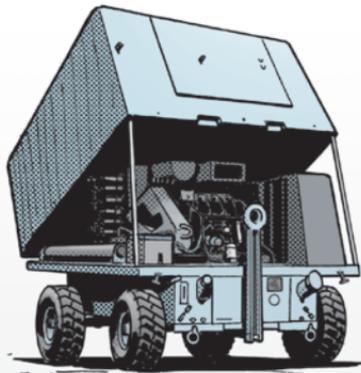


AGSE...

NEED NITROGEN GENERATION AND SERVICING?

MECHANICS, HAVING THE **RIGHT TOOL AT THE RIGHT TIME** IN THE **RIGHT PLACE** IS THE **KEY** TO EFFECTIVE MAINTENANCE.

THERE ARE **FIVE** NITROGEN COMPONENTS IN THE PM AGSE PORTFOLIO THAT PRODUCE, STORE AND SERVICE AIRCRAFT WITH NITROGEN, THE...



- generic aircraft nitrogen generator (GANG)
- nitrogen servicing cart
- nitrogen cylinders
- nitrogen backpack servicing system (NBSS)
- nitrogen bottle servicing kit

← the GANG

The GANG

There are two basic GANG NSNs, NSN 3655-01-589-1954 and 3655-01-568-2711. NSN 3655-01-463-3338, which is covered by TM 1-3655-230-12, will be upgraded to NSN 3655-01-589-1954 by MWO 1-3655-230-50-2. For maintenance on the GANG, use TM 1-3655-245-13&P.

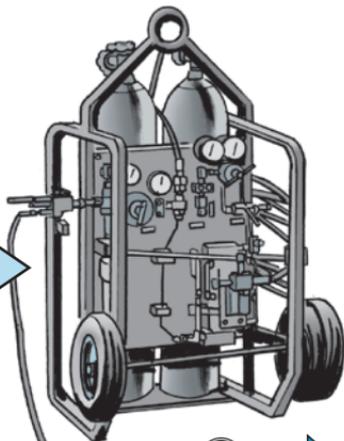
The GANG produces 95 percent pure nitrogen to service aircraft accumulators, main rotor blades, landing gear struts and tires. You can also use the GANG to fill nitrogen bottles in the AGSE systems, including NBSS cylinders, for all levels of aviation maintenance.

The Nitrogen Servicing Cart

The cart, NSN 3920-01-480-9100, is mobile and includes self-contained support equipment that provides flight line servicing for accumulators, struts and tires. The cart comes with two nitrogen cylinders, NSN 8120-01-616-9086, that are regulated to 160 psi and a booster system capable of producing up to 4,000 psi.

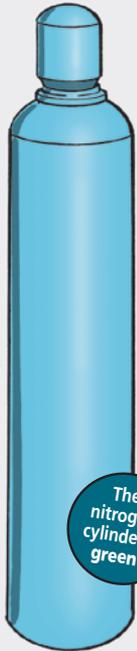
← Nitrogen servicing cart, NSN 3920-01-480-9100

The cart frame is made of tubular steel with wrap-around construction that provides tip-over protection for the booster system and tanks. You can tow the cart up to 15 mph and it is included as a component of the AVIM tool crib shop set, NSN 4920-01-600-7362 (new) and NSN 4920-01-139-4548 (old).



PS MORE →

The Nitrogen Cylinders



The nitrogen cylinder is green!

Nitrogen cylinders, NSN 8120-01-616-9086

These cylinders, NSN 8120-01-616-9086, are used to store pressurized nitrogen produced in bulk by the GANG. They can be used to fill smaller cylinders and are part of the AVUM (A92) shelter #2, NSN 4920-01-551-7472.

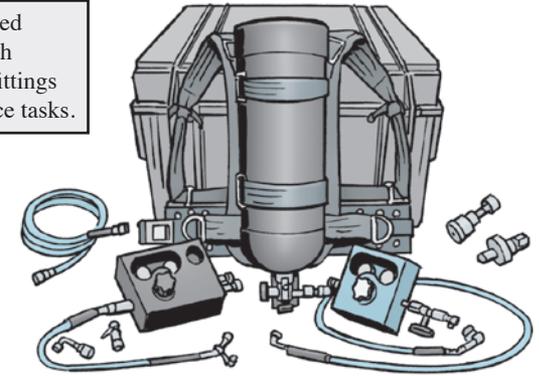
The Nitrogen Backpack Servicing System

The NBSS, NSN 3655-01-559-0617, provides a backpack harness that has a high-pressure nitrogen cylinder and two service kits. The kits are designed to furnish high- and low-pressure nitrogen gas for servicing tires, struts, rotor blades, accumulators and more.

The NBSS also supplies nitrogen for areas that are not easy to reach with the nitrogen servicing cart.

The cylinders can be mounted on the servicing cart along with regulators, valves, hoses and fittings to perform various maintenance tasks.

For instance, the NBSS is much more convenient in rugged terrain where a cart would be difficult to maneuver. That saves time and effort. There is one NBSS included in the AVUM #3 shelter, NSN 4920-01-551-7472.

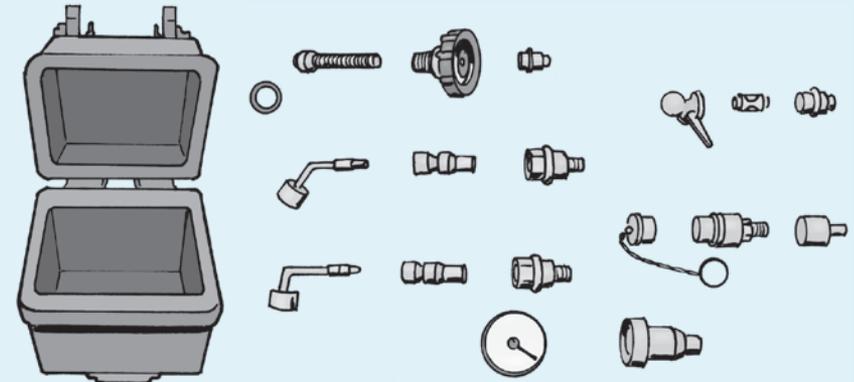


NBSS, NSN 3655-01-559-0617

The Nitrogen Bottle Servicing Kit

The servicing kit contains fittings, valves and connectors for the GANG to fill the nitrogen cylinders that are used in AGSE systems. The nitrogen bottle servicing kit has been issued to units with the GANG and each part of the kit can be ordered separately.

Nitrogen bottle servicing kit



FOR A COMPLETE LIST OF THE KIT COMPONENTS, SEE PAGES 22-23 OF PS 732 (NOV 13): <https://www.logsa.army.mil/psmag/archives/PS2013/732/732-22-23.pdf>

TO SAFELY OPERATE AGSE NITROGEN SYSTEMS, USE ONLY THE RIGHT PRESSURE VALVES, FITTINGS, ADAPTERS, HOSES AND REGULATORS.

NEVER SUBSTITUTE COMPONENTS BECAUSE THAT COULD RESULT IN INJURY OR WORSE.