TX750 (2) BALANCER INSTALLATION

1) Place chain around balancer drive sprocket on crankshaft.
Note:
Install the cam chain at the same time of installing the crankshaft with balancer chain set in the crankcase lower.

2) Thread the chain through the lower crankcase, and tie it to the crankcase with a wire. Then put together the upper and lower crankcases, and tighten the nuts.
The nuts should be tightened in steps and in numerical order indicated on the crankcase.
Tightening torque:
M8 2.0—2.2 kg-m (180—200 in-lbs)
M10 3.7—4.0 kg-m (330—360 in-lbs)

3) Rotate crankshaft until pistons are at T.D.C.
Place balancer #2 (small balancer) in chain at the same time aligning the mark on sprocket with mark on case. Keep bottom row of chain taut. (See Fig. 1 and 2)

4) Place washers on both sides of the weight and insert the balancer shaft into the case and through the balancer shaft hole.

5) Make sure the balancer hole is aligned with the balancer shaft hole, and insert the pinch bolt into the holes to lock them together.
Tightening torque: 3.7—4.0 kg-m (330—360 in-lbs)
CAUTION
Before tightening the pinch bolt, coat it with "LOCKTITE„ and tighen with correct torque.
Note:
* Balancer shafts 1 and 2 are retained with roller bearings. Therefore make sure that the shafts come in smoothly before assembling the balancer.
* In assembling the balancer weight, apply grease on it so that the washers on both sides do not come off. Then go on to assemble the balancer weight.

Fig 1. Crankcase lower side view

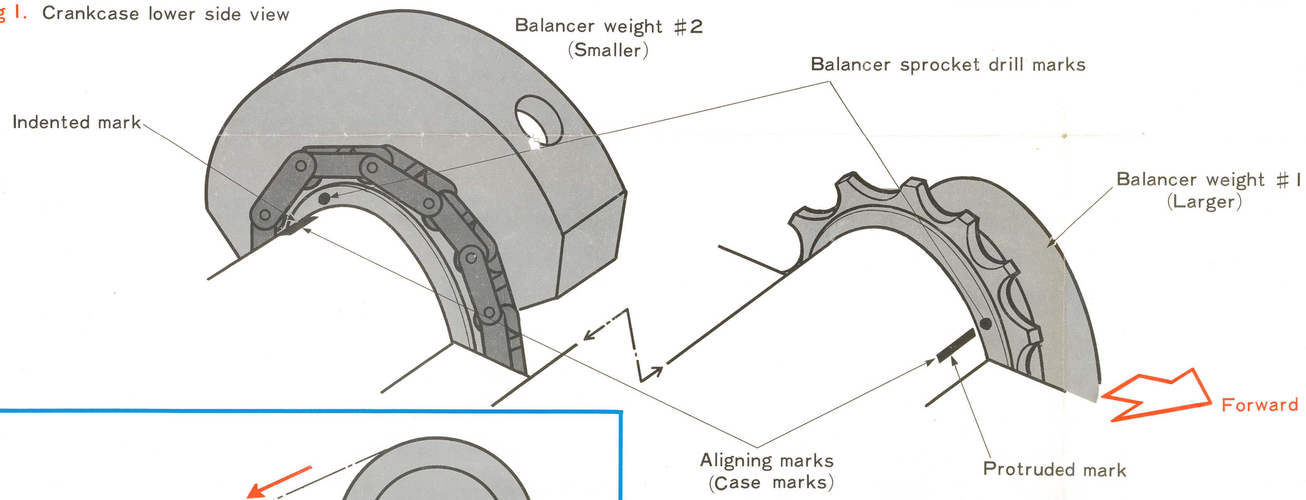


Fig 2.

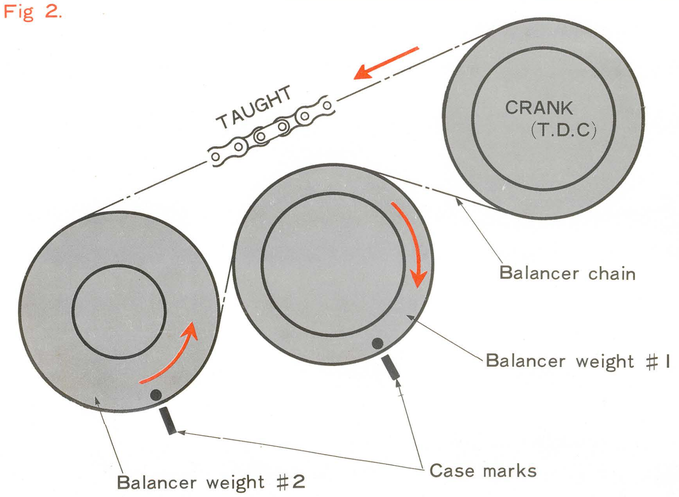
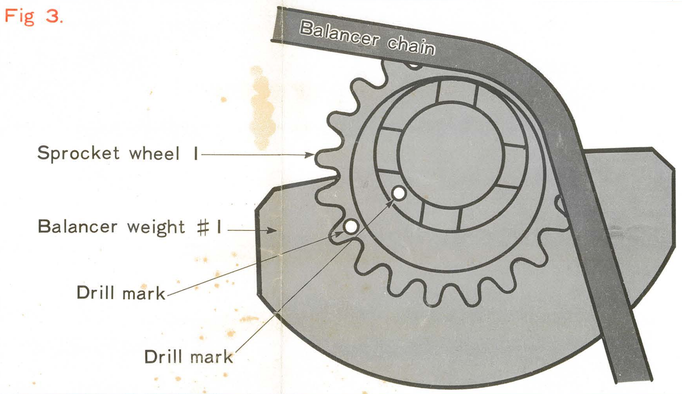


Fig 3.



6) Install sprocket wheel 1 and balancer weight 1 with the dowel pins and springs. Align the drill marks on these two parts. (See Fig 3.)

7) Align mark on balancer #1 (large balancer) sprocket teeth with mark on case. Place washers on both sides of the weight and insert the balancer shaft in the case and through the balancer.
Note:
To insure correct balancer sprocket alignment, the balancer washers must be installed in their original positions.

8) Make sure the balancer hole is aligned with the balancer shaft hole, and insert the pinch bolt into the holes to lock it.
Tightening torque: 3.7—4.0 kg-m (330—360 in-lbs)

9) After installing the balancers, check to see that they don't contact each other by turning the crankshaft at least four revolutions.
Be sure to oil the chain and shafts.