



232 Branford Rd.  
North Branford, CT 06471  
Orders: 203.481.9460  
Tech: 203.481.9943  
Fax: 203.481.9641

## ***Product Instructions***

### **#22-490/22-491 EXTERNAL OIL PRESSURE ADJUSTER**

- 1) The bypass (relief) valve on the internal oil pump needs to be modified for the adjuster to work properly. This can be accomplished by replacing the spring with a length of dowel, or by shimming the spring beyond the maximum desired pressure. Either method requires the piston to remain in the bypass cavity. Failure to do so will create an internal pressure leak.
- 2) Installation of this unit requires an oil drain back bung in the oil pan. This bung should be installed above the oil level in the pan to limit any drain back restriction, and to reduce turbulence in the oil pump pickup area. It is also recommended that a deflection baffle be installed to prevent the bypassed oil from flowing directly into the rotating assembly.
- 3) Plumbing this unit requires either a remote mounted oil filter or a sandwich adapter (oil cooler type). Unit should be plumbed as follows: (See illustration on next page.)
  - A) Sandwich Adapter:
    - 1) Pressure out from sandwich adapter to pressure in on pressure adjuster.
    - 2) Pressure out on pressure adjuster to pressure in on sandwich adapter.
    - 3) Bypass port on pressure adjuster to drain back bung in oil pan.
  - B) Remote Mounted Filter:
    - 1) Pressure out from remote filter adapter (on engine) to pressure in on pressure adjuster.
    - 2) Pressure out on pressure adjuster to pressure in on remote filter mount or canister filter.
    - 3) Pressure out on remote filter mount to pressure in on remote filter adapter on engine.
    - 4) Bypass port on pressure adjuster to drain back bung in oil pan.

INSTALL DIAGRAM  
EXTERNAL OIL PRESSURE ADJUSTER  
PART #22-490 AND 22-491

