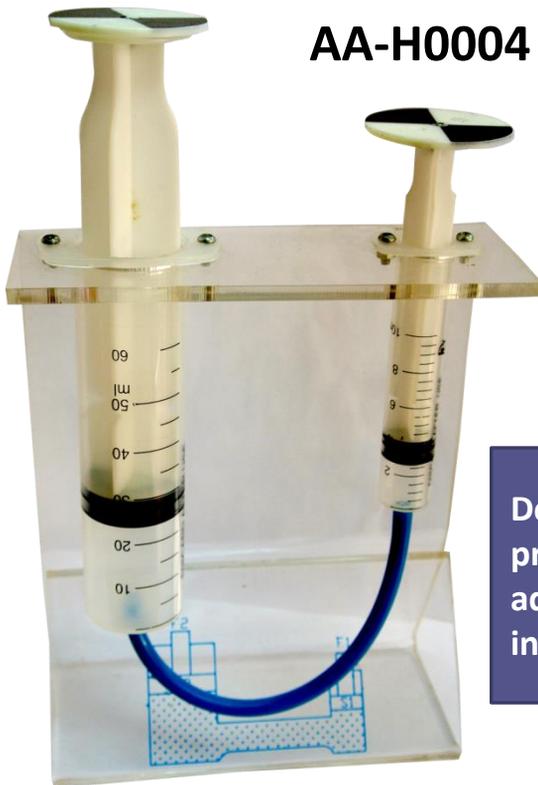




AA-H0004



Syllabus :
Fizik Tingkatan 4 KBSM
Bab 3 – Daya dan Tekanan

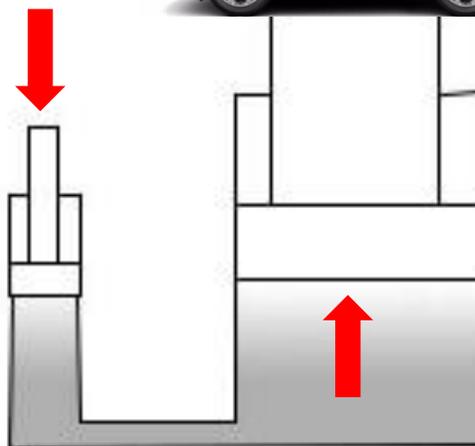
Demonstrating the transmissibility of fluid pressure and to show how mechanical advantage may be obtained using interconnected cylinders of different diameter

HYDRAULIC PRESS WITH 2 SYRINGE PLASTIC

Pressure is exerted on fluid in a small cylinder.



Though the pressure is the same, it is exerted over a much larger area, giving a multiplication of force that lifts the car.



Pressure is exerted equally in all parts of an enclosed static fluid.

The force in the small cylinder must be exerted over a much larger distance. A small force exerted over a large distance is traded for a large force over a small distance.