

## Pro-Flex 120B

### AUTOMATIC WING CYLINDER LOCK VALVE

- Elimination of The Manual ¼ Turn Lock Valve

**NEW FEATURE**

April 2016

#### Applies to:

Pro-Flex 120B Wheeled Version – s/n 15272165B and up

#### Background

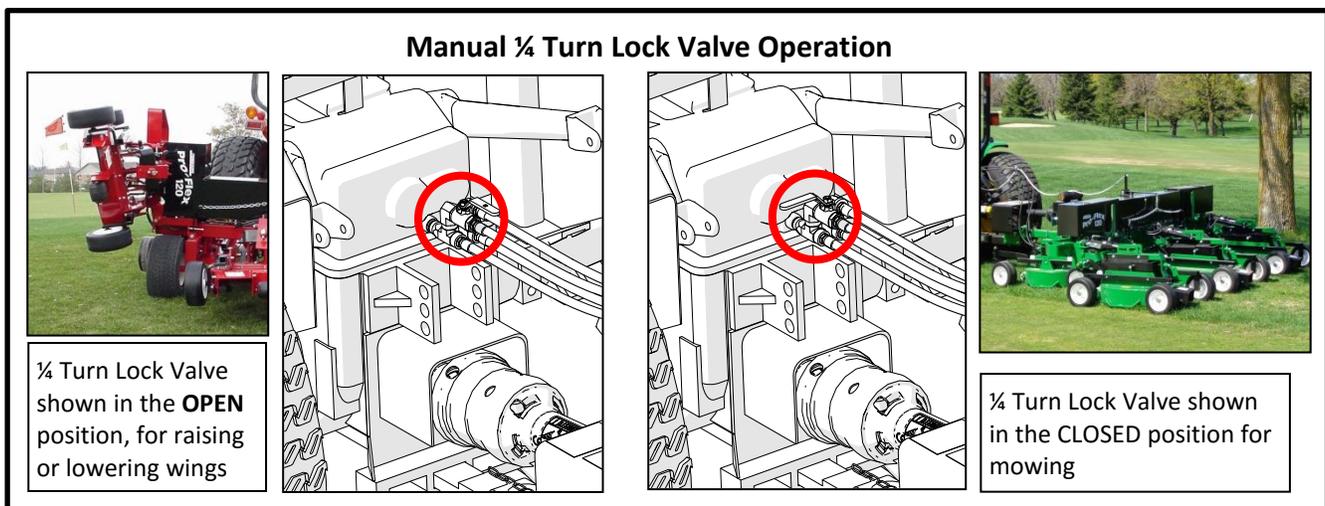
For easier transport and storage, the outer decks (wings) of the **Pro-Flex 120B** can be raised hydraulically via the tractor's hydraulic system, and then lowered hydraulically for mowing. On models prior to s/n 15272165B, the proper operation of a Pro-Flex 120 required the operator to turn a ¼ turn lock valve manually to allow the wings to move (valve open) or the wings be held rigid (valve closed) when mowing. See illustrations below. With the wings fully down (flat), the proper belt tension required to drive the outer decks is maintained.

NOTE: Mowing with the lock valve in the OPEN position will allow the wings to rise up as the mower traverses changing ground contours. If the wings rise during mowing the drive belt tension is reduced and this will lead to premature belt failure and an uneven cut quality.

It is important to note that the contour following ability of the Pro-Flex 120 is designed into each deck support arm, and does not require the movement of the wings.

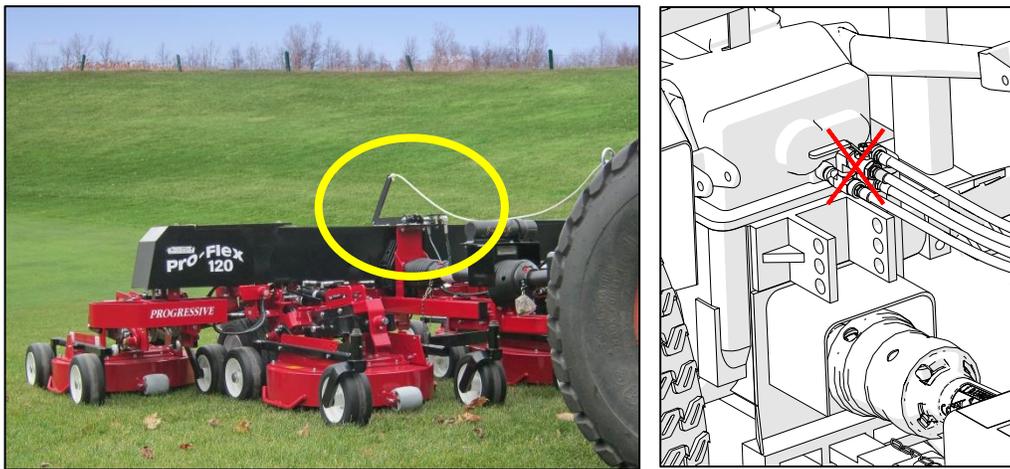
Depending upon the tractor, turning the valve sometimes required the Operator to dismount the tractor to access the ¼ turn lock valve. It was discovered that some Operators didn't use the ¼ turn valve properly as they did not want to dismount the tractor. As a result, the Pro-Flex was often blamed for being 'hard on belts'.

**NEW FEATURE** To simplify operation, and maximize performance of the Pro-Flex 120B, Progressive Turf Equipment is pleased to release the AUTOMATIC WING CYLINDER LOCK VALVE as standard equipment on all new Pro-Flex 120B's, starting at S/N 15272165B and up. This new feature will also enhance Operator convenience. **PLEASE SEE THE NEXT PAGE FOR MORE INFORMATION**



## **AUTOMATIC WING CYLINDER LOCK VALVE NEW FEATURE**

Starting at S/N 15272165B, the wing hydraulic circuit includes an automatic lock valve to prevent unwanted movement of the wings during mowing. The new automatic lock valve is incorporated into the wing lock release mechanism (circled in the photo below). It replaces the manual ¼ turn valve that is found on earlier models near the hose connections to the tractor (see illustration). This change also simplifies the connection to the tractor as only two hydraulic hoses are required to run between the tractor and the mower. When the wings need to be raised or lowered, the Operator simply pulls and holds the pull rope from the tractor's seat until the wings are either fully raised or lowered. No longer is the Operator required to manually turn the ¼ turn lock valve. Not only is the AUTOMATIC WING CYLINDER LOCK VALVE an Operator convenience feature, it will prevent misuse thereby enhancing wing deck drive belt life. The functionality of Pro Lift-N-Turn™ feature remains unchanged. The new **AUTOMATIC WING CYLINDER LOCK VALVE** makes operating the **Pro-Flex 120B** easier than ever before!



## **UPDATING OLDER PRO-FLEX MODELS up to S/N 15272164B**

Progressive is pleased to announce that the AUTOMATIC WING CYLINDER LOCK VALVE can be added to an older Pro-Flex 120. Owners and Operators can realize the same advantages: improved Operator convenience, and lower operating costs through enhanced wing deck drive belt life.

Order update kit p/n 600600. This kit is suitable for any vintage of the Pro-Flex, however it does not add other features such as Pro Lift-N-Turn™ to a mower that is not already so equipped.

## **OPERATING TIPS:**

### **IMPORTANT ALL PRO-FLEX MODELS**

To maximize drive belt life, observe the following operating tips

- When mowing, the ¼ turn lock valve, if so equipped, **MUST** be in the CLOSED position.
- It is not recommended to mow with the wings raised.
- Ensure the PTO drive is disengaged and it has stopped before raising or lowering the wings
- Always engage the PTO at a low engine RPM to reduce stress on the drive train and belts.