

## Do's

- ✓ Use **shortest** possible **12 gauge-3 prong** or heavier extension cord  
**Why:** Improper use extension cords may result in overheating or fire in the cord or machine
- ✓ **Pump liquid refrigerant** first  
**Why:** Liquid refrigerant is **significantly more dense** than vapor and is therefore much more efficient to pump. The G1Single is designed to recover direct liquid refrigerant **with no throttling!**
- ✓ **Remove valve cores** before recovery with a Valve Core Removal Tool  
**Why:** Valve cores block about **90% of all flow** and acts as a metering device during recovery.
- ✓ **Remove** as many other **restrictions** as possible (Includes: Core Depressors, Auto Shutoff Fittings, etc.)  
**Why:** Any other restrictions will **decrease flow and increase recovery time**. The greater the flow, the faster it will go!
- ✓ Use **3/8 in. hoses** during recovery for both **input and output**  
**Why:** When used correctly, **3/8 in. hoses** will have greater flow and will result in **faster recovery**
- ✓ **Clean or replace the input fitting debris screen** before every use  
**Why:** Screen can become clogged with debris and reduce recovery performance
- ✓ Use a **new** inline **Filter Drier** on every job  
**Why:** A Filter Drier **protects** the compressor against damage when pumping refrigerant

## Don'ts

- ✗ **Do Not** use incorrectly sized extension cords  
**Why:** Improper use of extension cords may cause overheating damage to electrical components
- ✗ **Do Not** use tools to tighten knurled hose fittings  
**Why:** The **gaskets and machine ports can be damaged** if over-tightened and will cause a leak. Hand tighten only!  
  
**Pro Tip:** Use a dab of vacuum pump oil on the machine port before hand-tightening to ensure a seal.
- ✗ **Do Not** **block machine airflow** to front and rear vents  
**Why:** A recovery machine is a condensing unit and requires continuous **airflow** to operate correctly and efficiently
- ✗ **Do Not** use **Auto Shutoff/Quick Disconnect fittings**  
**Why:** These fittings are **highly restrictive**. Only use **Ball Valves** as low loss fittings

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