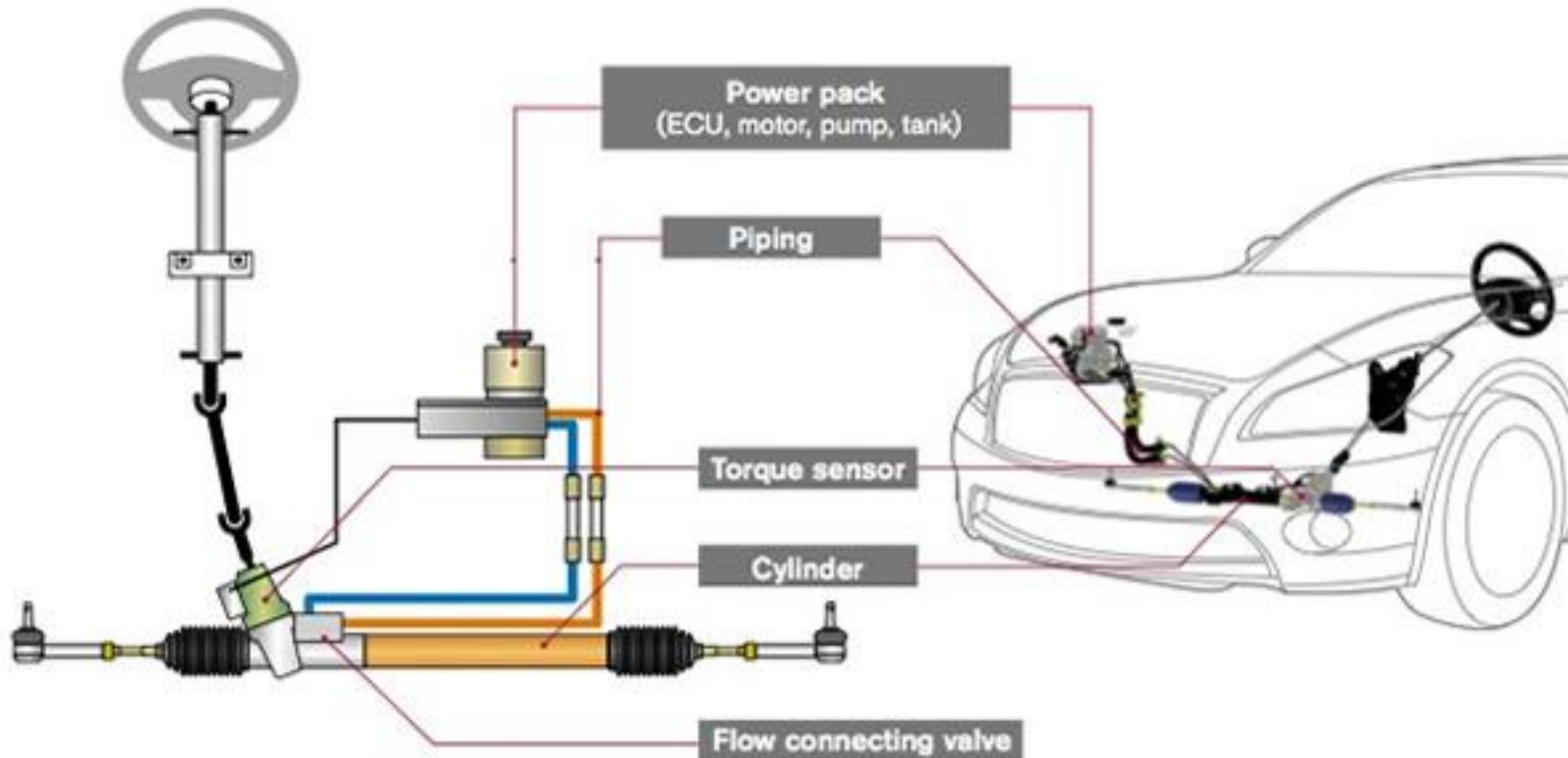


ELECTRONIC POWER STEERING



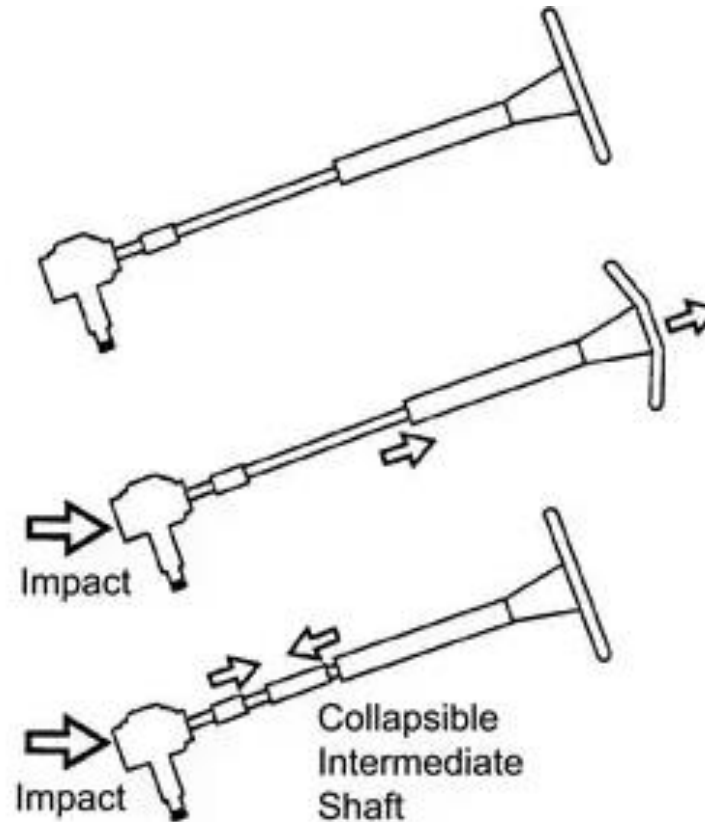


ELECTRO HYDRAULIC POWER STEERING



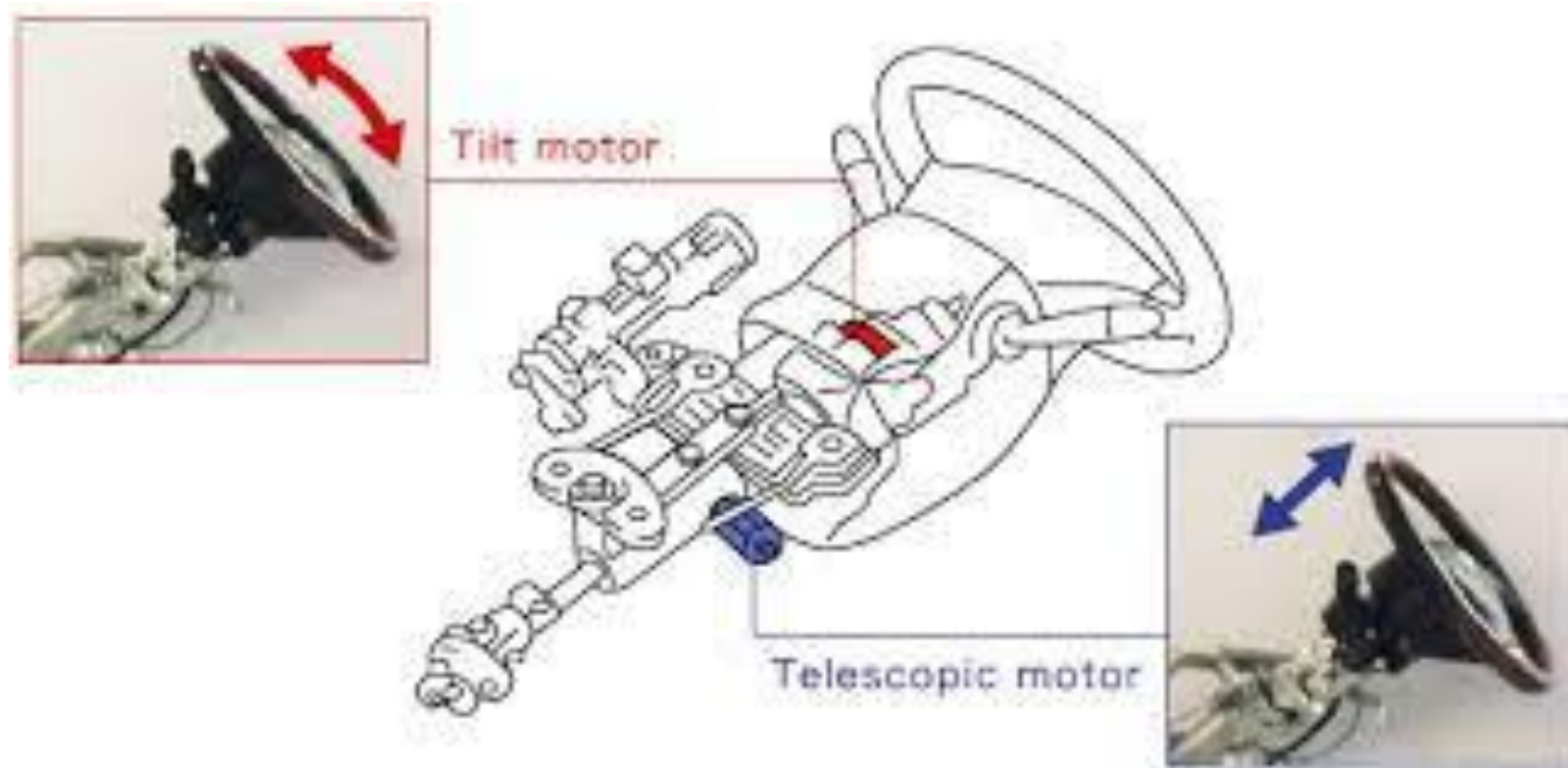


COLLAPSIBLE STEERING COLUMN





TILTABLE STEERING COLUMN





THANK YOU !!!