

Torque Specifications

COMPONENT	FT. LBS. (IN.LBS.)	NM
Transmission Case Bolts	25-30	36-43
Bell Crank Nut	12-18	17-26
Transmission Fill/Drain Plug	20-25	29-36
Trans. Mounting Bolts	40	57
Gear Sector Cover	8-12	11-17
Oil Deflector Screws	(20-30)	2-3.6
Snorkel Torx Screw	8-12	11-17
Bearing Cover	8-12	11-17
Carrier Cover	23-27	33-39
Shift Fork Retainer Screws	8-12	11-17
Park Plate	8-12	11-17

Special Tools

PART NUMBER	TOOL DESCRIPTION
2871695 (Part of 2871702 Kit)	Backlash Setting Tool
2871698 (Part of 2871702 Kit)	Rear Output Seal Driver
2871699 (Part of 2871702 Kit)	Rear Driveshaft Seal Guide
2871282	Bearing Seal Driver (50 mm)
PA-50231	Snorkel Tool

Lubrication

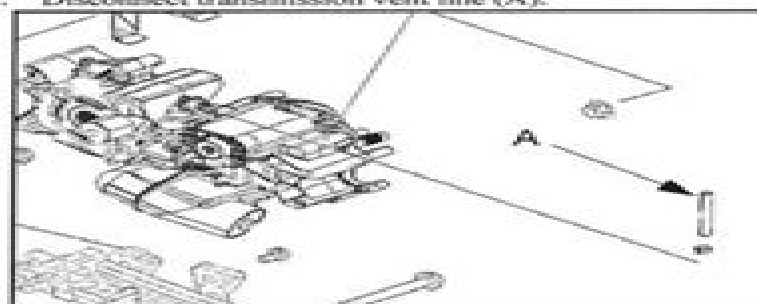
Refer to Chapter 2 for transmission lubricant type and capacity.

Gear Selector Removal

1. Disconnect linkage rod from gear selector handle.
2. Remove two bolts attaching gear selector mount to machine frame.
3. Lift gear selector out of mounting bracket and away from frame.

Transmission Removal

1. Place vehicle in "park". Raise and securely support rear of ATV at the frame. Remove both rear wheels.
2. Drain transmission lubricant (if required).
3. Remove seat, both side panels, both rear cab-quarter panels and both footwells as required. See Chapter 5.
4. Disconnect the differential, speed sensor and gear selection switch connectors from the transmission (as required depending on model).
5. Disconnect transmission vent line (A).



6. Disconnect shift rod end (B) from transmission bellcrank (C).



7. Remove PVT outer cover, drive and driven clutches, and the inner PVT cover. (refer to Clutch Removal in Chapter 6).
8. Remove both rear drive shafts. Brake caliper removal is required. Do not let calipers hang by the brake line. See Chapters 7 and 9.
9. Remove both upper shock absorber mounting bolts and swing shocks away from the transmission.
10. Remove the torsion bar mountings from the control arms.

Polaris 2007 Sportsman 450 500 X2 Efi Repair Service Manual

Alan Ahlstrand, John Harold Haynes



Polaris 2007 Sportsman 450 500 X2 Efi Repair Service Manual:

Polaris Sportsman 400, 450 & 500 1996-2013 Manual Penton Staff,2000-05-24 Sportman 400 2001 2005 Sportsman 450 2006 2007 Sportsman 450 Browning Edition 2006 Sportsman 500 1996 2010 Sportsman 500 RSE 2000 2002 Sportsman 500 DUSE 2001 2002 Sportsman 500 HO 2001 2006 2008 2010 Sportsman 500 X2 2006 2010 Sp Polaris Sportsman 600, 700, & 800 Series 2002-2010 Penton Staff,2000-05-24 Sportsman 600 2003 2005 Sportsman 700 2002 2006 Sportsman 700 EFI 2004 2007 Sportsman 700 EFI X2 2008 Sportsman MV7 2005 2006 Sportsman 800 EFI 2005 2010 Sportsman 800 EFI X2 2007 2009 Sportsman 800 EFI Touring 2008 2009 **Clymer Polaris Sportsman 400, 450 & 500, 1996-2010** Ed Scott,2010 Polaris ATV Owners Workshop Manual Alan Ahlstrand,John Harold Haynes,2004 The purpose of this manual is to help you get the best value from your ATV It can help you decide what work must be done even if you choose to have it done by a dealer service department or a repair shop it provides information and procedures for routine maintenance and servicing and it offers diagnostic and repair procedures to follow when trouble occurs This book should allow you to tackle any job yourself nbs **Polaris ATVs 250-800cc, '98-'07** Alan Ahlstrand,Ken Freund,2018-05-01 Each Haynes manual provides specific and detailed instructions for performing everything from basic maintenance and troubleshooting to a complete overhaul of the machine in this case the Polaris ATVs 250 800cc model years 1998 through 2007 Do it yourselves will find this service and repair manual more comprehensive than the factory manual making it an indispensable part of their tool box A typical Haynes manual covers general information troubleshooting lubrication and routine maintenance engine top end engine lower end primary drive clutch and external shift mechanism transmission and internal shift mechanism engine management system electrical system wheels tires and drivebelt front suspension and steering rear suspension brakes body and color wiring diagrams An index makes the manual easy to navigate *Polaris Predator 2003-2007* Penton Staff,2000-05-24 Predator 500 2003 2007 Predator 500 Troy Lee Designs 2005 2006 **Clymer Polaris Ranger 800, 2010-2014** Haynes Publishing,2017-10-25 The Clymer Polaris Ranger 800 2010 2014 Repair Manual features complete maintenance and repair information for the Polaris RZR 800 built during model years 2008 2014 More than 700 Photos guide the reader through every job Where possible tools developed by the writers during the disassembly and reassembly of the machine are described in the text to save the reader from spending hundreds of dollars on factory tools Each manual features quick reference data plus chapters on Troubleshooting Lubrication maintenance and tune up Engine top end Engine lower end Clutch and drivebelt system Transmission Engine management system Electrical system Cooling system Wheels hubs and tires Front suspension steering and front gearcase Rear suspension and rear gearcase Brakes Body Wiring diagrams

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