



IMPORTANT MESSAGE

This symbol of safety will alert you to the possibility of danger. Carefully read each message that follows the safety symbol

CALIBRATION GUIDE

Included in this guide is a partial listing of **KNOWN, REASONABLE, CALIBRATIONS**

The calibrations in this guide are in no way the **ULTIMATE FOR ALL** applications! They are general for **TRAIL RIDING**, not **RACING**.

Calibrations on list are not **HIGH ALTITUDE** (above 4,000 ft) unless noted.



NOTE: WARRANTY DISCLAIMER BELOW, CONCERNING RACING APPLIATIONS

THIS CALIBRATION GUIDE IS INTENDED FOR USE IN CONJUCTION WITH LITERATURE NO 161004A - INSTALLATION INSTRUCTIONS FOR ARMS AND SPRING.

CAUTION! To replace cam arms and spring, use care when disassembling cover - hold cover in place until all bolts are removed, then gradually ease cover off. See page 3, step #4 of Literature #161004A (included with clutch).



INSTALLATION TO BE PERFORMED BY AUTHORIZED COMET DISTRIBUTORS OR DEALERS ONLY.



READ INSTRUCTIONS IN LITERATURE #161004A CAREFULLY! FAILURE TO COMPLY WITH THE PRECEDURES WILL VOID WARRANTY.



DANGER! DON'T OPERATE ENGINE ABOVE 9,000 RPM . NEVER OPERATE ENGINE WITHOUT BELT AND BELT GUARD IN PLACE. RACING APPLICATIONS AND/OR DISREGARD OF WARNINGS WILL RESULT IN TOTAL DISCLAIM OF WARRANTY OR ANY OTHER LIABILITY BY COMET INDUSTRIES.



LOC NUTS MUST NOT BE REAPPLIED FOR A THIRD TIME. ALWAYS REPLACE AFTER USE IN TWO INSTALLATIONS. ORDERING INFORMATION IS ON PAGE 2 OF LITERATURE #161004A.

POLARIS MODELS

***** IMPORTANT NOTE *****

Start with 103 HPQ clutch part #218875. This clutch comes calibrated with 214651 cam arms and a 203473 spring.

Change the cam arms or spring as needed per the calibration chart below.

| Model | SPRING | ARMS |
|-------------------------|---------|---------|
| 2006 Models | | |
| Hawkeye 300 2x4 | #204115 | #214651 |
| Phoenix 200 | #204115 | #214651 |
| 2005 Models | | |
| Phoenix 200 | #204115 | #214651 |
| 2003 Models | | |
| Trail Blazer 400 | #204115 | #214651 |
| Scrambler 500 2x4 / 4x4 | #203473 | #207689 |
| 2002 Models | | |
| Magnum 325 4x4 | #203473 | #207689 |
| Scrambler 400 2x4 | #204115 | #214651 |
| Scrambler 400 4x4 | #204115 | #214651 |
| Xplorer 250 4x4 | #203473 | #207689 |
| Scrambler 500 2x4 / 4x4 | #203473 | #207689 |
| 2001 Models | | |
| Magnum 325 4x4 | #203473 | #207689 |
| Scrambler 400 2x4 | #204115 | #214651 |
| Xplorer 250 4x4 | #203473 | #207689 |
| Sport 400 | #204115 | #214651 |
| Scrambler 500 4x4 | #203473 | #207689 |
| 2000 Models | | |
| Sportsman 335 | #203473 | #207689 |
| Magnum 325 4x4 | #203473 | #207689 |
| Scrambler 400 4x4 | #204115 | #214651 |
| Scrambler 400 2x4 | #204115 | #214651 |
| Xplorer 250 4x4 | #203473 | #207689 |
| Sport 400 | #204115 | #214651 |
| Scrambler 500 4x4 | #203473 | #207689 |

| Model | SPRING | ARMS |
|--------------------------|---------|---------|
| 1999 Models | | |
| Xpress 300 | #203473 | #207689 |
| Scrambler 400 | #204115 | #214651 |
| Scrambler 400 4x4 | #204115 | #214651 |
| Sport 400 | #204115 | #214651 |
| Scrambler 500 4x4 | #203473 | #207689 |
| 1998 Models | | |
| Scrambler 400 | #204115 | #214651 |
| Scrambler 400 4x4 | #204115 | #214651 |
| Sport 400 | #204115 | #214651 |
| Scrambler 500 4x4 | #203473 | #207689 |
| Trail Boss 250 | #203473 | #207689 |
| 1997 Models | | |
| Scrambler 400 4x4 | #204115 | #214651 |
| Scrambler 400 | #204115 | #214651 |
| Sport 400 | #204115 | #214651 |
| Trail Boss 250 | #203473 | #207689 |
| 1996 Models | | |
| Sport 400 & Trail Blazer | #204115 | #214651 |
| Xpress 300 | #204115 | #214651 |
| Scrambler 400 | #204115 | #214651 |
| Scrambler 400 4x4 | #204115 | #214651 |
| Trail Boss 250 | #203473 | #207689 |
| 1995 Models | | |
| Trail Boss 250 | #203473 | #207689 |
| Trail Boss 250 | #203473 | #207689 |
| Sport 400 | #204115 | #214651 |

| Model | SPRING | ARMS |
|--------------------|---------|---------|
| 1994 Models | | |
| Trail Boss 250 | #203473 | #207689 |
| Trail Blazer 250 | #203473 | #207689 |
| 1993 Models | | |
| 250 4x4 | #203473 | #207689 |
| 350 4x4 | #203473 | #207689 |
| Trail Blazer 250 | #203473 | #207689 |
| Sportsman 400 4x4 | #203473 | #207689 |
| Trail Boss 250 | #203473 | #207689 |
| 1992 Models | | |
| Trail Boss 250 4x4 | #203473 | #207689 |
| Trail Blazer 250 | #203473 | #207689 |
| 1991 Models | | |
| Trail Blazer 250 | #203473 | #207689 |
| Trail Boss 4x4 250 | #203473 | #207689 |
| Trail Boss 4x4 350 | #203473 | #207689 |

ENGAGEMENT CHART

| ARMS | SPRING | ENG RPM |
|---------------|---------|----------------|
| #207689 | #203473 | 2400 |
| #214651 | #204115 | 3400 |
| Black Spring | #204115 | \$16.10 |
| Pink Spring | #203473 | \$24.40 |
| A-54 Cam Arm* | #214651 | \$14.80 |
| A-1 Cam Arm* | #207689 | \$14.80 |

**Requires 3 cam arms*