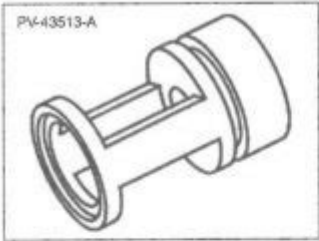


Polaris Ranger 570 Service Manual

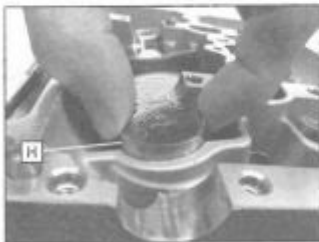
ENGINE

7. Compress the valve spring by hand using valve spring compressor adapter (PV-43513-A). Compress spring only enough to allow split keeper installation.



NOTE: To prevent damage to the valve seats, do not compress the valve spring more than necessary to install the keepers.

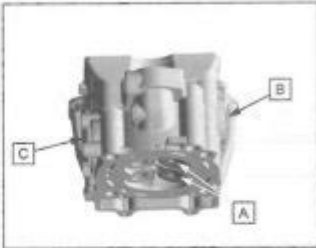
8. Install split keepers (E) with gap even on both sides.
9. Repeat this procedure for remaining valves.
10. Exercise each valve through its travel to ensure the valve keepers are seated correctly.
11. Install the valve tappet (H) for each valve in the order they were removed.



NOTE: If any valve train components were replaced, refer to "Valve Clearance Adjustment" procedure prior to "Camshaft Installation / Timing" procedure.

Valve Sealing Test

1. Clean and dry the combustion chamber area (A).
2. Pour a small amount of clean solvent into each intake port (B) and check for leakage around the valves. The valve seats should hold fluid with no seepage.
3. Repeat for exhaust valves by pouring fluid into each exhaust port (C).



3

Cylinder Head Installation

NOTE: Head gasket and surfaces must be DRY and oil free. Use care during assembly to keep oil and finger prints off of gasket.

1. Prepare cylinder head gasket seating surfaces by cleaning thoroughly to remove all residue. The new head gasket must be installed clean and dry, free from oil or grease.

NOTE: Do not touch sealing surfaces of the new head gasket.

2. Guide cam chain (D) through a new head gasket (E) and install the gasket on the cylinder, locating it on the alignment pins.
3. Carefully set the cylinder head (F) in place on alignment pins.

NOTE: Install new cylinder head bolts.

4. Install and finger tighten the (4) new cylinder head bolts (G) evenly.
5. Install and finger tighten the (2) new outer M6 bolts (H) evenly.

3.59

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REPAIRMANUAL.COM

POLARIS RANGER 570 SERVICE MANUAL IS AN ESSENTIAL RESOURCE FOR OWNERS AND MECHANICS ALIKE, PROVIDING DETAILED INFORMATION ON MAINTENANCE, TROUBLESHOOTING, AND REPAIR OF THE POLARIS RANGER 570. THIS UTILITY VEHICLE, KNOWN FOR ITS RELIABILITY AND VERSATILITY, REQUIRES REGULAR UPKEEP TO ENSURE IT OPERATES AT PEAK PERFORMANCE. THE SERVICE MANUAL SERVES AS A COMPREHENSIVE GUIDE, EQUIPPING USERS WITH THE KNOWLEDGE NEEDED TO PERFORM ROUTINE MAINTENANCE TASKS AND ADDRESS SPECIFIC ISSUES THAT MAY ARISE DURING OPERATION.

OVERVIEW OF THE POLARIS RANGER 570

THE POLARIS RANGER 570 IS A MID-SIZE UTILITY VEHICLE DESIGNED FOR VARIOUS APPLICATIONS, INCLUDING FARMING, HUNTING, AND RECREATIONAL USE. WITH ITS ROBUST ENGINE, DURABLE CONSTRUCTION, AND USER-FRIENDLY FEATURES, IT IS A FAVORITE AMONG OUTDOOR ENTHUSIASTS AND PROFESSIONALS. THE RANGER 570 IS EQUIPPED WITH A 567CC, FOUR-STROKE ENGINE THAT DELIVERS AMPLE POWER AND TORQUE, MAKING IT CAPABLE OF HANDLING TOUGH TERRAINS AND HEAVY LOADS.

KEY FEATURES

- ENGINE: 567CC, SINGLE-CYLINDER, FOUR-STROKE ENGINE.
- TRANSMISSION: AUTOMATIC PVT (POLARIS VARIABLE TRANSMISSION) WITH HIGH, LOW, NEUTRAL, AND REVERSE SETTINGS.
- CAPACITY: CAN CARRY UP TO 1,000 LBS IN THE CARGO BOX AND TOW UP TO 1,500 LBS.
- SUSPENSION: INDEPENDENT FRONT AND REAR SUSPENSION FOR A SMOOTH RIDE.
- BRAKES: HYDRAULIC DISC BRAKES FOR RELIABLE STOPPING POWER.

IMPORTANCE OF THE SERVICE MANUAL

THE POLARIS RANGER 570 SERVICE MANUAL IS CRUCIAL FOR SEVERAL REASONS. IT PROVIDES STEP-BY-STEP INSTRUCTIONS FOR MAINTENANCE AND REPAIR TASKS, ENSURING THAT USERS CAN WORK ON THEIR VEHICLES SAFELY AND EFFECTIVELY. ADDITIONALLY, THE MANUAL INCLUDES SPECIFICATIONS, DIAGRAMS, AND TROUBLESHOOTING TIPS THAT HELP IDENTIFY PROBLEMS QUICKLY.

BENEFITS OF USING THE SERVICE MANUAL

1. COMPREHENSIVE INSTRUCTIONS: THE MANUAL PROVIDES DETAILED PROCEDURES FOR ALL MAINTENANCE AND REPAIR TASKS.
2. SAFETY GUIDELINES: IT INCLUDES SAFETY PRECAUTIONS TO PREVENT ACCIDENTS WHILE WORKING ON THE VEHICLE.
3. PARTS IDENTIFICATION: USERS CAN FIND PART NUMBERS AND SPECIFICATIONS FOR ORDERING REPLACEMENTS.
4. TROUBLESHOOTING: STEP-BY-STEP TROUBLESHOOTING GUIDES HELP DIAGNOSE AND RESOLVE COMMON ISSUES.
5. MAINTENANCE SCHEDULES: THE MANUAL OUTLINES RECOMMENDED MAINTENANCE INTERVALS FOR OPTIMAL PERFORMANCE.

MAINTENANCE GUIDELINES

REGULAR MAINTENANCE IS VITAL FOR THE LONGEVITY AND PERFORMANCE OF THE POLARIS RANGER 570. THE SERVICE MANUAL OUTLINES VARIOUS MAINTENANCE TASKS, INCLUDING OIL CHANGES, FILTER REPLACEMENTS, AND INSPECTIONS.

ROUTINE MAINTENANCE TASKS

1. OIL CHANGE:
 - CHECK OIL LEVEL REGULARLY AND CHANGE OIL AND FILTER EVERY 50 HOURS OF OPERATION OR ANNUALLY.
 - USE THE RECOMMENDED OIL TYPE SPECIFIED IN THE MANUAL.
2. AIR FILTER REPLACEMENT:
 - INSPECT THE AIR FILTER EVERY 25 HOURS.
 - REPLACE OR CLEAN AS NECESSARY TO ENSURE PROPER AIRFLOW TO THE ENGINE.
3. BRAKE INSPECTION:
 - CHECK BRAKE FLUID LEVELS REGULARLY.
 - INSPECT BRAKE PADS FOR WEAR AND REPLACE THEM IF THEY ARE LESS THAN 1/8 INCH THICK.
4. TIRE MAINTENANCE:
 - REGULARLY CHECK TIRE PRESSURE AND TREAD WEAR.
 - ROTATE TIRES EVERY 100 HOURS OF OPERATION FOR EVEN WEAR.
5. BATTERY CARE:
 - INSPECT BATTERY TERMINALS FOR CORROSION AND ENSURE THEY ARE CLEAN.
 - CHECK THE BATTERY CHARGE LEVEL AND REPLACE IT IF IT SHOWS SIGNS OF FAILING.

TROUBLESHOOTING COMMON ISSUES

EVEN WITH REGULAR MAINTENANCE, ISSUES MAY ARISE DURING THE OPERATION OF THE POLARIS RANGER 570. THE SERVICE MANUAL PROVIDES TROUBLESHOOTING STEPS FOR COMMON PROBLEMS.

COMMON PROBLEMS AND SOLUTIONS

1. ENGINE WON'T START:

- CHECK THE BATTERY CHARGE AND CONNECTIONS.
- ENSURE THE KILL SWITCH IS IN THE "RUN" POSITION.
- INSPECT THE FUEL SYSTEM FOR CLOGS OR LEAKS.

2. POOR PERFORMANCE:

- CHECK THE AIR FILTER AND REPLACE IT IF DIRTY.
- ENSURE THE FUEL IS CLEAN AND FRESH.
- INSPECT SPARK PLUGS FOR WEAR AND REPLACE THEM IF NECESSARY.

3. OVERHEATING:

- INSPECT THE COOLANT LEVEL AND TOP IT OFF IF LOW.
- ENSURE THE RADIATOR IS CLEAN AND FREE FROM OBSTRUCTIONS.
- CHECK FOR ANY LEAKS IN THE COOLING SYSTEM.

4. STEERING ISSUES:

- INSPECT THE STEERING COMPONENTS FOR WEAR OR DAMAGE.
- CHECK THE POWER STEERING FLUID LEVEL AND TOP OFF IF NECESSARY.
- ENSURE THE WHEEL ALIGNMENT IS CORRECT.

REPAIR PROCEDURES

WHEN MAINTENANCE AND TROUBLESHOOTING DO NOT RESOLVE ISSUES, REPAIR PROCEDURES MAY BE NECESSARY. THE SERVICE MANUAL PROVIDES DETAILED REPAIR INSTRUCTIONS FOR VARIOUS COMPONENTS.

REPAIRING THE ENGINE

- REMOVING THE ENGINE:
 - DISCONNECT BATTERY AND REMOVE ANY ELECTRICAL CONNECTIONS.
 - DRAIN THE ENGINE OIL AND COOLANT.
 - REMOVE THE ENGINE MOUNTING BOLTS AND CAREFULLY LIFT THE ENGINE OUT.
- REPLACING THE ENGINE COMPONENTS:
 - FOLLOW SPECIFIC GUIDES IN THE MANUAL FOR REPLACING PARTS SUCH AS THE PISTON, RINGS, AND GASKETS.
 - REASSEMBLE IN REVERSE ORDER, ENSURING ALL CONNECTIONS ARE SECURE.

REPLACING THE TRANSMISSION BELT

- ACCESSING THE BELT:
 - REMOVE THE ACCESS PANEL AS INDICATED IN THE MANUAL.
 - RELEASE THE TENSION ON THE BELT BY COMPRESSING THE CLUTCH.

- INSTALLING THE NEW BELT:
- CAREFULLY POSITION THE NEW BELT AND ENSURE IT IS SEATED CORRECTLY ON BOTH CLUTCHES.
- REINSTALL THE ACCESS PANEL AND TEST THE OPERATION.

CONCLUSION

IN CONCLUSION, THE POLARIS RANGER 570 SERVICE MANUAL IS AN INDISPENSABLE TOOL FOR ANYONE WHO OWNS OR WORKS ON THIS VERSATILE UTILITY VEHICLE. BY FOLLOWING THE GUIDELINES AND PROCEDURES OUTLINED IN THE MANUAL, USERS CAN MAINTAIN THEIR RANGER 570 IN OPTIMAL CONDITION, TROUBLESHOOT COMMON ISSUES, AND PERFORM NECESSARY REPAIRS EFFECTIVELY. REGULAR MAINTENANCE NOT ONLY ENHANCES THE VEHICLE'S PERFORMANCE BUT ALSO EXTENDS ITS LIFESPAN, MAKING IT A RELIABLE COMPANION FOR ALL OUTDOOR ADVENTURES. WHETHER YOU ARE A SEASONED MECHANIC OR A FIRST-TIME OWNER, HAVING ACCESS TO THE SERVICE MANUAL WILL EMPOWER YOU TO TAKE CONTROL OF YOUR VEHICLE'S MAINTENANCE AND ENSURE A SMOOTH RIDE FOR YEARS TO COME.

FREQUENTLY ASKED QUESTIONS

WHAT IS THE PURPOSE OF THE POLARIS RANGER 570 SERVICE MANUAL?

THE POLARIS RANGER 570 SERVICE MANUAL PROVIDES DETAILED INSTRUCTIONS FOR MAINTENANCE, TROUBLESHOOTING, AND REPAIR OF THE VEHICLE, ENSURING OPTIMAL PERFORMANCE AND LONGEVITY.

WHERE CAN I FIND A DIGITAL COPY OF THE POLARIS RANGER 570 SERVICE MANUAL?

DIGITAL COPIES OF THE POLARIS RANGER 570 SERVICE MANUAL CAN TYPICALLY BE FOUND ON THE OFFICIAL POLARIS WEBSITE OR THROUGH AUTHORIZED DEALERS AND THIRD-PARTY MANUALS WEBSITES.

DOES THE POLARIS RANGER 570 SERVICE MANUAL INCLUDE WIRING DIAGRAMS?

YES, THE POLARIS RANGER 570 SERVICE MANUAL INCLUDES WIRING DIAGRAMS THAT ILLUSTRATE THE ELECTRICAL SYSTEM FOR EASIER TROUBLESHOOTING AND REPAIRS.

WHAT MAINTENANCE TASKS ARE COVERED IN THE POLARIS RANGER 570 SERVICE MANUAL?

THE MANUAL COVERS A VARIETY OF MAINTENANCE TASKS INCLUDING OIL CHANGES, AIR FILTER REPLACEMENTS, BRAKE ADJUSTMENTS, AND FLUID LEVEL CHECKS.

IS THE POLARIS RANGER 570 SERVICE MANUAL SUITABLE FOR BEGINNERS?

YES, THE POLARIS RANGER 570 SERVICE MANUAL IS DESIGNED TO BE USER-FRIENDLY, MAKING IT SUITABLE FOR BOTH BEGINNERS AND EXPERIENCED MECHANICS.

HOW OFTEN SHOULD I REFER TO THE POLARIS RANGER 570 SERVICE MANUAL?

IT'S RECOMMENDED TO REFER TO THE POLARIS RANGER 570 SERVICE MANUAL BEFORE PERFORMING ANY MAINTENANCE OR REPAIR TASKS, AND REGULARLY FOR SCHEDULED MAINTENANCE CHECKS.

CAN I USE THE POLARIS RANGER 570 SERVICE MANUAL FOR OTHER RANGER MODELS?

WHILE SOME INFORMATION MAY OVERLAP, THE POLARIS RANGER 570 SERVICE MANUAL IS SPECIFICALLY DESIGNED FOR THE 570 MODEL, AND USING IT FOR OTHER MODELS MAY LEAD TO INACCURACIES.

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