



<b>Reference Number</b>	Bulletin 2023 02 Revision 1
<b>Affected Product</b>	Any machine that requires use of the extension adaptor fittings with part number 1U-5551, to charge, check or adjust the nitrogen pressure in hydraulic accumulators
<b>Risks Identified</b>	Potential failure of the extension adapter fittings with part numbers 1U-5551
<b>Release Date</b>	11 April 2023 revised 24 April 2023

## Cease use of the charging extension adapter tools with part number 1U-5551 until further notice.

Revision 1	Part number 7S-5439 removed from revision 1 of this bulletin, the 7S-5439 has been confirmed by Caterpillar that it is rated to 3000 psi and can be used in the applications it is specified to be used.
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### Problem

A pressure rating discrepancy has been identified with extension adapters with the part numbers 1U-5551. A supplier of the extension adapters has listed the 1U-5551 as having a 150 psi pressure rating, however, Caterpillar's specification for the 1U-5551 extension adapter is 3000 psi. Additionally, another discrepancy was identified with the pressure unit conversion from psi to kPa shown in the description of these parts suggesting the rating is 435 kPa or 63 psi.

The 1U-5551 extension adapters are used to facilitate servicing of the nitrogen charge in hydraulic accumulators. The extension adaptors are generally used to facilitate a connection of the nitrogen charging equipment to the accumulator where the accumulators are recessed or have difficult to access charging valves. The required nitrogen pressure varies between machines but generally require a nitrogen charge pressure above 200 psi, ranging up to 2000 psi.

This discrepancy is being urgently investigated.

Hastings Deering Australia is not aware of failures of the 1U-5551 extension adapters that are already in the field, however the action below should be taken until the discrepancy is resolved.

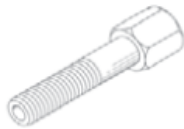


## Action Required

Until the discrepancy is resolved the extension adapters with part number 1U-5551 must not be used in applications that require the adapter to be subjected to working pressures above 150 psi for charging, checking or adjusting the nitrogen charge in an accumulator.

### Valve Extension

Model Usage: Various Cat® Machines  
 Warranty: Caterpillar® Six Months



- Accessory to 175-5507 Nitrogen Charging Group needed to test and charge 785 and 789 Off-Highway Truck hydraulic nitrogen-charged steering system accumulators with recessed ports (ports now recessed due to accumulator design change that allows nitrogen bladder servicing)
- Can also be used to test and charge non-recessed accumulator ports
- Couples to chuck of 175-5507 Nitrogen Charging Group
- **Maximum pressure: 435 kPa (3000 PSI)**
- 0.305 in-32 thd (male and female)

#### References

- SEBF8383-05, RENR2535-10, SENR1463-07, SEPD0506

Part Number	Description
1U-5551	Valve Extension

*This bulletin is to inform you of the recommendations of the supplier in respect of issues dealt with in the bulletin and should not be used as specific advice in respect of any particular events. Advice from a qualified repairer should be sought in respect of any particular events and Hastings Deering (Australia) Limited accepts no responsibility for any loss or damage occasioned by a party using this general bulletin.*