

# C-130 Paratroop Door Negator Assembly Upgrade

| **STRONGER SPRING**

| **EASIER PARATROOP DOOR OPERATIONS**

| **IMPROVED WORKPLACE SAFETY**



- **Easy to install**
- Reduces maintenance costs
- **Enables one-man paratroop door operations**
- Makes paratroop door operations safer



## C-130 Paratroop Door Negator Assembly Upgrade

Preventing Loadmaster back injuries caused by paratroop door operations.

### Safer Paratroop Door Operations

A significant number of Loadmasters have incurred back injuries while lifting the paratroop door during door operations.

These injuries have occurred due to the physical demands of opening the paratroop door involving high exertion combined with awkward positioning.

The AMCE paratroop door negator spring upgrade, helps to reduce back injury incidents, by significantly reducing the physical effort involved in opening the paratroop door.

### Safer Maintenance Practices

Maintainers frequently risk injury during winding/unwinding operations of the highly energised negator spring.

The AMCE modified negator assembly combined with its specially designed removal/installation tool - the Slide Spanner - enables safe and easy installation/removal of the negator spring.

It allows a single maintainer to wind/unwind the negator spring safely without assistance, and reduces the time taken to change a negator spring.

### System Description

The AMCE system comprises a negator assembly, with increased spring stiffness, which provides greater mechanical lift capability, compared with the existing C-130 paratroop door negator assembly, thereby reducing the lift effort needed by the Loadmaster.

Three variants are available, depending on the mechanical lift assistance required:

- standard lift assist
- 50% additional lift assist
- double lift assist

### Proven

In-service with the Royal Australian Air Force (RAAF) C-130J fleet.



Increased mechanical lift capability reduces the lift effort needed by the Loadmaster, preventing back injury.



Safe & easy installation/removal of the negator spring

### Contact Us

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