TEACHING LEARNING MATERIAL



BRANCH: MECHANICAL ENGINEERING

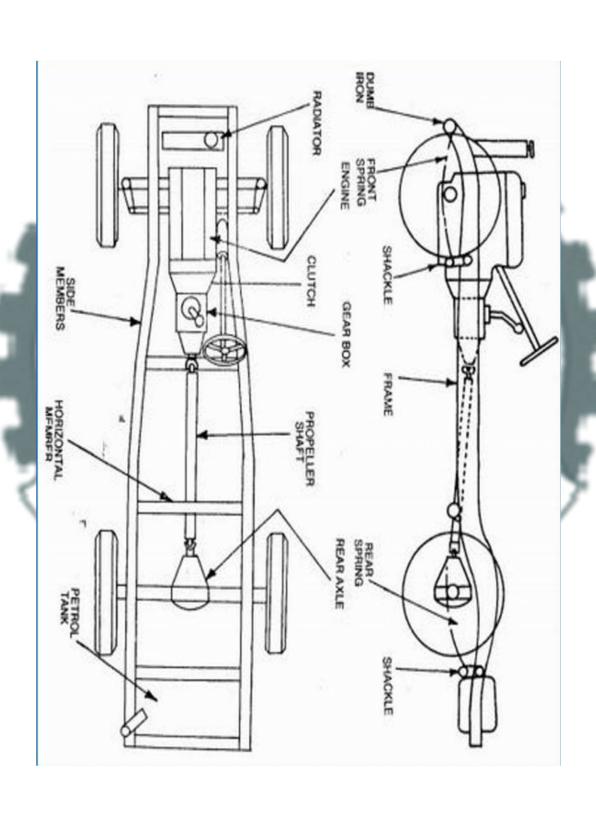
SEMESTER: 6th SEM

SUBJECT: AUTOMOBILE ENGINEERING

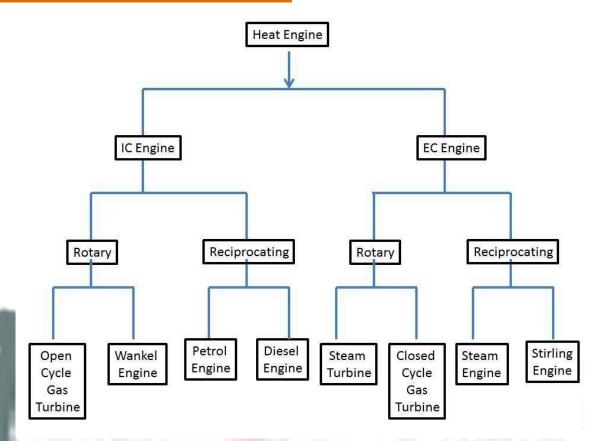
PREPARED BY: PROF. SUNIL KUMAR SAHU &

PROF. SAMARENDRA CHOUDHURY

LAYOUT OF AUTOMOBILE CHASSIS



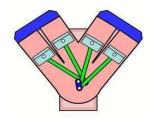
CLASSIFICATION OF ENGINES:



TYPES OF POSITION OF CYLINDER:



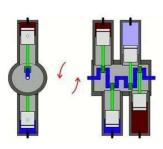
Inline Vertical Engine



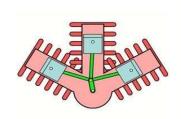
V-Type Engine



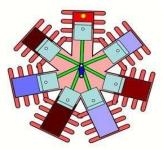
Horizontal Engine



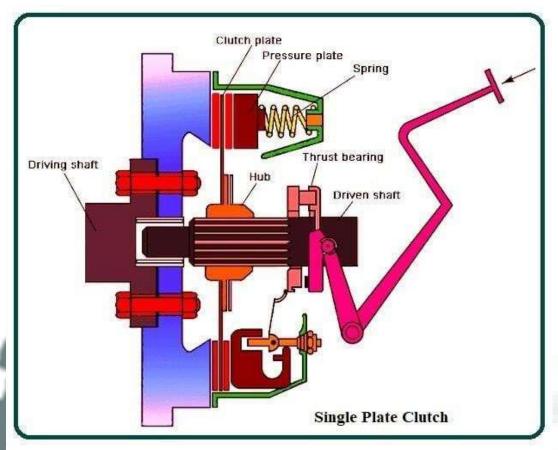
Opposed Cylinder Engine

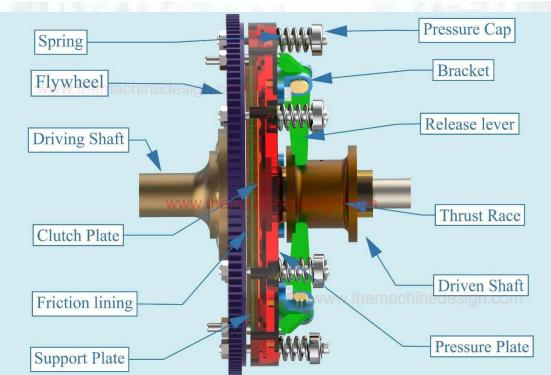


W-Type Engine

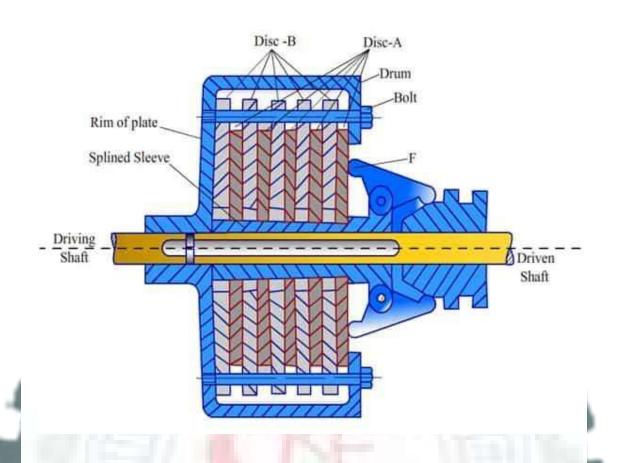


Radial Engine

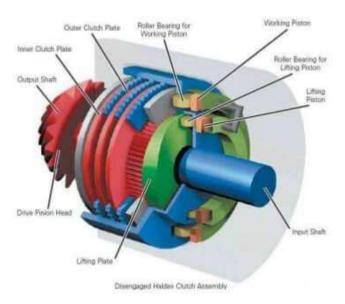




SINGLE PLATE CLUTCH

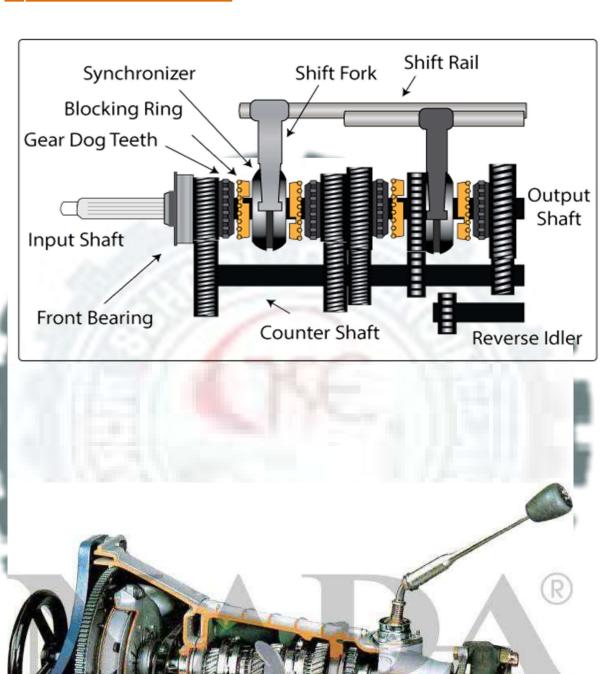


Multiplate clutch

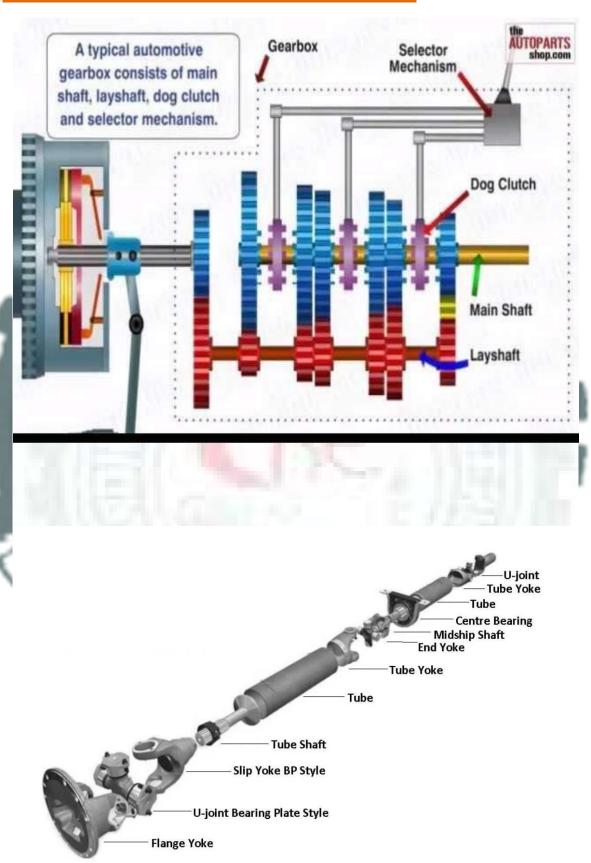


MULTI PLATE CLUTCH

4. SPEED GEAR BOX:

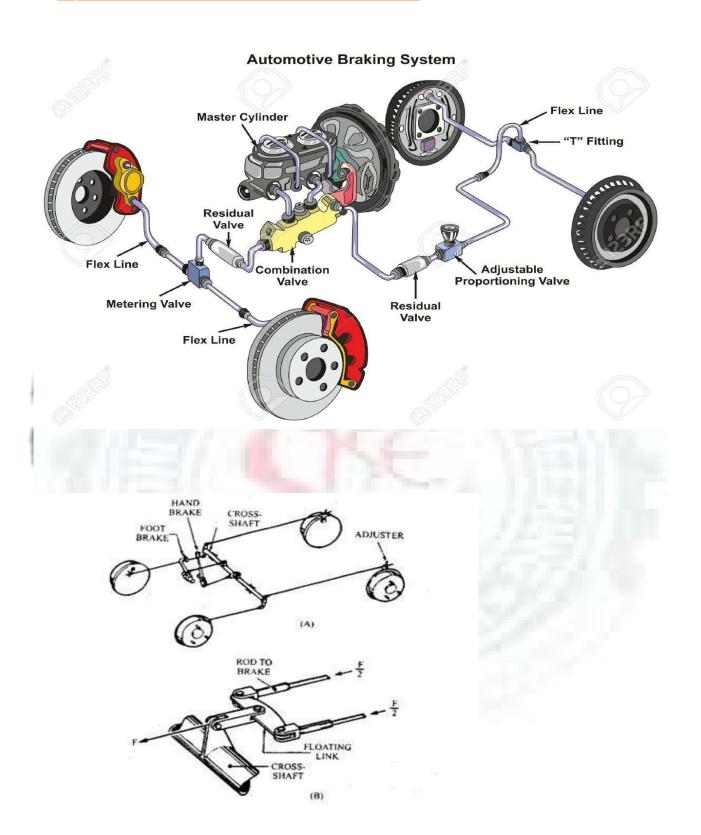


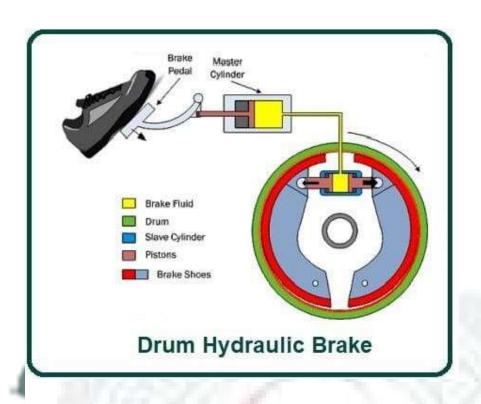
AUTOMATIC GEAR CHANGING MECHANISMS

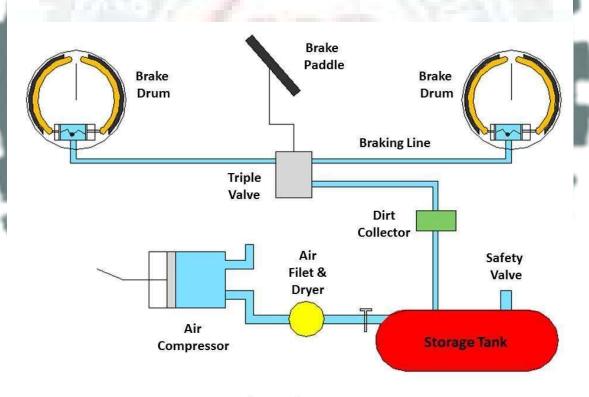


Parts of Propeller Shaft

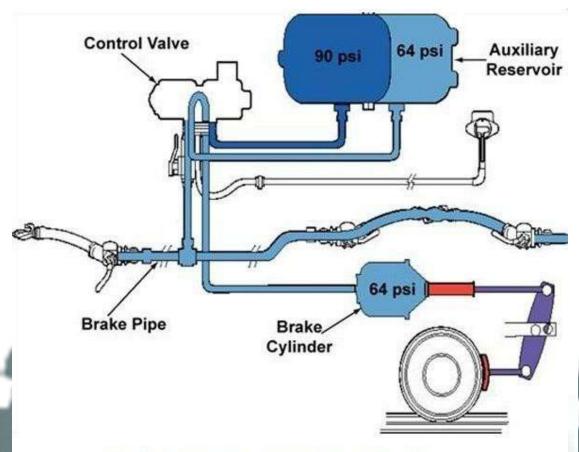
5. AUTOMOTIVE BRAKING SYSTEM:



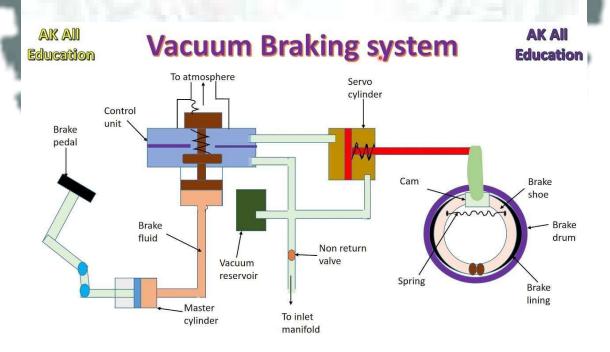


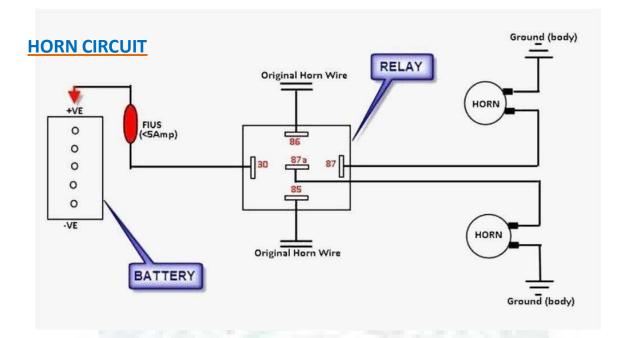


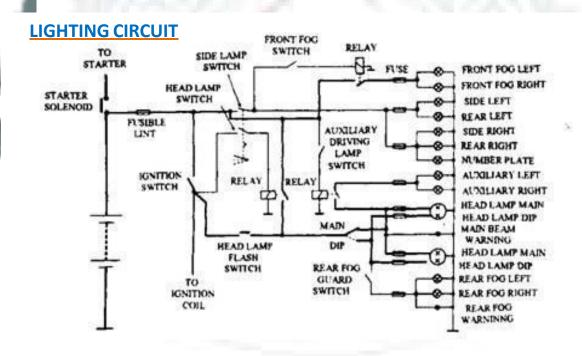
Air Brake System

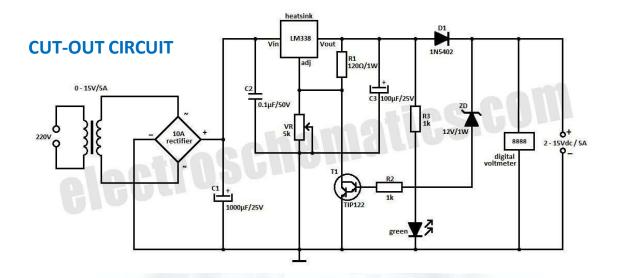


PNEUMATIC BRAKING SYSTEM

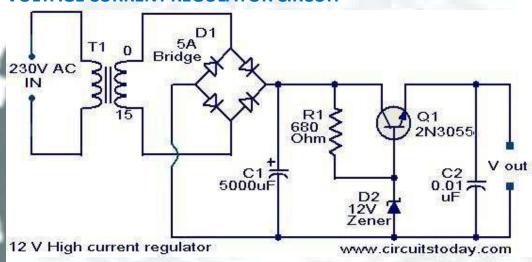


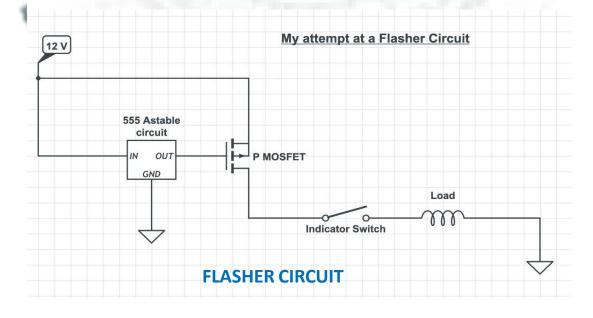


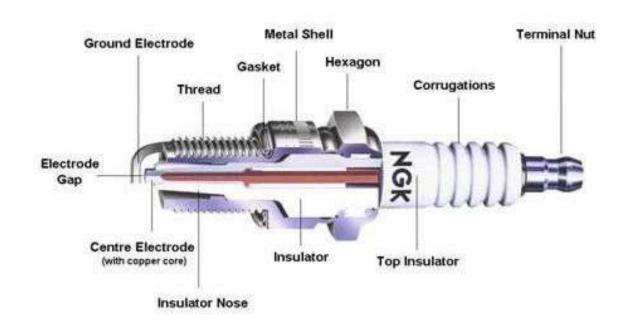




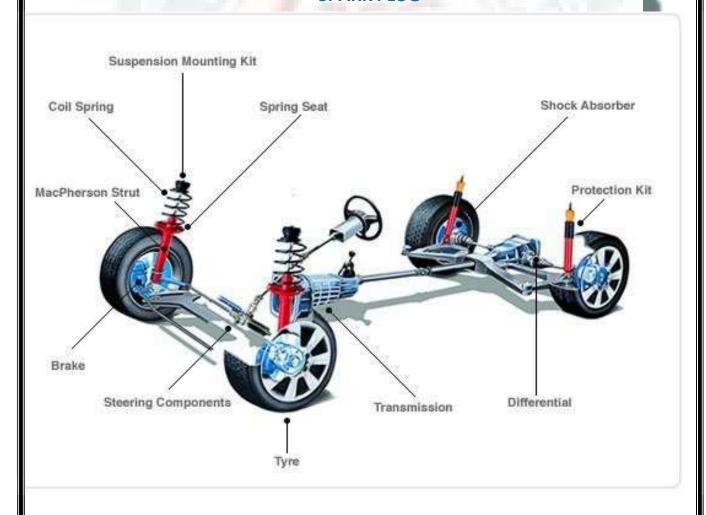
VOLTAGE CURRENT REGULATOR CIRCUIT



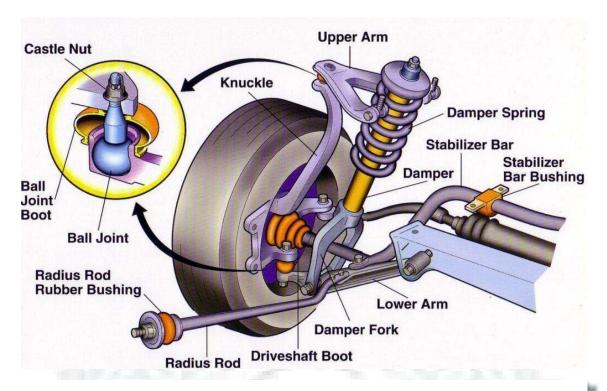


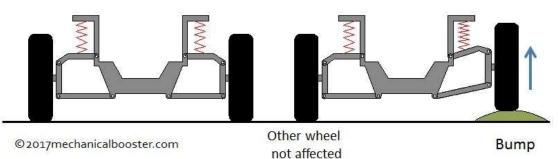


SPARK PLUG

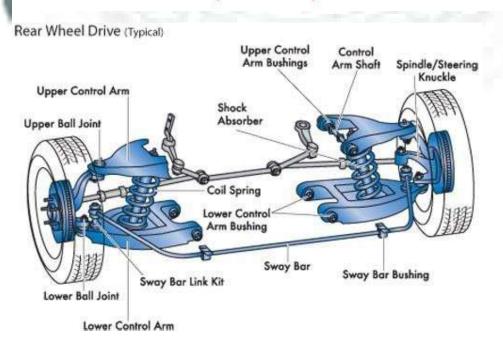


SUSPENSION SYSTEMS



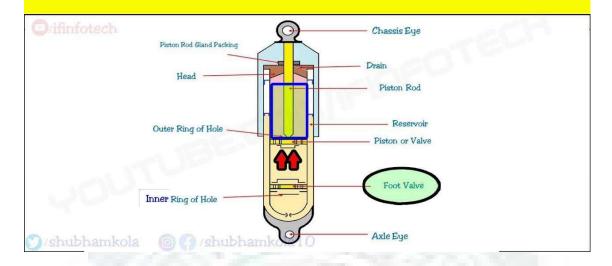


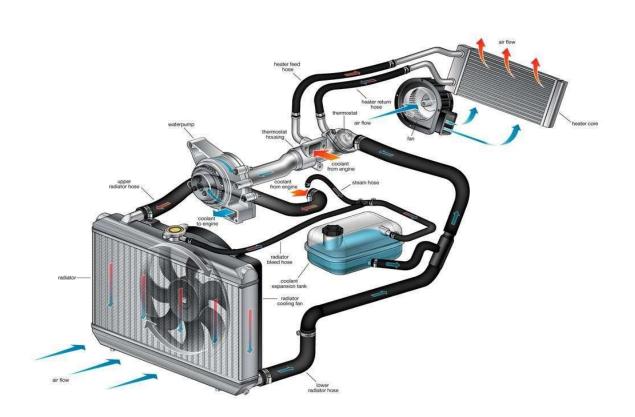
Independent Suspension



Telescopic Shock Absorber

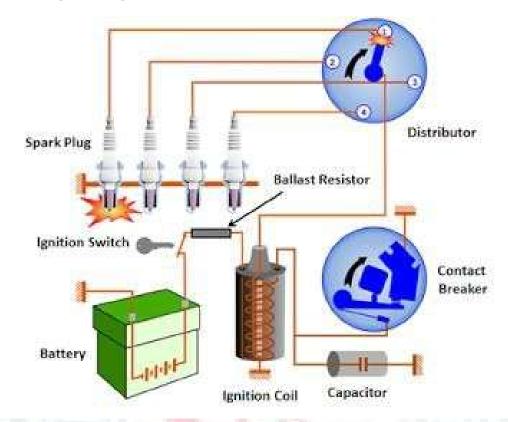


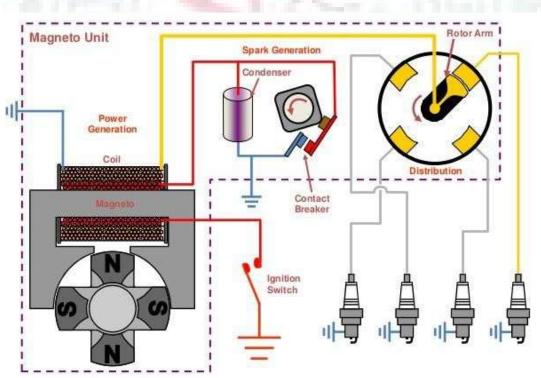




COOLING SYSTEM

BATTERY IGNITION

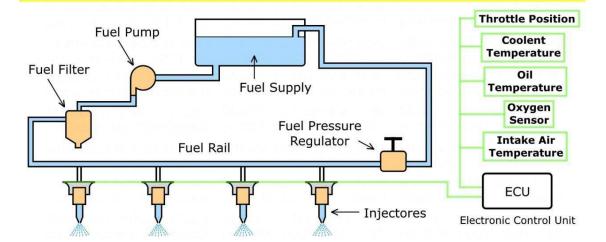




IGNITION SYSTEM - Magneto System

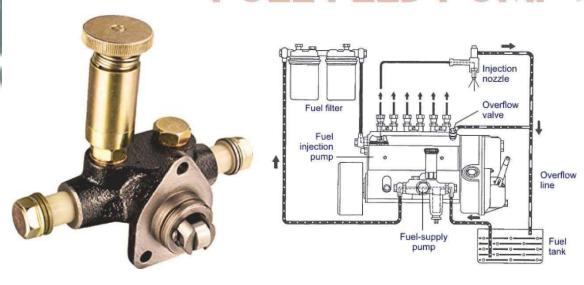
MAGNET IGNITION SYSTEM

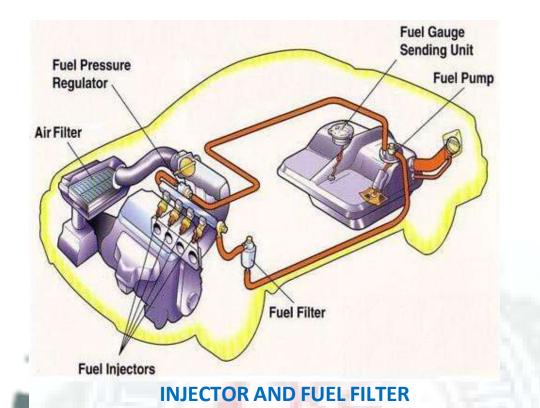
M.P.F.I. System

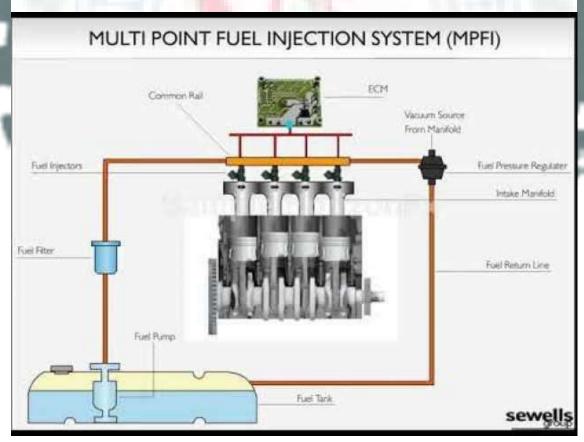


MULTIPOINT FUEL INJECTION SYSTEM

FUEL FEED PUMP







INJECTION SYSTEM FOR MULTI CYLINDER ENGINE