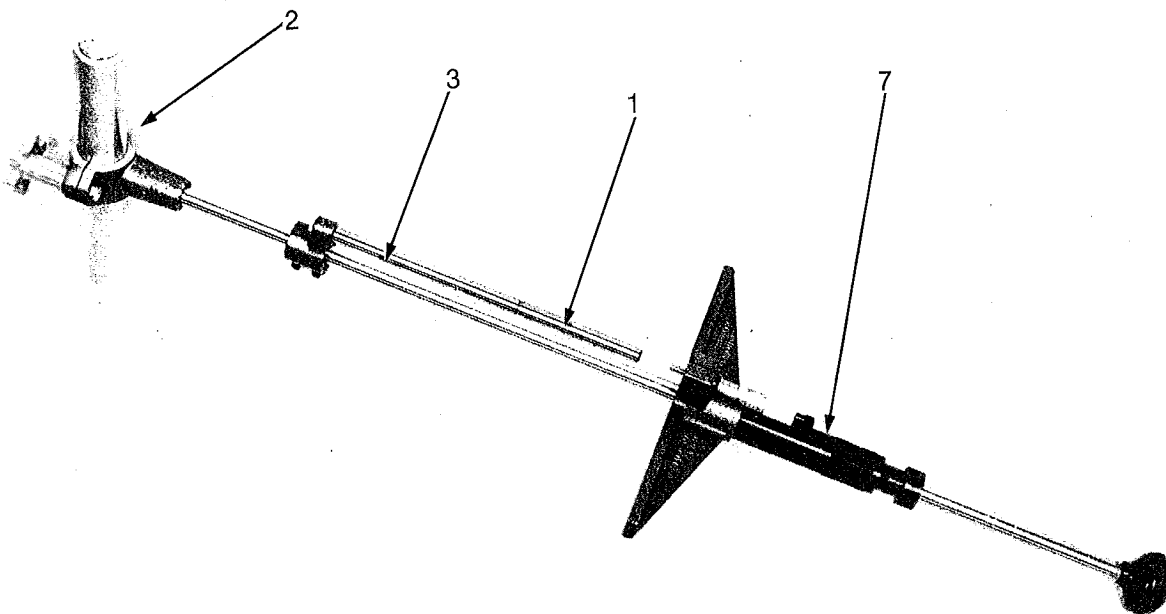


Instructions for use of PT-5075-B DECK CHECKER

READ CAREFULLY BEFORE USING



PT-5075-B Deck Checker

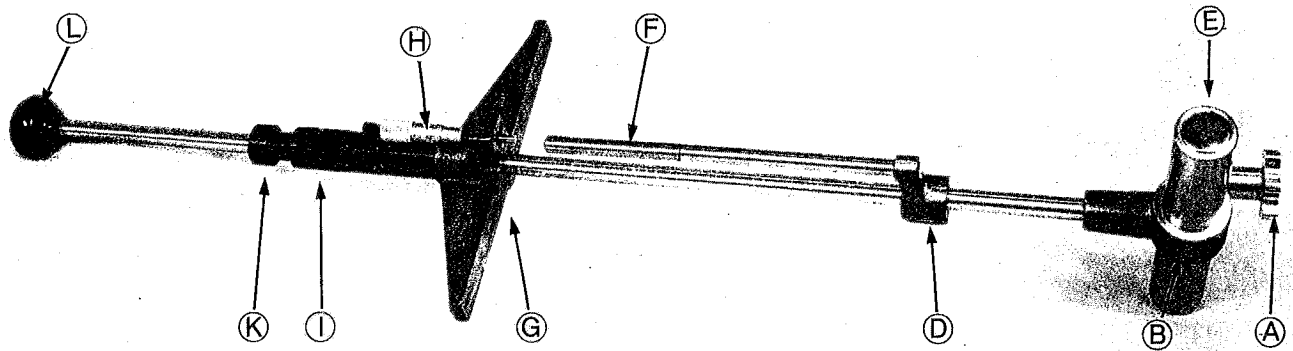
DET #	PART #	PART DESCRIPTION	DET #	PART #	PART DESCRIPTION
1	PT-5070-012	Harden Tip Standard (1")	7	PT-5070-212	Basic Unit
	PT-5070-013	Harden Tip Standard (2")	*8	PT-16005	Hex Key - Short Arm (Parallel Plate, Standard Stop)
	PT-5070-014	Harden Tip Standard (3")	*9	PT-16008	Hex Key - Short Arm (Parallel Plate)
	PT-5070-015	Harden Tip Standard (4")	*10	PT-16009	Hex Key - Short Arm (Shaft Collar, Parallel Plate)
	PT-5070-016	Harden Tip Standard (5")			
	PT-5070-017	Harden Tip Standard (6")			
2	PT-5070-027	Lower Bar			
3	PT-5070-028	Standard Extension Assembly			
*4	PT-5070-029	Standard Wrench Assembly			
*5	PT-5070-036	Steel Box Assembly			
*6	PT-5070-045	Setting Standard			

*ITEM Not Pictured

PREPARATIONS

The Deck Checker is a precision instrument specifically designed to determine block deck heights ranging from 8" to 24". Before installing this tool, inspect saddles and upper deck contact surfaces to make sure they are clean and free of burrs. File and deburr where necessary, giving particular attention to stud hole areas.

To ensure accurate, repeatable readings it is important this tool be used in the vertical or upright position. Attempts to use this tool at angles other than the vertical position could cause the Lower Bar to move from the centerline, resulting in incorrect readings.



STEP-BY-STEP PROCEDURE

1. Check the micrometer - (H) Place a flat ground block against the bottom of the parallel plate (G). The micrometer should read zero.
2. Check the standard stop (D) - Insert Lower Bar (E) in lower clamp (B) and tighten. Use rod marked STD to check distance between bar and ground bottom surface of the standard stop.
3. Determine the manufacturer's specification for block height, then refer to Chart I and select the Standard (F) closest to, but less than this height. Install Standard on standard stop (D).
4. Back off the micrometer (H) and loosen the adjusting collar (I).
5. Lower the tool into the cylinder bore where the deck height is to be measured.
6. Install the Lower Bar (E) in the lower clamp - (B) to equally contact two adjacent saddles.
7. Tighten the lower knob (A) securely and lift the tool so the Lower Bar firmly contacts the adjacent saddles.
8. Maintaining Lower Bar contact, loosen lock nut (K) and slide the parallel plate (G) down to contact the block deck then retighten lock nut securely.
9. Hold knob (L) and gently move the tool back and forth while turning adjusting collar (I) clockwise until all slack is removed; tighten collar (I) finger tight only. Adjust micrometer (H) until it touches the measuring Standard. Read the micrometer. Make a record of this reading.
10. Add the micrometer reading to the known length selected from Chart I, and you have the exact dimension. This is an accurate measure of height from an installed alignment bar. To determine measure of height from main bearing centerline, add 1/2 of main bearing bore inside diameter.

Chart I

TO MEASURE	USE STANDARD MARKED
8"	1"
9"	2"
10"	3"
11"	4"
12"	5"
13"	6"
14"	1" + 6" Ext
15"	2" + 6" Ext
16"	3" + 6" Ext
17"	4" + 6" Ext
18"	5" + 6" Ext
19"	6" + 6" Ext
20"	1" + Two 6" Ext
21"	2" + Two 6" Ext
22"	3" + Two 6" Ext
23"	4" + Two 6" Ext
24"	5" + Two 6" Ext



KENT-MOORE

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