

**Primary scale + Secondary scale=Torque setting**

### General Description

Your torque screwdriver complies to ANSI standard B107.14M, Type 3, Class A, Style 1.

In operation, the drive is released as a preadjusted torque is reached. The tool automatically resets for the next application after additional rotation. Torque is controlled to within specified accuracy limits in the right hand direction at or above 20% of the maximum scale capacity.

### Setting Torque

1. Pull down the lock collar to unlock the adjusting sleeve.
2. Hold the knurled portion of the adjusting sleeve and turn handle clockwise to increase torque.
3. To obtain torques between values on the primary scale, adjust the handle until the sum of the primary scale and the secondary scale are equal to the desired value. For example. To adjust to 24 IN.OZ turn the handle past 20 until the number 4 is lined up with the center line of the primary scale (20+4).
4. When the desired value is reached release the lock ring and the spring loaded auto lock will engage and lock the mechanism in place.
6. When storing the screwdriver return the adjusting sleeve to the minimum setting.

### Applying Torque

1. Attach the proper driver bit or socket and place it onto the fastener being torqued.
2. While holding the screwdriver by the handgrip only, apply a **SLOW** and steady twisting motion to the handle until it releases and clicks.

#### Note:

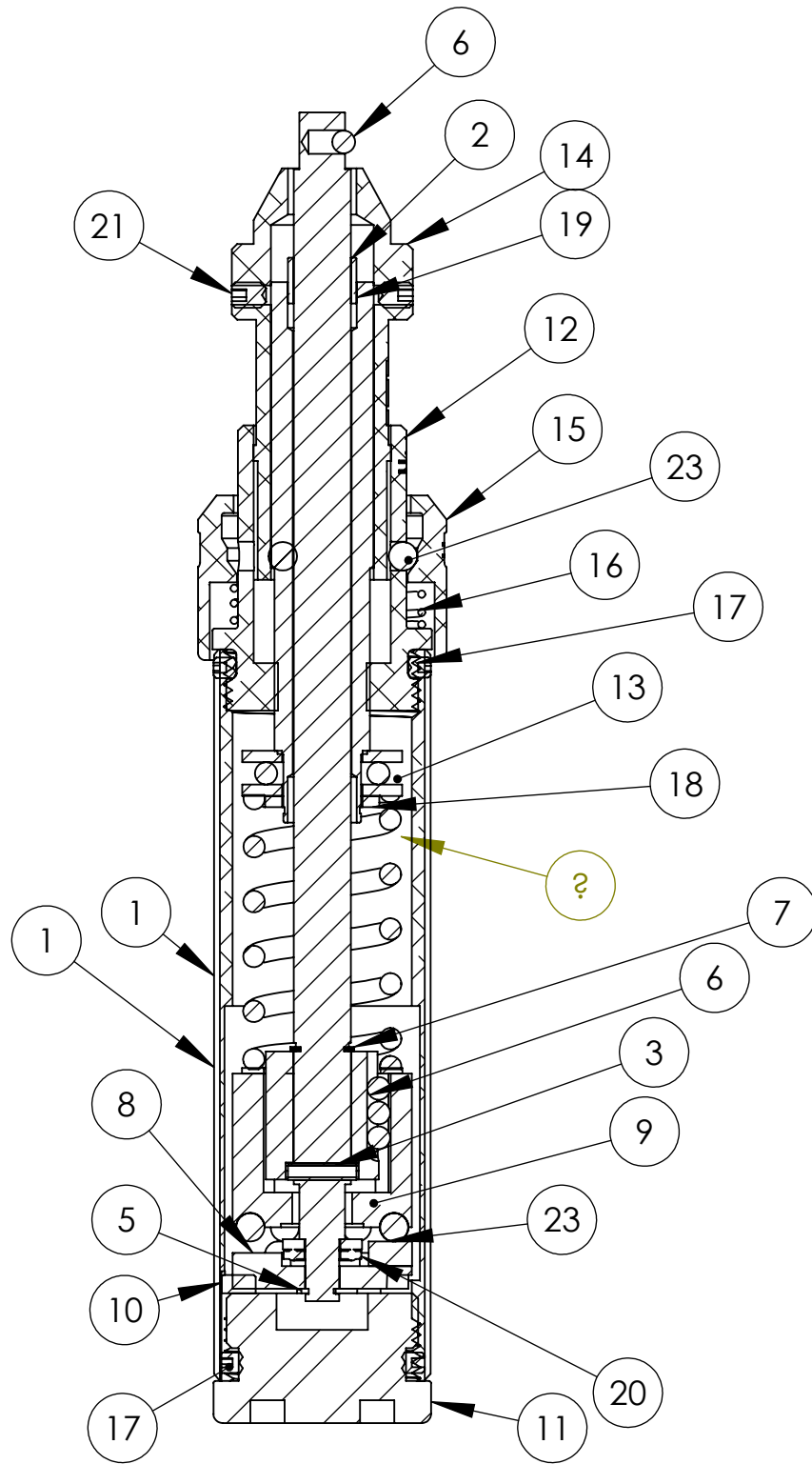
A slight amount of friction may be felt when the mechanism is rotating between clicks. This friction is normal and has no effect on the accuracy or click point of the screwdriver.

#### IMPORTANT MUST READ BEFORE USE!

**Due to Hysteresis (Hysteresis is a naturally occurring property in ALL spring materials when going from compression to tension) you should always adjust "UP" to the torque value you are adjusting to. This will result in the highest accuracy possible and compensate for naturally occurring hysteresis. For example: If you are using the screwdriver at 36 in.lb. and then want to set it and use it at 6 in.lb. you should adjust the screwdriver to BELOW 6 and then adjust back up to 6 in.lb.. This procedure will put the spring in compression when setting the new torque value.**

### Storage

To avoid placing a "set" in the torque spring always store the screwdriver below the minimum useable range of the screwdriver. For example, set the 6-36 in.lb. screwdriver below 6 when not using the screwdriver. A slight amount of tension on the spring will keep the internal mechanism in place so adjusting all the way to the stop is not recommended.



JETCO MAS-36i and MAS 100Z



## MAS 36i and 100z BOM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	85-0134-1	Handle, Red	1
2	81-5007	Shaft	1
3	81-5001	Pin, Spring 3/32 98296A833	1
4	S09010 Race	Race, Inner Screwdriver	1
5	.1875 e ring	Retaining ring	1
6	81-0202	Ball, Steel	10
7	81-5002	Retainer, Spiral 3/16"	1
8	81-1077	Stator	1
9	81-1078 Rotor	Rotor	1
10	81-5011	Lug,Ground	3
11	85-0200	Cap, Threaded	1
12	85-0135-1	Load Nut, Red, 100i	1
13	38-5000	Bearing, Thrust 61-0102,61-0103	1
14	89-0072-1	Adjusting Sleeve, Red 100i	1
15	38-0107-1	Lock Ring, RED PROTO	1
16	Spring_Lock Collar		1
17	SSCUPSKT 0.112-40x0.125-HX-N		4
18	Spacer	Spacer, Screwdriver	1
19	81-5009	Bearing,Sleeve	1
20	81-5006	Bearing,Thrust small	1
21	SSCUPSKT6_32x0.1875-HX-N		2
22	81-5015	Pin Ground	3
23	81-5012	Ball-5/32	8
24	420010	Spacer, Spring	1
25	811063	Spring, 36 in.lb.	1
26	85-5016	Load Screw	1

Warranty: 1 year limited warranty. Please read complete warranty at [www.itorque.com](http://www.itorque.com).

Safety: Always wear safety glasses when using torque products.

Storage: Always set screwdriver to the lowest marked torque setting when not in use.  
 JETCO [www.itorque.com](http://www.itorque.com) 835 Meridian St. Irwindale, Ca 91010