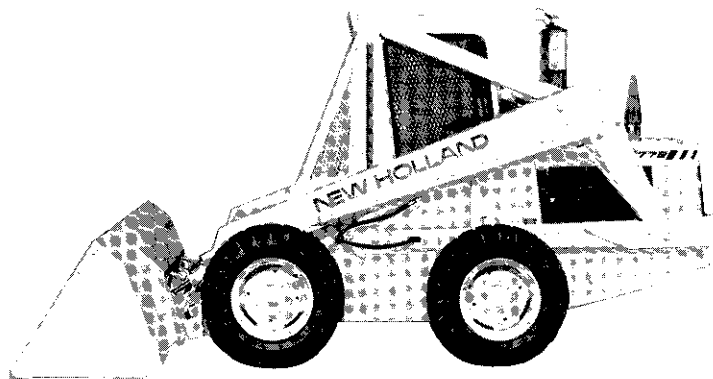


SERVICE MANUAL

SKID-STEER LOADER L-35, L-775, L-778, L-779

(CESSNA AND VICKERS-EQUIPPED)

SPERRY  NEW HOLLAND



Reprinted

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FOREWORD

This manual provides in condensed form, service and maintenance information which will serve to guide a serviceman when repairing or rebuilding Sperry New Holland L-35, L-775, L-778 or L-779 skid-steer loaders in the shop and to help him when diagnosing and correcting service difficulties in the field.

The operator's manuals and assembly information provided with each machine should be used in conjunction with this manual, as much of the information contained in this manual is condensed or supplementary in nature.

For instructions on engine repair, refer to the manufacturer's repair manual.

ADDITIONAL SERVICE INFORMATION

The following service information can be found in the operator's manual for the specific skid-steer loader being repaired.

- A. Electrical wiring diagrams.
- B. Electrical system operation.
- C. Throttle and choke adjustments.
- D. Governor adjustments.
- E. Boom lock system adjustments.
- F. Oil recommendations for engine and hydraulic system.



CAUTION! THIS SYMBOL IS USED THROUGHOUT THIS BOOK WHENEVER YOUR PERSONAL SAFETY IS INVOLVED. TAKE TIME TO BE CAREFUL.



PLEASE READ CAREFULLY!

INCLUDED THROUGHOUT THIS MANUAL AND ON MACHINE DECALS YOU WILL FIND PRECAUTIONARY STATEMENTS SUCH AS “CAUTION”, “WARNING” AND “DANGER”, FOLLOWED BY SPECIFIC INSTRUCTIONS.

THESE PRECAUTIONS ARE INTENDED FOR THE PERSONAL SAFETY OF YOU AND THOSE WORKING WITH YOU. PLEASE TAKE THE TIME TO READ THEM.

PERSONAL SAFETY!

CAUTION: THE WORD “CAUTION” IS USED WHERE A SAFE BEHAVIORAL PRACTICE ACCORDING TO OPERATING AND MAINTENANCE INSTRUCTIONS AND COMMON SAFETY PRACTICES WILL PROTECT THE OPERATOR AND OTHERS FROM ACCIDENT INVOLVEMENT.

WARNING: THE WORD “WARNING” DENOTES A POTENTIAL OR HIDDEN HAZARD WHICH HAS A POTENTIAL FOR SERIOUS INJURY. IT IS USED TO WARN OPERATORS AND OTHERS TO EXERCISE EVERY APPROPRIATE MEANS TO AVOID A SURPRISE INVOLVEMENT WITH MACHINERY.

DANGER: THE WORD “DANGER” DENOTES A FORBIDDEN PRACTICE IN CONNECTION WITH A SERIOUS HAZARD.

ADDITIONAL PRECAUTIONARY STATEMENTS SUCH AS “ATTENTION” AND “IMPORTANT” ARE FOLLOWED BY SPECIFIC INSTRUCTIONS. THESE STATEMENTS ARE INTENDED FOR MACHINE SAFETY.

MACHINE SAFETY!

ATTENTION: THE WORD “ATTENTION” IS USED TO WARN THE OPERATOR OF POTENTIAL MACHINE DAMAGE IF A CERTAIN PROCEDURE IS NOT FOLLOWED.

IMPORTANT: THE WORD “IMPORTANT” IS USED TO INFORM THE READER OF SOMETHING HE NEEDS TO KNOW TO PREVENT MINOR MACHINE DAMAGE IF A CERTAIN PROCEDURE IS NOT FOLLOWED.

IMPORTANT!

FAILURE TO FOLLOW THE “CAUTION”, “WARNING”, AND “DANGER” INSTRUCTIONS MAY POSSIBLY RESULT IN SERIOUS BODILY INJURY.

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SAFETY INFORMATION

UNSAFE OPERATING PRACTICES AND IMPROPER USE OF THE LOADER AND ITS ATTACHMENTS ON THE PART OF THE OPERATOR CAN RESULT IN INJURIES. OBSERVE THE FOLLOWING SAFETY PRECAUTIONS AT ALL TIMES:

1. GIVE COMPLETE AND UNDIVIDED ATTENTION TO THE JOB AT HAND SO COMPLETE CONTROL OF THE LOADER IS MAINTAINED AT ALL TIMES.
2. DRIVE SLOWLY OVER ROUGH GROUND AND ON SLOPES. KEEP ALERT FOR HOLES, DITCHES AND OTHER IRREGULARITIES THAT MAY CAUSE LOADER TO OVERTURN.
3. AVOID STEEP HILLSIDE OPERATION WHICH COULD CAUSE LOADER TO OVERTURN.
4. REDUCE SPEED WHEN TURNING SO THERE IS NO DANGER OF LOADER OVERTURNING.
5. ALWAYS LOOK BEHIND YOU BEFORE BACKING UP.
6. MAINTAIN PROPER TRANSMISSION OIL LEVEL TO PREVENT LOSS OF BRAKING CONTROL.
7. DO NOT ALLOW CHILDREN TO OPERATE THE LOADER.
8. DO NOT ALLOW ADULTS TO OPERATE LOADER WITHOUT PROPER INSTRUCTION.

OSHA REQUIRES THAT ALL OPERATORS BE INSTRUCTED ON THE PROPER OPERATION OF THE MACHINE BEFORE THEY OPERATE THE UNIT.
9. DO NOT ALLOW PASSENGERS TO RIDE ON LOADER AT ANY TIME.
10. DO NOT OPERATE LOADER IN ANY POSITION OTHER THAN WHILE IN THE OPERATOR'S SEAT WITH THE SEAT BELT SECURELY FASTENED.
11. BEFORE STARTING ENGINE, BE SURE OPERATING CONTROLS ARE IN NEUTRAL.
12. NEVER OPERATE LOADER ENGINE IN A CLOSED BUILDING WITHOUT ADEQUATE VENTILATION.
13. RE-FUEL LOADER OUTDOORS WITH THE ENGINE SHUT OFF. REPLACE GAS CAP SECURELY. USE AN APPROVED GASOLINE OR DIESEL CONTAINER. DO NOT SMOKE WHEN HANDLING FUEL. AVOID SPILLING.
14. AFTER OPERATING THE ENGINE, NEVER TOUCH MUFFLER, EXHAUST PIPE OR ENGINE UNTIL THEY HAVE HAD TIME TO COOL.
15. DRESS APPROPRIATELY — WEAR RELATIVELY TIGHT FITTING CLOTHING WHEN OPERATING LOADER. LOOSE OR TORN CLOTHING CAN CATCH IN MOVING PARTS OR CONTROLS.
16. PULL LOADS ONLY FROM REAR HITCH YOKE.
17. BEFORE SERVICING THE LOADER OR ANY OF ITS ATTACHED EQUIPMENT, BE SURE THE ATTACHMENTS ARE LOWERED TO THE GROUND OR THAT THE BOOM ARMS ARE SUPPORTED BY THE BOOM LOCK PINS.
18. DO NOT WORK UNDER OVERHANGS, ELECTRIC WIRES, OR WHERE THERE IS DANGER OF A SLIDE.
19. WEAR AN APPROVED SAFETY HAT WHEN OPERATING THE MACHINE, AND WHILE IN ANY WORK AREA.
20. WEAR A SUITABLE HEARING PROTECTIVE DEVICE SUCH AS EAR MUFFS OR EAR PLUGS IF YOU ARE EXPOSED TO NOISE WHICH YOU FEEL IS UNCOMFORTABLE.
21. WHEN DRIVING THE LOADER ON A ROAD OR HIGHWAY, USE WARNING LIGHTS OR WARNING DEVICES AS MAY BE REQUIRED BY LOCAL OR STATE GOVERNMENTAL REGULATIONS. HEADLIGHTS AND WARNING LIGHT KITS ARE AVAILABLE THROUGH YOUR SPERRY NEW HOLLAND DEALER. SMV SIGNS ARE SUPPLIED AS STANDARD EQUIPMENT.
22. KEEP THE LOADER CLEAN. DO NOT ALLOW TRASH, DEBRIS OR OTHER ARTICLES TO ACCUMULATE IN THE CAB OR FLOOR AREA THAT MAY HINDER SAFE MACHINE OPERATION.



Thank you very much
for your reading.
Please click here
to get more information.