

# MAP Oil Tools

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## **Model PCU-1 - Used with the PC-1 Service Tool**

Model PCU-1 Upstrain Unloader is designed to equalize tubing and annulus pressures above a PC-1 Retrievable Cementer Packer or other makes of upstrain actuated tools that are compatible in operation with that of the unloader. The unloader is made up directly above the PC-1 Cementer Packer and is usually run in the hole in the open position to allow fluid bypass through PC-1 and into the annulus. Torque is transmitted through the unloader to the PC-1 by a key located in a key-slot of the unloader body. Applying upstrain to set the PC-1 will close the unloader and setting down weight will open it. Unloads pressures from either direction Multiple acting, May be run in either open or closed position and then opened to closed as many times as required Full opening bore through tool Easy operation, Set down weight to open and apply upstrain to close