



NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods. Disclosure notices and handling instructions originally received with the document must continue to apply.

AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.

ANNEX A – STATEMENT OF WORK FOR THE R&O OF STARTERS & ALTERNATORS & ELECTRIC CONTROL BOXES

The Department of National Defence requires repair and overhaul of starters, alternators and electric control boxes to support the sustainment of the Heavy Logistic Vehicle Wheeled (HLVW) fleet of vehicles. The Contractor will provide a complete evaluation and repair of these parts. This Statement of Work describes the requirements to return the following NSNs listed below in para 1 and associated internal and external parts to a serviceable condition.

1. The Contractor must carry out all necessary processes required to return the following starters, alternators, electric control boxes and related items such as internal parts, external components and parts, shafts protruding from the starters and alternators and related items to a fully serviceable condition, in accordance with the scope of work detailed herein and Annex B – Free Flow Log SOW.
 - a) NSN 2920-21-914-3618 – Starter, Engine, Electrical, p/n ESIQ 8824, NCAGE 36718
 - b) NSN 2920-23-111-9427 – Starter, Engine, Electrical/ p/n 0001416003, NCAGE 0190N
 - c) NSN 6115-21-906-7859 – Generator, Alternating current, p/n PA 1266, NCAGE 36718
 - d) NSN 2920-21-914-3621 – Generator, Alternating current, p/n PA1428, NCAGE 36718
 - e) NSN 2590-99-343-4181 – Control Box Assembly, p/n A4607130-1, NCAGE U5503
2. The Contractor must be responsible for all work related to the R&O services of the Starters and Alternators and related items, including: disassembly, cleaning, inspection, repair, overhaul, reassembly, painting, calibration, testing, and packaging & preservation of parts and their components.
3. The Contractor is responsible for procuring all replacement parts and materials in support of the R&O services to bring the aforementioned items to serviceable condition. All parts must be supplied by the OEM or their authorized distributors/dealers in accordance with the most recent OEM drawings and /or specifications. Any proposed amendments or changes to the specification of the parts must be authorized by the Technical Authority (TA).
4. All work must be performed in accordance with the most recent OEM specifications and DND specification C-30-404-000/MP-000 as applicable.
5. In the event of conflict between the documents referred to herein, the Original Equipment Manufacturers (OEM) specification takes precedence.
6. The following work is mandatory and must be performed in conjunction to para 4 for all starters and alternators and related items.
 - 6.1. Cleaning

External surfaces of housings and cases must have old paint removed ensuring there must be no cracks and that new paint must adhere to all surfaces when repainted. All internal components must be cleaned as per specifications (para 4).

6.2. Inspection

The starters and alternators and related items must be inspected completely for worn, damaged, burnt, cracked and broken internal and external parts. The process must include visual and physical inspection of all threaded holes and inserts.

6.3. Repair

The Contractor must install a thermal circuit breaker on any starter that is not equipped with one to protect it from thermal damage and to automatically reset at a safe operation temperature.

All threads and threaded ports found damaged must be repaired.

6.4. Painting

The Contractor must ensure that all exposed seals and rubber protective covers (rubber boots) are kept paint free to prevent the surfaces from drying and cracking. The Contractor must ensure all electrical terminals, internal components that are exposed via ventilation ports, electrical wiring, attached electrical components, sending units, vents, breathers and breather tubes (if made of plastic or rubber) are kept free of paint.

6.5. Testing

Alternators must meet the OEM specified output voltage and amperage in relation to the target load.

6.6. Packaging and preservation process:

The alternators, starters and related items must be preserved, packaged, handled, stored and transported as per the specifications in D-LM-008-002/SF-001. The process must include caps and inserts for all threaded openings.

7. Mandatory replacement Parts:

The contractor must replace all parts as detailed in C-30-404-000/MP-000 and the most recent OEM specifications for the following items:

- a) NSN 2920-21-914-3618 – Starter, Engine, Electrical
- b) NSN 2920-23-111-9427 – Starter, Engine, Electrical
- c) NSN 6115-21-906-7859 – Generator, Alternating current
- d) NSN 2920-21-914-3621 – Generator, Alternating

8. Substitution

8.1. All substitute parts must be supplied by OEM or the current IP Owner or their authorized distributors / dealers, in accordance with the most up to date drawings or specifications.

8.2. Any proposed amendment or change to the part specification must be authorized in writing by the Technical Authority (TA).

8.3. All non-OEM or non-IP Owner parts, must be of the same form, fit, function and quality as per the OEM's or current IP Owner's specification and must be approved in writing by the TA prior to their use.

8.4. The Contractor must provide to the TA information required to evaluate the proposed substitute parts including technical data, drawings and specifications.

8.5. The Contractor must maintain comprehensive records of all BER items including but not limited to the disposal and re-use of individual components to repair parts detailed in para 1. and provide a quarterly report to the TA of the disposition of all BER items including, but not limited to, the disposal and re-use of individual components to repair the parts detailed in para 1.

9. Repair and Overhaul Manager (R&OM):

The Contractor must assign an R&OM for this R&O contract. The R&OM is responsible for all aspects of the work under this SOW. The R&OM is the main interface with DND.

The Contractor must advise the TA and the PA of any changes associated with the role of R&OM within 10 days from the time the change is implemented.

10. Technical Investigations & Engineering Studies (TIES) and Special Investigations & Technical Studies (SITS)

The Contractor must perform TIES and SITS when requested by DND using a DND 626 (Task Authorization).

11. Quality assurance requirements

Responsibility

The contractor is responsible for all inspections required to complete the work under this SOW unless otherwise specified in the contract. Inspections include:

- a) A sample inspection for each individual R&O process stage as required;
- b) All items must be inspected for serviceability after overhaul;
- c) Visual inspection of parts prior to installation; and
- d) All inspection records must be kept as records for the duration of this contract.

Every failure will be evaluated on a case-by-case basis by the Contractor in collaboration with the Technical Authority. The contractor is fully responsible to ensure they are knowledgeable on recent OEM technology and process changes. This information is to be forwarded to the Technical Authority to determine if an engineering change must be raised.

14. Intellectual Property (IP)

The Contractor must provide a written proof from the OEM, or the current IP Owner for the equipment under this SOW that they are and remain a licensed repair and overhaul facility for the equipment under this SOW.

15. R&O Contractor Effectiveness Report

15.1 In order for the TA to properly track the work which is in progress and which has been completed, the Contractor must provide an R&O Contractor Effectiveness Report to the TA and CA on a quarterly basis and within 5 business days whenever requested.

15.2 The quarterly periods are defined as follows:

- 1st quarter: April 1 to June 30;
- 2nd quarter: July 1 to September 30;

Annex A

W8486-206974 HLVW Starter, Alternator and Electric Control Boxes

3rd quarter: October 1 to December 31; and

4th quarter: January 1 to March 31.

15.3 The report must be submitted to the TA and CA no later than 5 calendar days following the end of the quarterly reporting period.

15.4 The report must contain at least the following details:

1. Qty of items
2. NSN
3. Description
4. Work Order number
5. Date received
6. Current status
7. Estimated completion dates

15.5 Any deviations to this list of required details must be approved by the TA.