



TECHNICAL SERVICE BULLETIN

Date: May 21, 2007

All Terrain Vehicle

Bulletin Number: ATV-07-01A
ATV-07-01B
Model Years: 2006

Safety Bulletin

Service Bulletin

Service Alert Fax

Production Update Kit

Distribution: Owner / Principal Service Manager Sales Manager Parts Manager Technicians

This Service Bulletin is located at www.polarisdealers.com

-Confidential and Proprietary-

SUBJECT: **** REVISED** 2006 HAWKEYE 2x4 / 4x4 / Intl - Front Bearing Carrier Replacement and Steering Post Support Bracket Installation**

PURPOSE:

Service Bulletin ATV-07-01A: Affects all units produced prior to January 23, 2006. These ATVs need to have both the "Front Bearing Carrier Replacement" and "Steering Post Support Bracket Installation" performed.

ATVs affected by this Safety Bulletin have front bearing carrier castings which may have been produced with an insufficient amount of material thickness in the area where the lower a-arm and ball joint attach. Failure of this component may lead to loss of steering control resulting in an accident and serious personal injury to the operator. Updated bearing carrier assemblies have been developed to address this issue.

ATVs affected by this Safety Bulletin also have steering posts which may fatigue and break in the area where the handlebar attaches to the steering post. Failure of this component may lead to loss of steering control resulting in an accident and serious personal injury to the operator. A Support Bracket Kit has been developed to address this issue.

Service Bulletin ATV-07-01B: Affects all units produced from January 23, 2006 through January 30, 2006. These ATVs only require the "Front Bearing Carrier Replacement" to be performed.

ATVs affected by this Safety Bulletin have front bearing carrier castings which may have been produced with an insufficient amount of material thickness in the area where the lower a-arm and ball joint attach. Failure of this component can lead to loss of steering control resulting in an accident and serious personal injury to the operator. Updated bearing carrier assemblies have been developed to address this issue.

AFFECTED MODELS: **ATV-07-01A - Front Bearing Carrier Replacement / Steering Post Support Bracket Installation**

Model Year	Model Numbers	Models	Vehicle Identification Number Range
2006	A06LB27AA A06LD27AA/AB/AC A06LB27FA A06LD27FB	Hawkeye 2x4 Hawkeye 4x4 Hawkeye 2x4 Intl Hawkeye 4x4 Intl	All VINs produced PRIOR to January 23, 2006. Reference "Unit Inquiry" on the dealer website to lookup affected ATV VINs.

AFFECTED MODELS: **ATV-07-01B - Front Bearing Carrier Replacement ONLY**

Model Year	Model Numbers	Models	Vehicle Identification Number Range
2006	A06LB27AA A06LD27AA/AB/AC A06LB27FA A06LD27FB	Hawkeye 2x4 Hawkeye 4x4 Hawkeye 2x4 Intl Hawkeye 4x4 Intl	All VINs produced from January 23, 2006 through January 30, 2006. Reference "Unit Inquiry" on the dealer website to lookup affected ATV VINs.

PARTS INFORMATION: ATV-07-01A Steering Post Support Bracket Installation

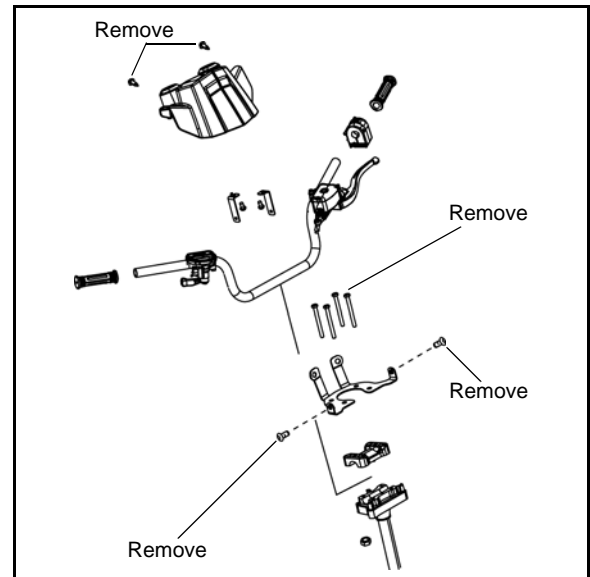
PART NUMBER / DESCRIPTION	2203644 / Steering Post Support Bracket Kit
PARTS AVAILABILITY	Week of May 28, 2007
QUANTITY (Per Affected Unit)	QTY 1 - Support Bracket Kit
DIRECT-SHIP FROM POLARIS?	NO
TO BE ORDERED BY DEALER?	YES

REPAIR PROCEDURE: ATV-07-01A Steering Post Support Bracket Installation

IMPORTANT NOTE: Only certified Master Service Dealer (MSD) Technicians should perform Safety Bulletin repairs.

REMOVAL:

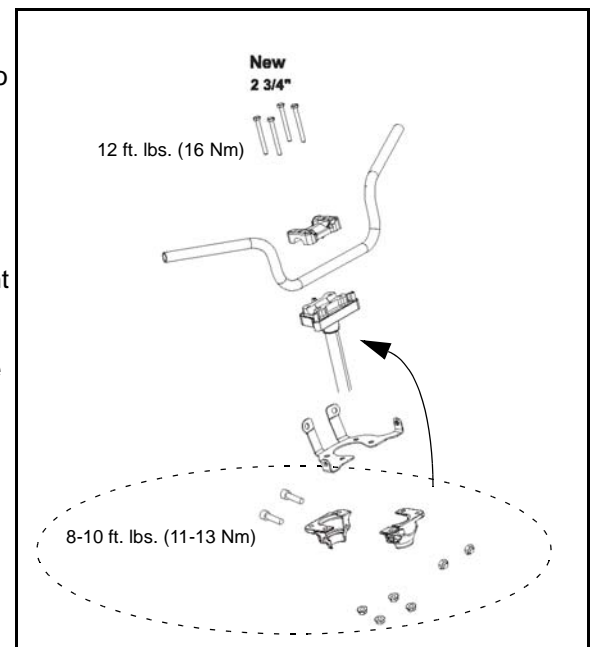
1. Remove the two plastic push rivets from the rear portion of the instrument pod.
2. Remove the two screws that attach the pod support mounts to the pod mounting bracket and set the instrument pod off to the side.
3. Remove the four fasteners retaining the upper handlebar block.



INSTALLATION: ****Revised****

4. Assemble the steering support bracket and components according to the instructions in **Kit PN 2203644**. Torque all fasteners to specification.
5. Install the two screws that attach the pod support mounts to the pod mounting bracket.
6. Install the two plastic push rivets into the rear portion of the instrument pod.

IMPORTANT: Test drive unit at slow speeds and re-verify the torque of all fasteners before putting vehicle back into service.



PARTS INFORMATION: ATV-07-01A or ATV-07-01B - Front Bearing Carrier Replacement

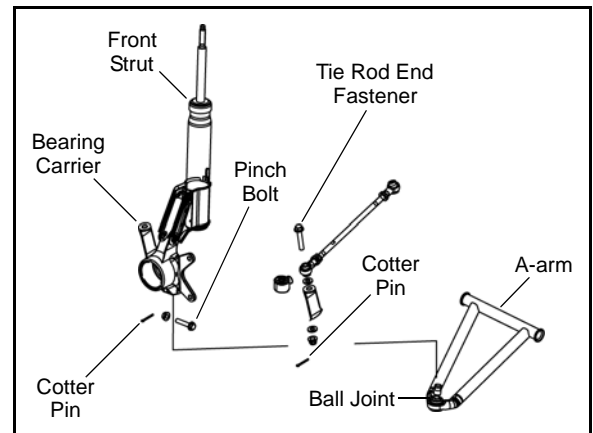
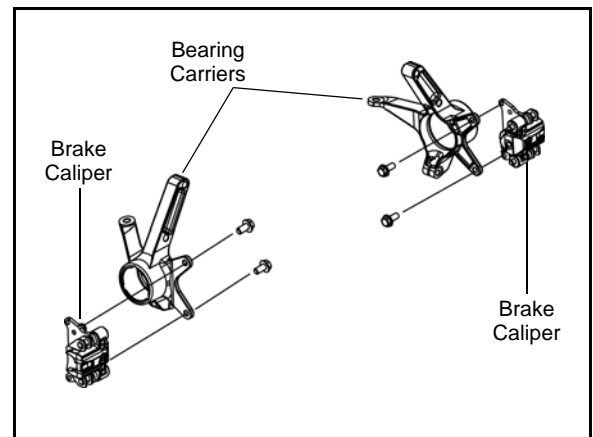
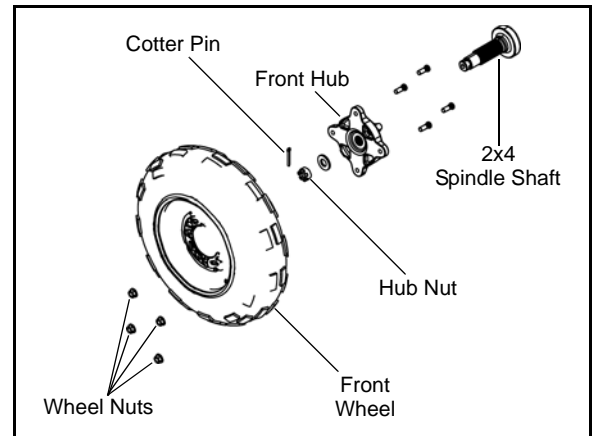
PART NUMBER / DESCRIPTION	2203643 / Front RH and LH Bearing Carrier Kit
PARTS AVAILABILITY	Week of May 28, 2007
QUANTITY (Per Affected Unit)	QTY 1 - Bearing Carrier Kit
DIRECT-SHIP FROM POLARIS?	NO
TO BE ORDERED BY DEALER?	YES

REPAIR PROCEDURE: ATV-07-01A or ATV-07-01B - Front Bearing Carrier Replacement

IMPORTANT NOTE: Only certified Master Service Dealer (MSD) Technicians should perform Safety Bulletin repairs.

REMOVAL:

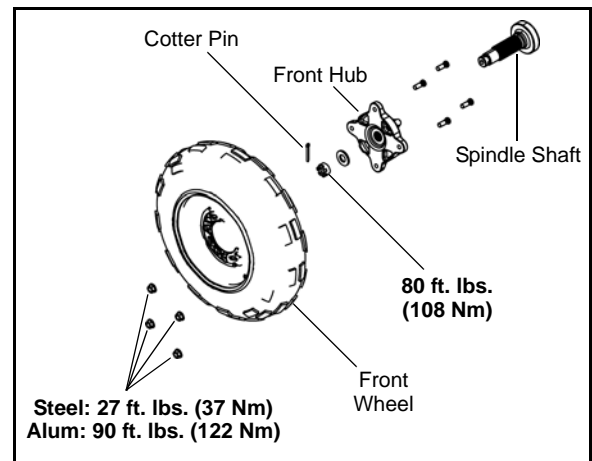
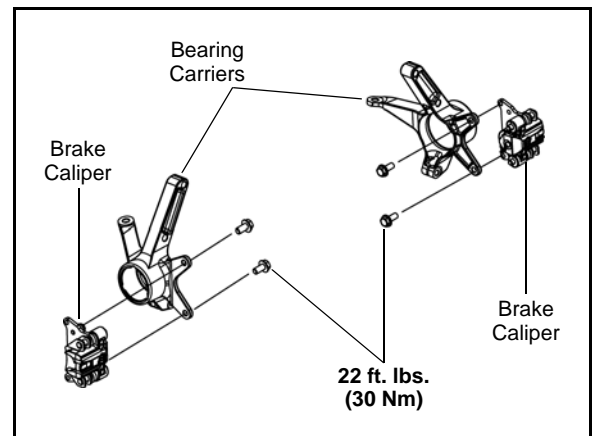
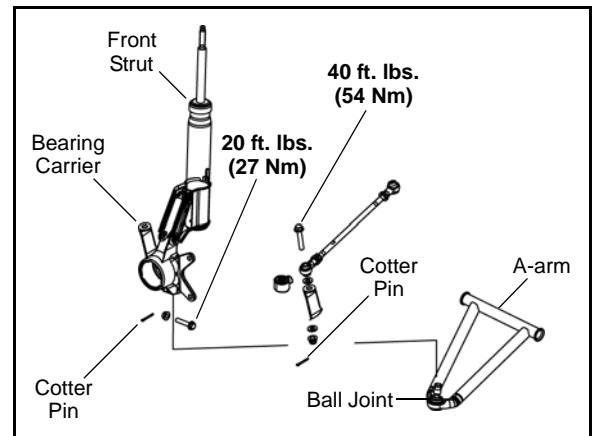
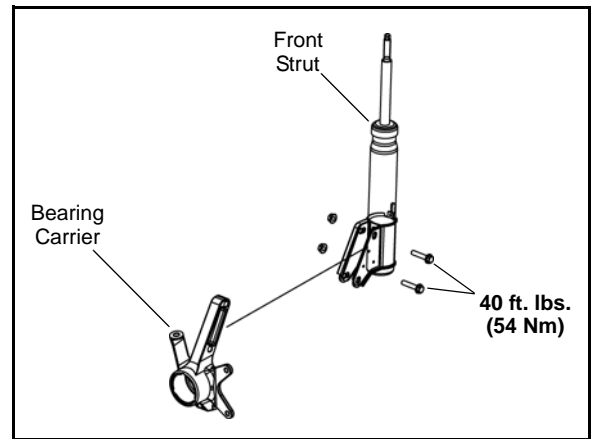
1. Loosen front wheel nuts on both sides.
2. Remove cotter pins and loosen front hub nuts on both sides.
3. Elevate and support the front end of the ATV securely with both front tires off the ground. Remove both front wheels.
4. Remove both front calipers from the bearing carrier housing.
5. Remove both front hubs (2x4 ONLY - Remove the splined shafts from the bearing carrier assembly at this time).
6. Remove both tie-rod ends from the bearing carrier assembly.
7. Completely remove the cotter pins, pinch bolts and nuts that hold each A-arm ball joint to the bearing carrier assembly.
8. Remove the A-arm ball joint from each bearing carrier assembly (4x4 ONLY - Remove the CV splined shafts from the bearing carrier during A-arm removal at this time).
9. Remove the fasteners that attach the bearing carriers to the strut housings and remove the bearing carrier assemblies from the vehicle.



IMPORTANT: Save all removed warranty parts for recall in accordance with warranty guidelines.

INSTALLATION:

10. Install a new LH Front Bearing Carrier Assembly PN 1521236 and RH Front Bearing Carrier Assembly PN 1521237 onto their corresponding strut housings.
11. Install the bearing carrier fasteners through the strut and carrier and torque to **40 ft. lbs. (54 Nm)**.
12. Install the A-arm ball joints previously removed into the bearing carrier pinch bolt area (4x4 ONLY - Install the CV splined shafts into the bearing carrier prior to ball joint installation). Verify that the A-arm ball joints are fully inserted to allow pinch bolt installation.
13. Install the pinch bolts PN 7518698 and nuts PN 7547317 that hold the A-arm ball joints to the bearing carrier assemblies. Install pinch bolts with the bolt head at the front of the machine and the nut at the rear. Torque to **20 ft. lbs (27 Nm)**. Install the cotter pins PN 7661203 and bend the ends to secure them.
14. Install the tie-rod ends onto the carrier housing and torque to **40 ft. lbs. (54 Nm)**.
15. Install both front hubs. (2x4 ONLY - Install the splined shafts into the bearing carrier assembly at this time) Install the washers and hubs nuts and tighten as securely as possible.
16. Install both front calipers and torque the fasteners to **22 ft. lbs. (30 Nm)**.
17. Install the front wheels and tighten as securely as possible. **Lower ATV to ground at this time for final torque.**
18. Torque hub nuts to **80 ft. lbs. (109 Nm)**. Install the cotter pins and bend ends to secure them.
19. Torque the wheel fasteners to **27 ft. lbs. (37 Nm) for Polaris steel wheels or 90 ft. lbs. (122 Nm) for Polaris aluminum wheels** (Note: Non-O.E.M. rims - follow rim manufacturer's specifications).
20. Check vehicle for proper wheel alignment and adjust if required. Refer to Hawkeye Service Manual Chapter 2.



IMPORTANT: Test drive unit at slow speeds and re-verify the torque of all fasteners before putting vehicle back into service.

WARRANTY CLAIM INFORMATION:

A single group claim may be submitted listing the complete 17-digit VIN for machines WITH THE SAME MODEL NUMBER. File claim type SB (Service Bulletin). DO NOT ENTER MORE THAN ONE MODEL NUMBER ON A WARRANTY CLAIM. Removed components are to be retained according to the Polaris Warranty Policy for possible return to the Warranty Department.

ATV-07-01A: Front Bearing Carrier Replacement and Steering Post Support Bracket Installation

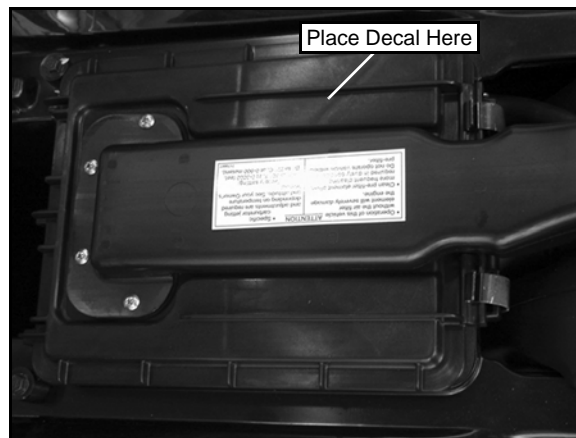
Service Bulletin #	ATV-07-01A
Claim Type	SB (Service Bulletin)
Labor Allowance	2.0 Hr (120 minutes)
Claim Part Numbers	N/A - Auto Process Bulletin

ATV-07-01B: Front Bearing Carrier Replacement ONLY

Service Bulletin #	ATV-07-01B
Claim Type	SB (Service Bulletin)
Labor Allowance	1.5 Hr (90 minutes)
Claim Part Numbers	N/A - Auto Process Bulletin

SERVICE BULLETIN COMPLETION DECAL:

A Service Bulletin Completion Decal must be completed for this bulletin repair. Place the decal on the unit as shown. If you require more decals, order them through normal Polaris parts ordering channels.



CUSTOMER NOTIFICATION:

Consumers with an affected unit should stop riding immediately and have this Safety Bulletin performed. Polaris will inform all registered consumers in North America with affected ATVs by mail. A copy of the customer letter can be found on page 6. In addition to consumer machines, dealers are required to correct any affected machines in their inventory.

Sincerely,

Laurie Rengel
Manager, Service Dealer Development and Warranty
April 27, 2007

Dear Polaris ATV Owner:

In cooperation with the U.S. Consumer Product Safety Commission (CPSC), Polaris Industries Inc. is voluntarily recalling all 2006 Hawkeye 2x4 and 4x4 ATVs produced prior to January 30, 2006. Our records indicate that you are still the current registered owner of a potentially affected unit.

This letter is to notify you that Polaris has determined some Model Year 2006 Hawkeye 2x4 and 4x4 ATVs produced prior to January 23, 2006 may have been manufactured with steering posts which may fatigue and break in the area where the handlebar attaches to the steering post. Failure of this component may lead to loss of steering control resulting in an accident and serious personal injury to the operator.

Polaris has also determined that some Model Year 2006 Hawkeye 2x4 and 4x4 ATVs produced prior to January 30, 2006 may have been manufactured with an insufficient amount of material thickness in the area where the lower a-arm and ball-joint are attached to the front bearing carrier. Failure of this component may lead to loss of steering control resulting in an accident and serious personal injury to the operator.

It's important to note that units produced from January 23, 2006 through January 30, 2006 are only affected by the front bearing carrier issue.

DO NOT OPERATE YOUR ATV UNTIL THIS SAFETY BULLETIN HAS BEEN COMPLETED!

Your authorized Polaris ATV dealer has been issued Safety Bulletins ATV-07-01A and ATV-07-01B. Safety Bulletin ATV-07-01A instructs your dealer to install a steering post support bracket kit and to replace the front bearing carrier assemblies. Safety Bulletin ATV-07-01B instructs your dealer to only replace the front bearing carrier assemblies. These Safety Bulletins apply even if a front bearing carrier assembly has been previously replaced on an affected unit. Please contact an authorized Polaris ATV dealer immediately to arrange a time to have the repair(s) performed to your ATV. The parts required to repair your ATV will be available the week of May 28, 2007. This work will be performed at no charge to you.

This notice was mailed to you according to our most current registration information. While your Polaris ATV dealer is in the best position to answer your questions, if you have any questions your dealer cannot address, you may call our Customer Service Department at 1-888-704-5290.

If you need assistance contacting a Polaris Dealer, please call 1-800-POLARIS or visit the Polaris web site at www.polarisindustries.com.

We apologize for any inconvenience this has caused you.

Sincerely,



Laurie Rengel
Manager, Service Dealer Development & Warranty