Solving military vehicle through-life challenges

Remanufacture, Repair & Reverse Engineering

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Over 45 Years of Engineering You Can Depend On
At PSS, we help military vehicles remain battle-ready for longer.

Established in 1971, we’re the industry leader in steering and hydraulic repair, remanufacture and reverse engineering.

We’ve supplied solutions for Warrior, Mastiff, Jackal and most other wheeled British military vehicles. We’re also an OE supplier for the US’s Humvee and Stryker.

Prime contractors, system integrators and tiered suppliers trust PSS for our ability to create swift and dependable solutions.

Our superior engineering skills, facilities and experience allow us to reverse engineer parts to meet or exceed their original specification.
What Makes PSS Different?

At PSS, we re-engineer parts in the same clean and professional environment we make new units for demanding off-highway and military vehicle manufacturers.

With over 45 years’ experience, we can remanufacture parts to overcome supply limitations and often improve performance.

With our formidable engineering capabilities, we can quickly create a solution to return a single vehicle - or an entire fleet - to operational readiness.

"At PSS, we never forget how critical military products can be."
Meeting Through-Life Challenges

At PSS, we can approach your obsolescence management issues on three fronts:

Repair - Diagnosing failures and quickly returning parts and systems to dependable use.

Remanufacture - Carefully engineering worn or damaged parts back to as-new or better condition.

Reverse Engineering - Meticulously analysing an original product and manufacturing a functionally identical or superior new unit.

We’ve made our name remanufacturing steering and hydraulics and can apply the same skills and experience to a wide range of mechanical areas.

We’ve solved through-life issues for military vehicles, including:

- Warrior
- Wolf
- Husky
- Mastiff
- Jackal
- Coyote
- Pinzgauer
- Bulldog
- Leyland DAF
- Foden
- Humvee
- Stryker
- M139
- MAN
- Humvee
- Stryker
- M139
- MAN
At PSS, we put quality first. As an OE supplier to leading off-highway and military vehicle manufacturers, we apply exactly the same standards of quality and integrity to obsolescence management.

We’re accredited to ISO 9001:2008 and employ PPAP (Production Part Approval Process) and FMEA (Failure Mode & Effects Analysis) to ensure we not only meet - but exceed - OEM standards.

We’re proud members of the ADS Group and lead members of the Conseil Europeen de Remanufacture (European Remanufacturing Council).
Case Study: Series 600

Since 2004, every serving Humvee and Stryker has relied on PSS’s Series 600 steering pump. We’ve supplied over 200,000 units for new and serviced vehicles.

AM General’s High Mobility Multipurpose Wheeled Vehicle - the ‘Humvee’ - is recognisable around the world as the US military’s go-to light utility vehicle. Since 1984, it’s served in every US deployment, including Somalia, Iraq and Afghanistan.

General Dynamics Land Systems’ Stryker is an eight-wheeled US armoured fighting vehicle. It can carry up to 9 soldiers and be equipped for combat, reconnaissance or evacuation.

“At PSS, we understand that reliability is mission-critical.”