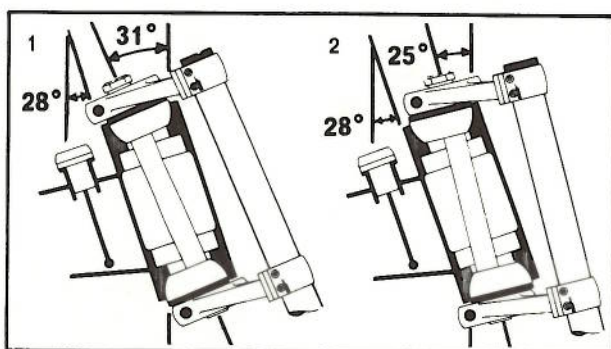


FORK ANGLE VARIATIONS

The standard fork angle on your Can-Am motorcycle is 30° this provides the optimum steering and handling for most types of riding. However the fork angle is adjustable from 25° to 31° inclusive. This provides the fork angles that may be more suitable for specific racing or competition applications.

1. An extended fork angle provides greater stability at high speeds.
2. A retracted fork angle provides more maneuverability in restricted areas or on trials sections.



The standard frame angle is 28° .

The standard fork angle is 30° .

WARNING: Incorrect fork angle may cause adverse handling conditions.

FORK ANGLE RECOMMENDATIONS

Fast road work	28° to 30°
Motocross	30° to 31°
Oval racing	25° to 28°

The following table gives a list of cones to be used to attain a given fork angle.

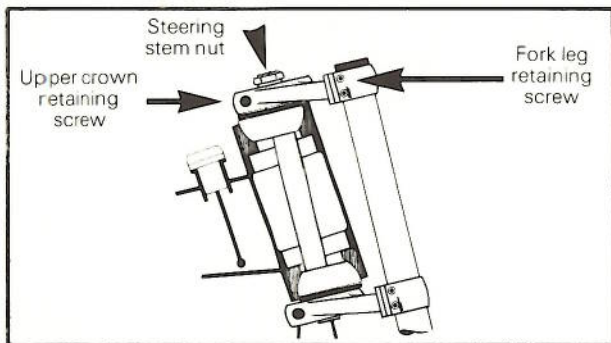
UPPER BEARING				LOWER BEARING		
FORK ANGLE	CONE KEY POSITION	CAN-AM PART NO.	CONE ANGLE	CONE KEY POSITION	CAN-AM PART NO.	CONE ANGLE
31°	FORWARD (F)	746 010 300	+1½	REARWARD (R)	746 010 300	+1½
30½°	F	746 010 300	+1½	R	746 010 200	+1
* 30°	F	746 010 200	+1	R	746 010 200	+1
29½°	F	746 010 200	+1	R	746 010 100	+1
29°	F	746 010 100	+½	R	746 010 100	+½
28½°	F	746 010 100	+½	R or F	746 010 000	0
28°	F or R	746 010 000	0	R or F	746 010 000	0
27½°	R	746 010 100	-½	F	746 010 000	0
27°	R	746 010 100	-½	F	746 010 100	-½
26½°	R	746 010 200	-1	F	746 010 100	-½
26°	R	746 010 200	-1	F	746 010 200	-1
25½°	R	746 010 300	-1½	F	746 010 200	-1
25°	R	746 010 300	-1½	F	746 010 300	-1½

FORK ANGLE ADJUSTMENT DISASSEMBLY

1. Mount the motorcycle on a stand or a box, so that the front wheel does not touch the ground.
2. Loosen the Allen screws retaining the fork legs to the upper crown.
3. Loosen the Allen screw retaining the upper crown to the steering stem.
4. Remove the front brake cable from the lever.
5. On T'NT models, disconnect the speedometer cable.
6. Remove the steering stem nut.
7. Remove handlebar and crown and let it hang by the control cables.
8. On T'NT models, remove the two side reflector nuts retaining the headlamp to the brackets. Let the headlamp hang by the wiring harness.
9. Support the fork assembly and remove steering stem split nut.
10. Remove the upper "O" ring retainer, the "O" ring, the first thrust washers, the thrust bearing then finally the second thrust washer. Place them in order on a clean rag.
11. Carefully lower the fork assembly from the frame head.

12. Remove the upper and lower cones from their cups.

◆ **WARNING:** Do not attempt to remove or turn the cups. They are pressed into the frame head and misalignment would result in the forks being positioned out of line with the frame.



CLEANING AND INSPECTION

- Clean all parts carefully with a general purpose solvent.

◆ **WARNING:** Solvent with low flash point such as gasoline, naphtha, benzol, etc, should not be used as each is flammable and explosive.

- Inspect bearing journals of the steering stem.
- Inspect "O" rings. If damaged replace.
- Inspect the thrust needle bearings and the thrust washers. If damaged, replace.
- Inspect steering cone needle bearing. If damaged, replace.

ASSEMBLY

1. Select the cones needed and determine their position as per the table.
2. Coat the round surface of both cones with a thick coat of silicone sealant.
3. Install the cones in the cups in their respective position, making sure that the cone key perfectly aligns with the cup keyway.

○ **NOTE:** A small punch mark on each cone and on the steering head will facilitate alignment.

▼ **CAUTION:** The bearings cannot be removed from cones without damage. Do not attempt to re-use a bearing that has been removed. If necessary to replace a bearing, press it into the cone using a large vise. Lubricate the bearings with lithium grease.

4. Lubricate both needle thrust bearings and the "O" rings with lithium grease. Replace fork assembly into frame head being careful not to damage or move the cups.

5. Replace the upper thrust washer, the thrust bearing, the other thrust washers, the "O" ring and the "O" ring retainer.
6. Position the steering stem locking split nut then tighten it until the steering becomes snug, but not tight.
7. Replace handlebar, crown and stem nut. Tighten the five (5) Allen screws holding the fork leg and steering stem to the upper crown.
8. Reconnect brake and speedometer cables. Re-install the headlamp.

STEERING STEM REPLACEMENT

To replace steering stem, take the steering head apart as explained above.

1. Remove the front fender from lower triple crown.
2. Loosen the Allen screws (6 mm wrench) retaining the steering stem to the lower crown.
3. Tap gently on the steering stem top portion to lower it through the triple clamp. Remove the circlip.
4. To re-install a new steering stem inverse the removal procedure.

○ **NOTE:** At assembly, lightly grease the stem and tighten adjuster nut until the steering becomes snug, but not tight.

STEERING HEAD CUP REPLACEMENT

- To replace steering head cups, remove the front fork completely.
- Remove the gas tank.
- Remove the damaged cups using a hammer and punch.

▼ **CAUTION:** Take care not to damage the frame portion of the steering head.

- Use a press to fit new cups into place. The key has to be in the center line with the frame.

