MOTORCYCLE PARTS NEWS

NUMBER 353

PAGE 1 of 3

YAMAHA INTERNATIONAL CORPORATION
BUENA PARK, CALIFORNIA 90620

DATE 12/28/72

TX750 SPECIAL TOOL KIT, and Miscellaneous Special Tools

Please add the following information to your 1972 Special Tools Catalog:

ITEM	PART NUMBER	DESCRIPTION	QUANT.	PRICE	DISC.	REMARKS
	908-90097-50-73	KIT, TX750 SPECIAL TOOLS	1	$26.70	N	
#1*	908-90010-80-00	.PULLER, Rotor	1	0.80	N	
#2*	908-90010-82-00	.SLIDER, Piston Ring	2	3.10	N	Price Each
#3*	908-90010-81-00	.BREAKER, Chain, Set	1	21.00	N	for rivetted chains
#4-1	908-90010-84-00	PULLER WEIGHT, Rocker Arm Shaft	1	1.65	N	
#4-2	908-90010-83-00	PULLER, Rocker Arm Shaft	1	0.96	N	
#4-3	908-90010-85-00	PULLER, Balancer Shaft	1	1.03	N	
#5	908-90011-03-00	ATTACHMENT, Governor Testing	1	3.90	N	
#6	908-90010-95-00	COMPRESSOR, Valve Spring	1	16.00	N	
#7-1	908-90010-89-00	SOCKET, Hexagonal, 5mm	1	2.29	N	3/8" drive
#7-2	908-90010-90-00	SOCKET, Hexagonal, 6mm	1	2.29	N	3/8" drive
#7-3	908-90010-91-00	SOCKET, Hexagonal, 8mm	1	2.29	N	3/8" drive
#8	908-90011-05-00	TOOL, Pump Shaft Cover Installing	1	1.67	N	

*NOTE: Items 1~3 only included in kit. ALL items, 1~8, may be ordered individually.

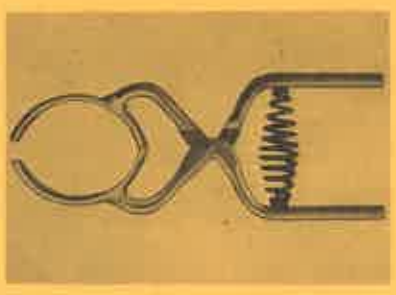




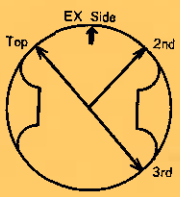
Part No.
90890-01080

1. ROTOR PULLER - Install the rotor puller as illustrated, and tighten with a socket wrench or a box wrench while the piston is on the compression stroke.

2. PISTON RING SLIDER - When the piston is inserted into the cylinder, set the piston slider over the piston rings. Make sure the piston ring ends are tightly forced into their grooves. Hold the piston with the piston base, and place the cylinder over the piston.
*The same piston base is usable for all XS/TX series models. (908-90010-67-00)



Part No. 90890-01082



Ring End Positions

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3. DRIVE CHAIN TOOL - (1) Separating the chain joint. Set the tool on the chain as illustrated in Fig. A, and tighten the bolt by turning the handle. The chain will be disconnected at the joint.
(2) Press-fitting the chain joint. Set the tool as illustrated in Fig. B, and screw in the bolt by turning the handle.



Part Set No.
90890-01081



Fig. A

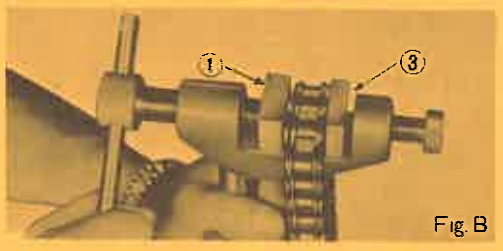
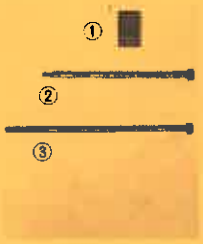
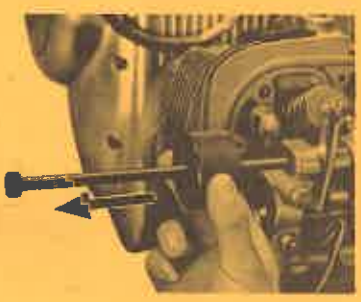


Fig. B

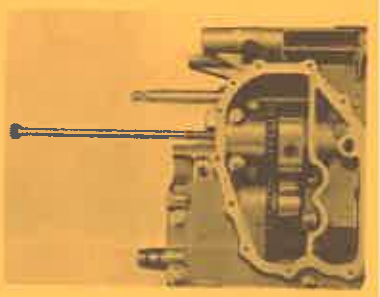
4. ROCKER ARM SHAFT PULLING BOLT AND WEIGHT - Insert the rocker arm shaft pulling bolt into the weight, and install it on the end of the rocker arm shaft as illustrated. Then remove the rocker arm shaft by giving impact to the bolt with the weight.
*During this operation, be sure to set the camshaft at T.D.C. on the compression stroke.
Follow same procedure for Balancer Shaft.



Part No.
① 90890-01084
② 90890-01083
③ 90890-01085

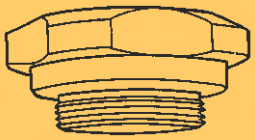


Rocker Shaft Pulling Bolt



Balancer Shaft Pulling Bolt

5. GOVERNOR TESTING ATTACHMENT - First, remove the crankcase cover 1 (L), and then generator cover 2 from the ignition timing checking window. In turn, fit the governor checking attachment on the window. Next start the engine and check the advancement of the governor or ignition timing using a timing light.



Part No. 90890-01103



Governor checking attachment

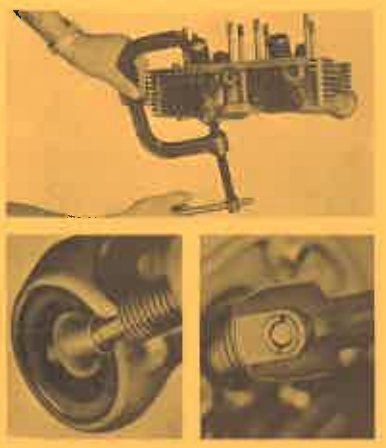
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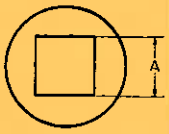
6. VALVE SPRING COMPRESSION TOOL - Set the valve spring compressor on a valve in the cylinder head, then tighten the bolt by turning the handle and remove the valve spring retainer lock and spring.
*Make sure the valve spring compressor is correctly set on the center of the valve and the valve spring retainer.





Part No.
90890-01095

7. HEXAGONAL SOCKETS - These hexagonal sockets are used to tighten hexagon socket head bolts for which tightening torque is specified. (3/8" drive)







A = 3/8 in.

Part No.
(1) 90890-01089
(2) 90890-01090
(3) 90890-01091

8. OIL PUMP COVER INSTALLING TOOL - This tool must be used to install the pump cover into its housing. It guides the pump shaft seal lips over the shoulder on the shaft, keeping them from becoming rolled under. Install the seal in the cover, Teflon lip facing in towards the engine. Place the tool over the pump shaft, against the shaft shoulder. Lubricate the seal lips, and install the cover using the tool as a guide.



908-90011-05-00



PLEASE BRING YOUR SPECIAL TOOLS CATALOG UP-TO-DATE!

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