

14, 15, 18 AND 20 SERIES CRAWLER TRACTOR STEERING CLUTCH SERVICE CHART

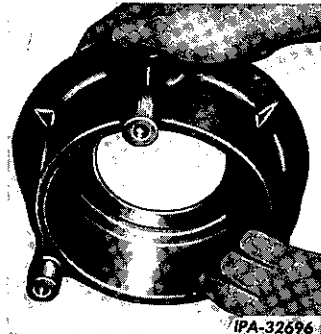
OIL SEAL



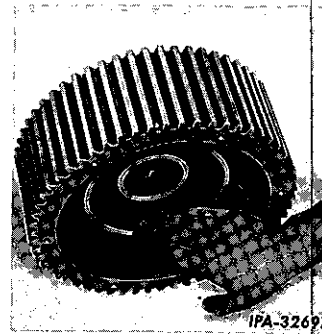
Inspect the oil seal in the bearing cap and, if the seal is mutilated or oil has been leaking into the clutch compartment, replace with an oil-soaked seal placed so that the lips of the seal face toward the coupling. The coupling can be used to drive in the seal. Inspect the oil seal in the upper release bearing cage and replace if necessary, with the lip facing toward the bearing.

STEERING CLUTCH HUB AND DRUM

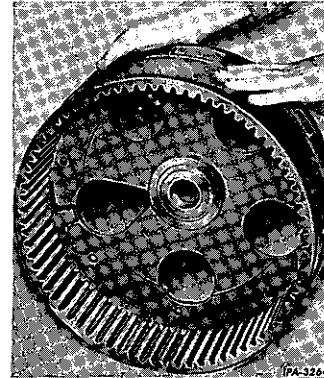
Replace deeply scored drum. Scored drum can be turned down in lathe not to exceed 0.015 in. Inspect teeth in drum and hub for excessive wear. Remove small burrs with stone. Outside of hub and inside of spring retainer must be smooth.



SPRING RETAINER

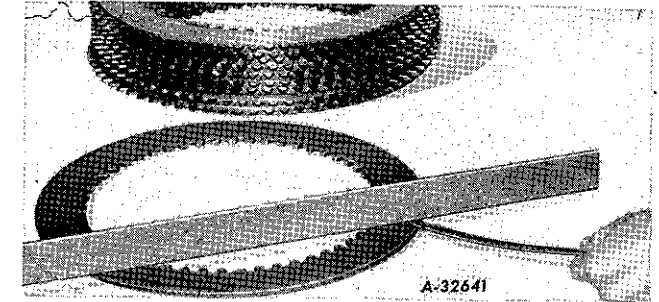


CLUTCH HUB



CLUTCH DRUM

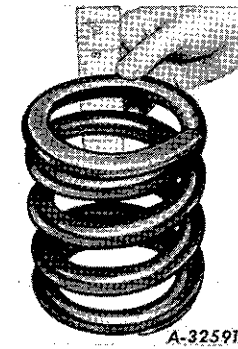
CLUTCH DISCS



Inspect all discs for excessive wear, grooving, damaged teeth or warping. Discs warped .005 in. or more should be replaced.

	14 and 15 Series	18 and 20 Series
Number of friction discs:		
Fiber.....	13	18
Sintered bronze.....	12	16
Number of driving discs:		
Steel (.087-.099 in. thick).....	12	17
Steel (.120-.130 in. thick).....	11	15

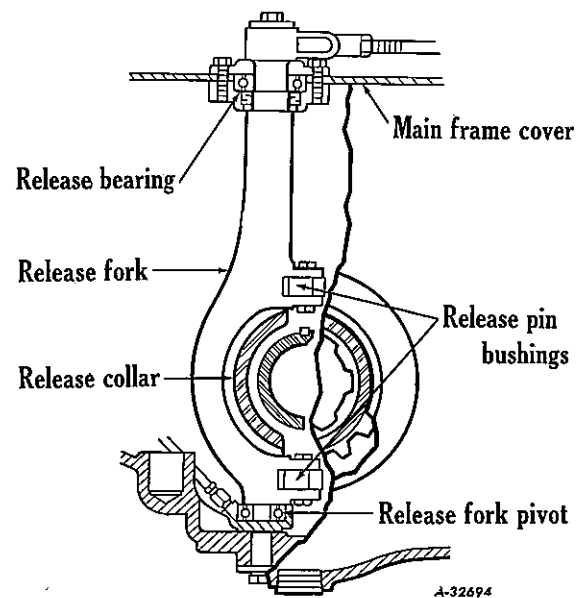
PRESSURE SPRING



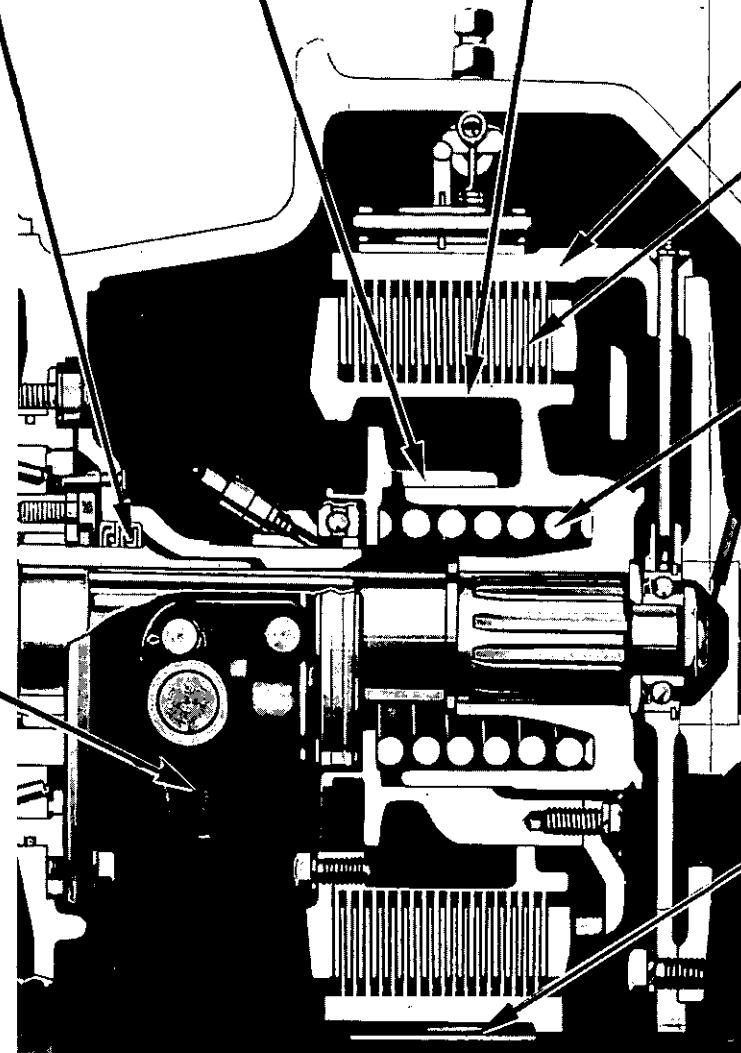
Inspect for cracks, breaks or improper length

Free length, approximate	(14-14A)	6-9/16 ± 1/8 in.
	(141-142, 150-151)	7-1/4 in.
	(18-18A)	8-1/16 in.
	(181-182, 200-201)	8-9/64 in.
Test length at 2250 lb.	(14-14A)	4-5/16 in.
(-5+15%) 2745 lb.	(141-142, 150-151)	4-5/16 in.
(-5+15%) 2575 lb.	(18-18A)	5 in.
(-5+15%) 3775 lb.	(181-182, 200-201)	5 in.

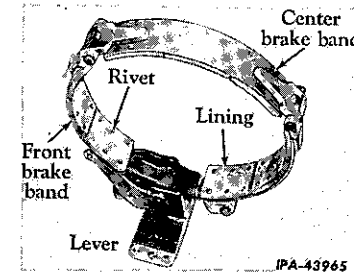
RELEASE FORK



Inspect release bearing, release pin bushings, pivot bearing, and release thrust bearing for wear. When replacing, adjust pivot for equal space above and below release collar pin bushings. Fork should turn freely before and after tightening cap screws on release bearing in main frame cover. Clutch lever free movement, 4 in.



BRAKE BAND



Inspect the brake lining and if found to be oil soaked or worn to the rivets, replace the lining.

	14 and 15 Series	18 and 20 Series	
Width of lining.....	3 in.	4 in.	
Thickness of lining:			
Not floating pivot type.....	1/4 in.	1/4 in.	
Floating pivot type.....	3/8 in.	3/8 in.	
Brake lining to drum clearance.....	1/64 in.	1/64 in.	
Brake pedal free movement.....	3 in.	3 in.	
	Free length	Test length	
Springs (not floating pivot type)		Test load	
Brake band release.....	4-5/8 in.	2-1/2 in.	18 to 22 lb.
Anchor.....	2-1/16 in.	1-1/2 in.	18 to 22 lb.
Brake rod return.....	10-5/16 in.	14-3/16 in.	53 to 65 lb.
Springs (floating pivot type)			
Brake band release.....	4-57/64 in.	3-1/2 in.	40 lb.
Anchor.....	3-1/4 in.	2-1/2 in.	35 lb.
Brake rod return.....	6-1/4 in.	7-3/4 in.	92-1/4 to 112-3/4 lb.
Brake locking pawl.....	3-11/32 in.	3-3/4 in.	31-1/2 to 35 lb.