

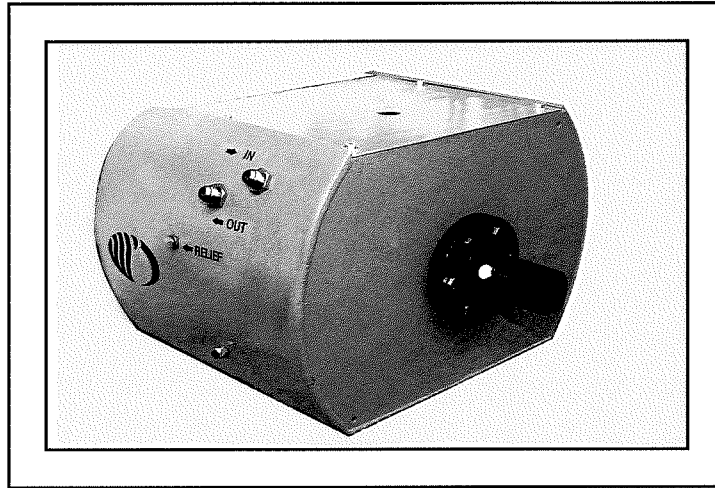


مشاريع الشيراوي
AL-SHIRAWI enterprises
LLC

**ROTARY DRILL HEAD
KENN - GER 40**

PARTS MANUAL

HYDRAULIC ROTARY DRILL HEAD - KENN - GER 40



SPECIFICATIONS:-

MODEL	KENN - GER 40	
HYDRAULIC MOTORS	ONE	
MAX.DIAMETERS	300MM	
MAX.OPERATING PRESSURE	205	
MAX.OIL FLOW	80 LPM	
MAX.TORQUE	2000 NM	
HEXAGON DRIVE	41MM	

MAINTENANCE:-

PLACE : KENN - GER 40 ST IN HORIZONTAL POSITION	
DAILY	(1) Grease Bearing Area
AS REQUIRED TYPE :	(2) Grease pivot Arms 3 points
	(3) Adjust & Lubricate Roller - Chain
LUBRICATE TYPE :	GREASE
HYDRAULIC OIL :	BP HLP 150 Or Equivalent

KENN - GER 40 Pendant Drill Heads

Hydraulic duplex chain reduction auger attachment, fits to Skid steer, Backhoe — Loaders, Excavators, Truck mounted cranes and others via two links and two hoses.

Drills vertical holes 100 zz 1500 mm diameters any ground conditions, using different types of augers fitted with standard or heavy duty tungsten carbide rock head, and Down the Hole (DTH) percussion hammers for rock drilling.

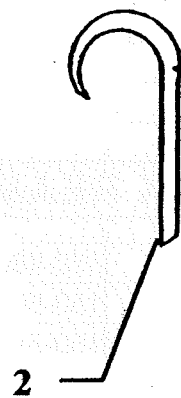
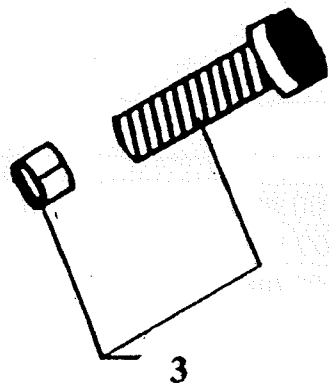
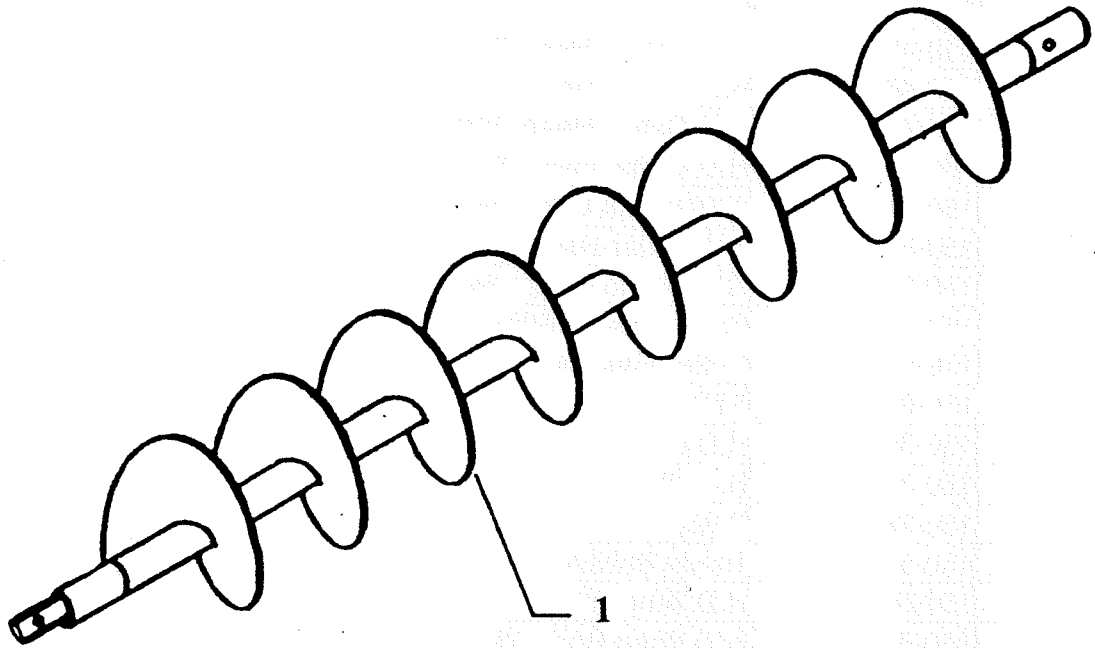
KENN - GER 40 is twenty four hour per day production machines of robust, heavy duty construction that will outperform competitive machines in their class.

KENN - GER 40 can drill 30 meter depth in 6" diameter of drilling hole.

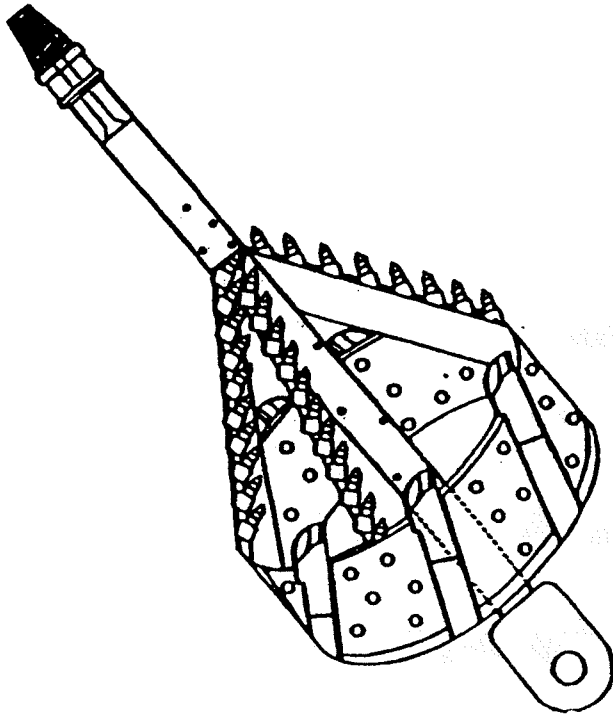
METHOD OF FIXING DRILL HEAD ON THE MACHINE

- **Hydraulic line from the bucket cylinder is used to operate the Drill.**
- **Maximum pressure required for the hydraulic motor is 2500 PSI.**
- **Approximate weight for the Drill head is 350 KG.**
- **Weight for 6" Auger is 30KG.**
- **Hydraulic connection.....**
- **2 Nos 310 Bar/3m length /58/ hose. 16mm ID for the in and out hose.**
- **1 No 310 Bar/ 14 m length 38/ hose .10mm ID for the pressure relief line hose.**
- **38/ hose is using to release the excessive pressure from the hydraulic motor.**
- **Drill head should mount on Dipper arm.**
- **Control lever for the bucket cylinder will operate the Drill head.**
- **Hanging plate bore should be 1mm more than bucket pin diameter.**
- **In the Square Bar hole centre will be 70mm more than boom width.**

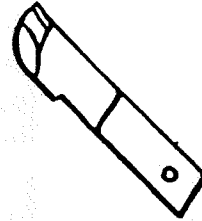
AUGER



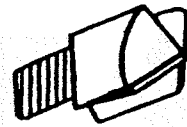
CUTTER HEAD



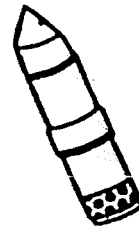
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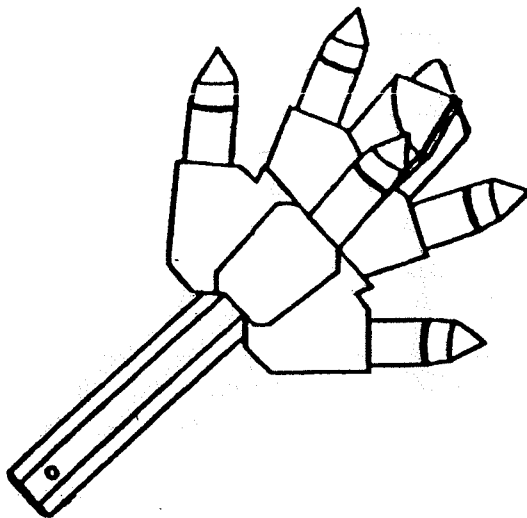
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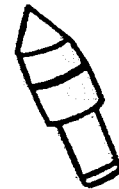
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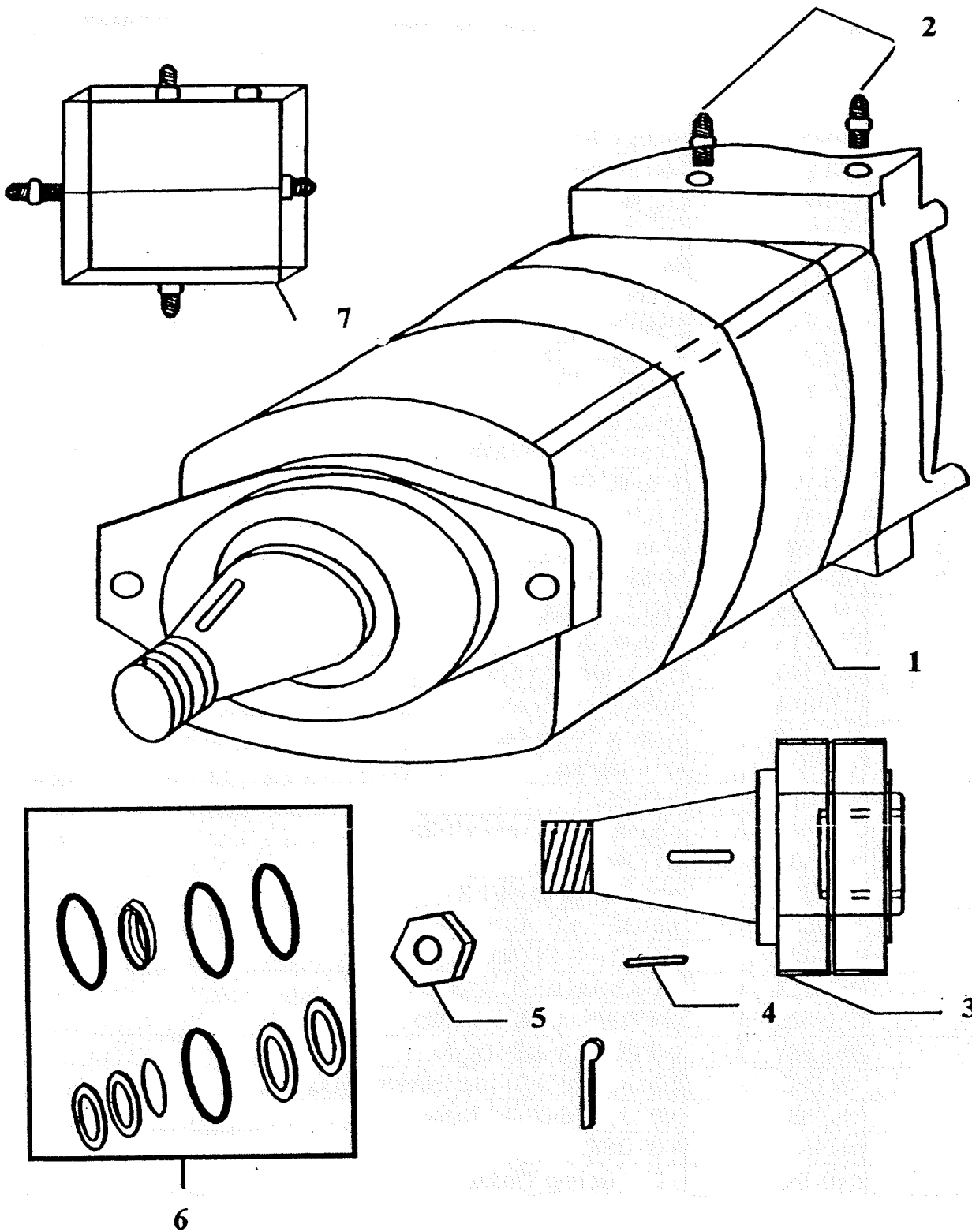


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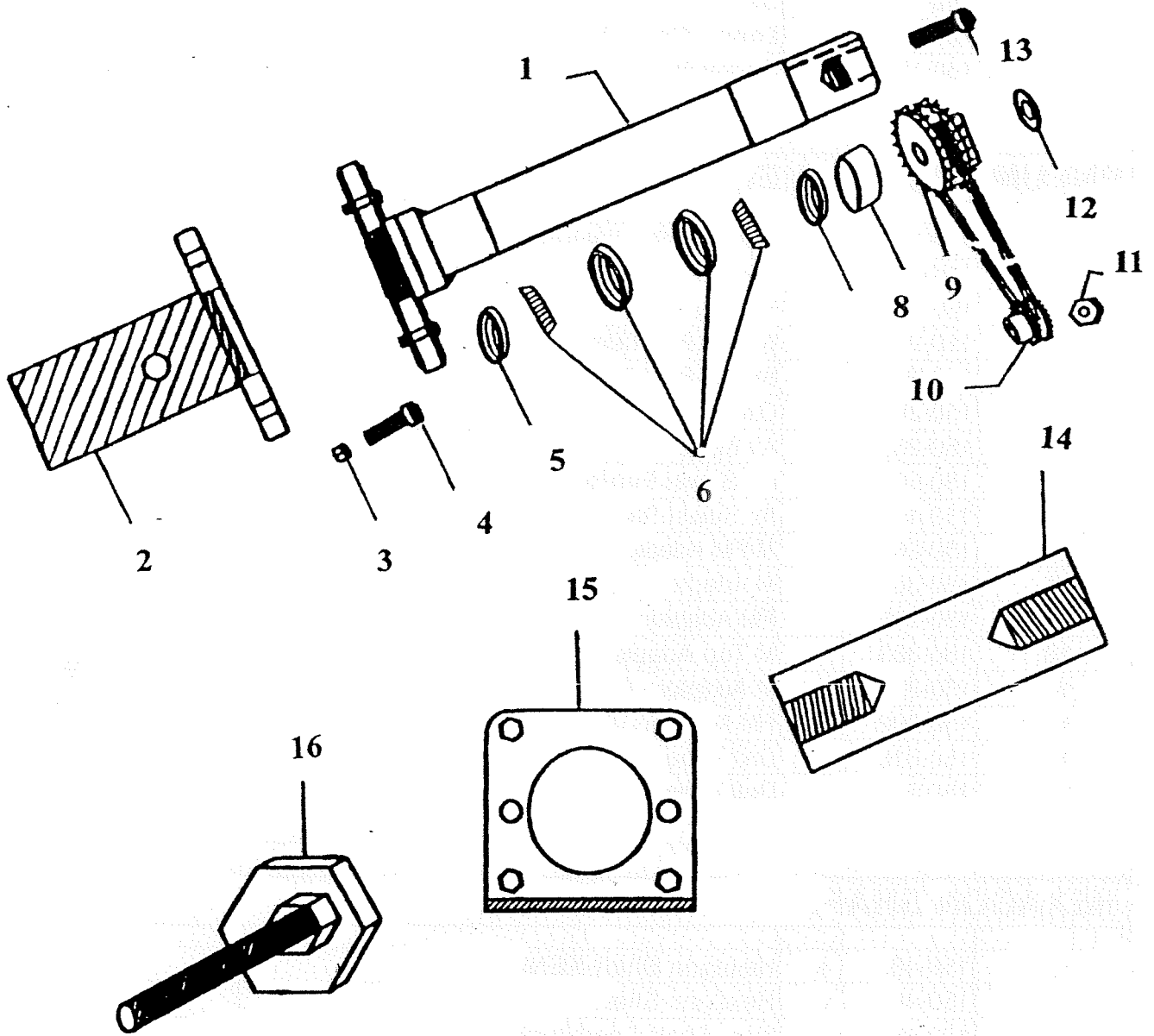


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HYDRAULIC MOTOR



MAIN SHAFT & DRIVE



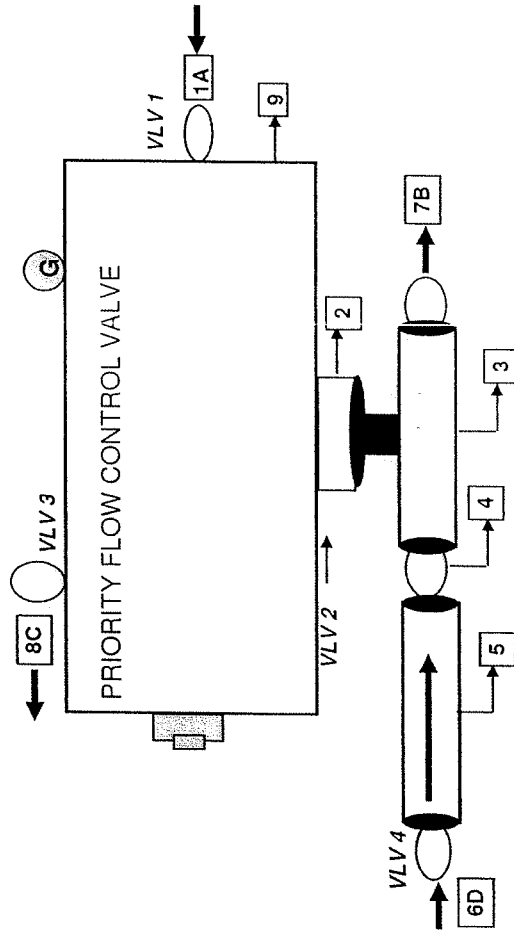
- (1A) IN LINE FROM MACHINE
- (7B) OUT LINE TO MACHINE
- (8C) IN LINE TO HYDRAULIC MOTOR
- (6D) OUT LINE FROM HYDRAULIC MOTOR

VALVE ASSEMBLING DRAWING

To rotate the drill both sides

- 1 Remove 2 hoses from inside body fittings.
- 2 Remove VL V 3 hose from valve & fit to body.
- 3 Remove VL V 4 hose from valve & fit to body.
- 4 VLV 2 & VLV 1 Keep as it is
Now oil flow will not enter to control valve

VALVE ASSEMBLING DRAWING



PART NO

- 1A 150-528 1"BSP-4/3 JIC Nipple
- 150 2-529 1"BSP-4/3 BSP Nipple
- 150 3-537 4/3" BSP - T
- 150 4-530 4/3"BSP-4/3"NPT Nipple
- 5 150.163 Non Return Valve
- 6D 150.531 4/3"NPT4/3"JIC Nipple
- 7B 150-527 4/3"BSP-4/3"JICNipple
- 8C 150-527 4/3"BSP-4/3"JICNipple
- 150 9-213 Priority Flow Contro; Valve