MODEL 28 ASR

K-K:T-T SWITCHING

THE K-K:T-T SWITCHING ALLOWS THE MECHANICAL SELECTION OF VARIOUS ASR SET COMPONENTS.

THE "K" POSITION ALLOWS ONLY THE KEYBOARD SIGNAL GENERATOR TO OPERATE.

THE "K:T" POSITION ALLOWS THE KEYBOARD SIGNAL GENERATOR AND TAPE PUNCH MECHANISM TO OPERATE.

THE "T" POSITION ALLOWS ONLY THE TAPE PUNCH MECHANISM TO OPERATE.

THIS MATERIAL IS TO BE USED IN CONJUNCTION WITH THE MODEL 28 ASR COURSE. IT WILL HELP THE STUDENT TO IDENTIFY THE PARTS INVOLVED AND ALSO HELP HIM TO UNDERSTAND THE THEORY OF OPERATION.

1.	- K -	- K · T -	- T -
CLUTCHES	ONLY THE SIGNAL GENERATOR CLUTCH WILL ENGAGE.	THE SIGNAL GENERATOR AND FUNCTION CLUTCHES WILL ENGAGE.	ONLY THE FUNCTION CLUTCH WILL ENGAGE.
BLOCKING BAIL AND BLOCKING LEVER	THE BLOCKING BAIL AND BLOCKING LEVER ARE CAMMED TO THE LEFT, BLOCKING THE CODE BAR EXTENSIONS AND COUNTER CODE BARS.	THE BLOCKING BAIL AND LEVER REMAIN TO THE RIGHT IN THEIR UNOPERATED POSITION HAVING NO EFFECT ON THE OPERATION OF THE CODE BAR EXTENSIONS OR COUNTER CODE BARS.	THE SAME AS IN THE K · T POSITION.

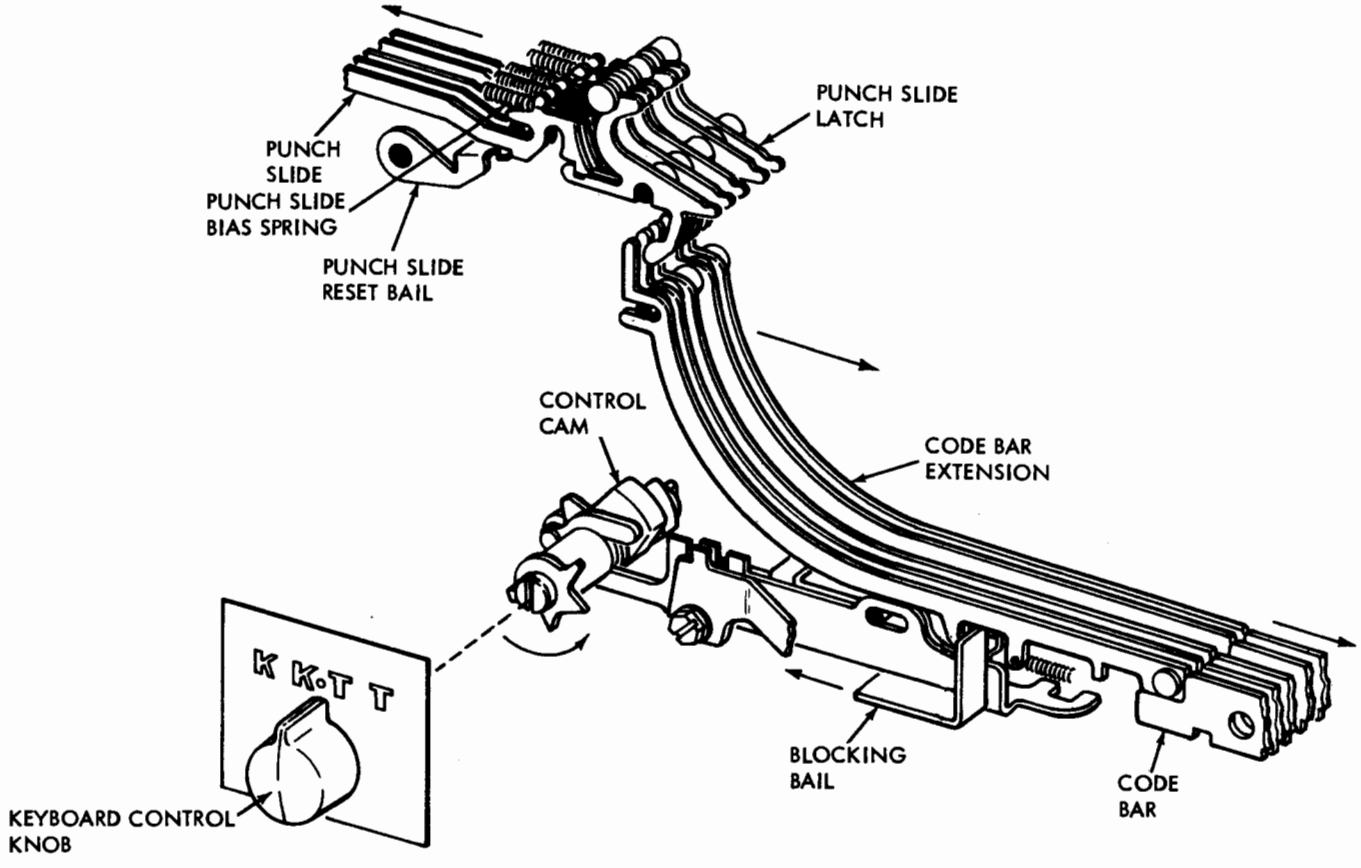
FIG.-A

2.	- K -	- K • T -	- T -
BELLCRANK AND LATCH FIG.-B	THE BLOCKING BAIL EXTENSION IS CAMMED TO THE LEFT MOVING THE BELL-CRANK CLOCKWISE. THE BELLCRANK MOVES THE LATCH DOWNWARD AND THE CLUTCH TRIP BAR AND CLUTCH TRIP BAR LINK ARE NOT CONNECTED. THE FUNCTION CLUTCH CANNOT BE ENGAGED.	THE BLOCKING BAIL EXTENSION REMAINS TO THE RIGHT IN ITS UNOPERATED POSITION. IT HAS NO EFFECT ON THE LATCH. THE CLUTCH TRIP BAR AND CLUTCH TRIP BAR LINK ARE CONNECTED BY THE LATCH. THE FUNCTION CLUTCH CAN BE ENGAGED.	THE SAME AS IN THE K • T POSITION.

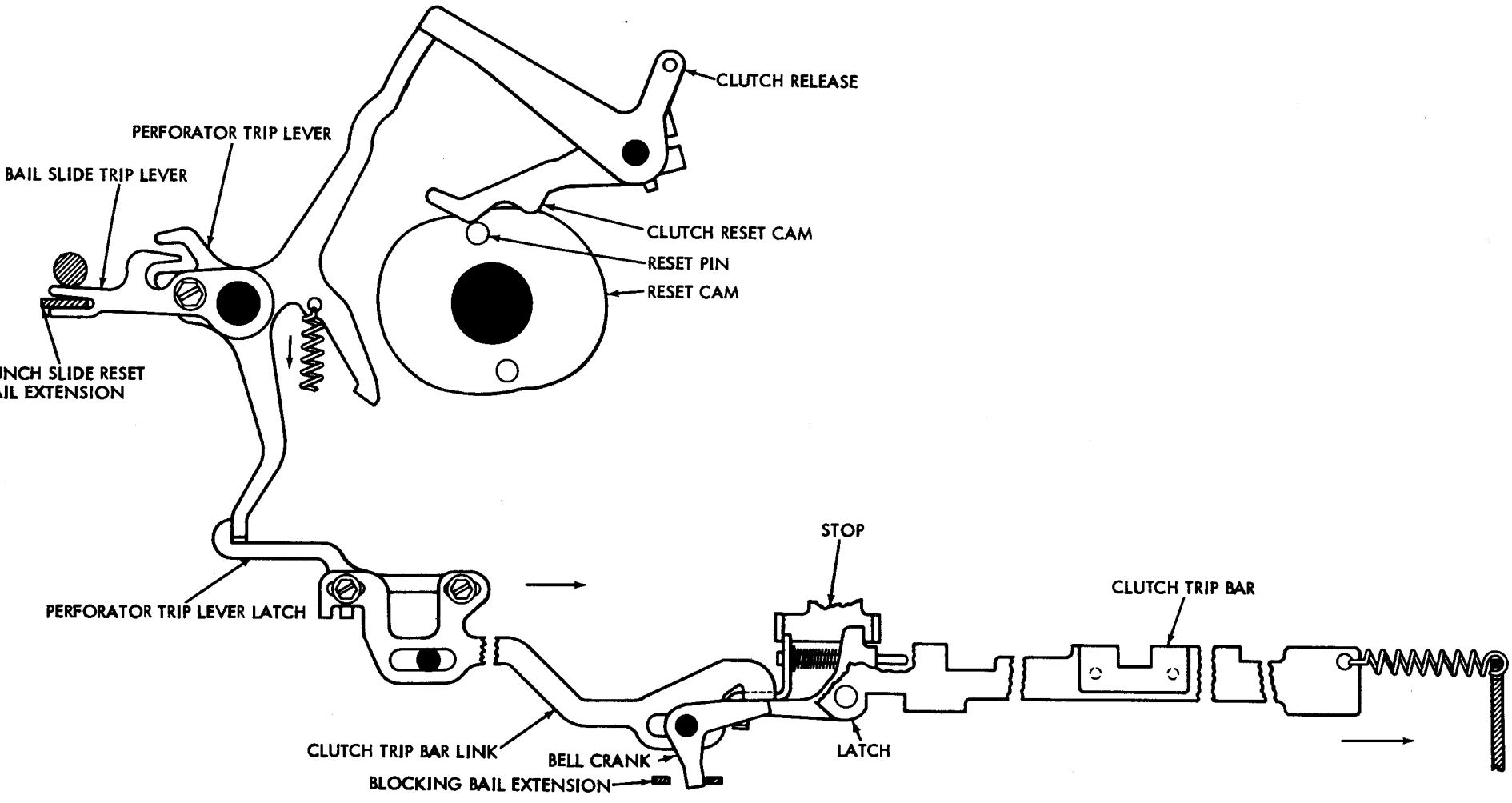
3	- K -	- K • T -	- T -
RESETTING THE CODE BARS	THE SIGNAL GENERATOR CLUTCH ROTATES AND MOVES AN ECCENTRIC FOLLOWER WHICH PULLS THE CODE BAR BAIL TO ITS RESET POSITION RESETTING THE CODE BARS.	THE SAME AS IN THE - K - POSITION.	THE CONTROL CAM ALLOWS THE LEFT END OF THE RESET CAM FOLLOWER TO MOVE DOWN. THE RIGHT END MOVES UP MOVING THE LEFT END OF THE KBD CONTROL SELECTION LEVER UP. THIS ALLOWS THE KBD CONTROL SELECTION LEVER TO BE ENGAGED BY THE RESET LEVER. THE RIGHT END OF THE KBD SELECTION LEVER MOVES DOWN AND THE SIGNAL GENERATOR CLUTCH CANNOT BE ENGAGED. WHEN THE FUNCTION CLUTCH IS ENGAGED THE RESET CAM ROTATES MOVING THE ROLLER AND RESET CAM FOLLOWER ARM TO THE RIGHT. THIS CAUSES THE RESET LEVER TO MOVE TO THE LEFT. THE RESET LEVER PULLS THE KBD CONTROL SELECTION LEVER AND CLUTCH TRIP BAR TO THE LEFT. THE CLUTCH TRIP BAR PULLS THE CODE BAR BAIL AND CODE BARS TO THEIR RESET POSITION.

FIG.-C

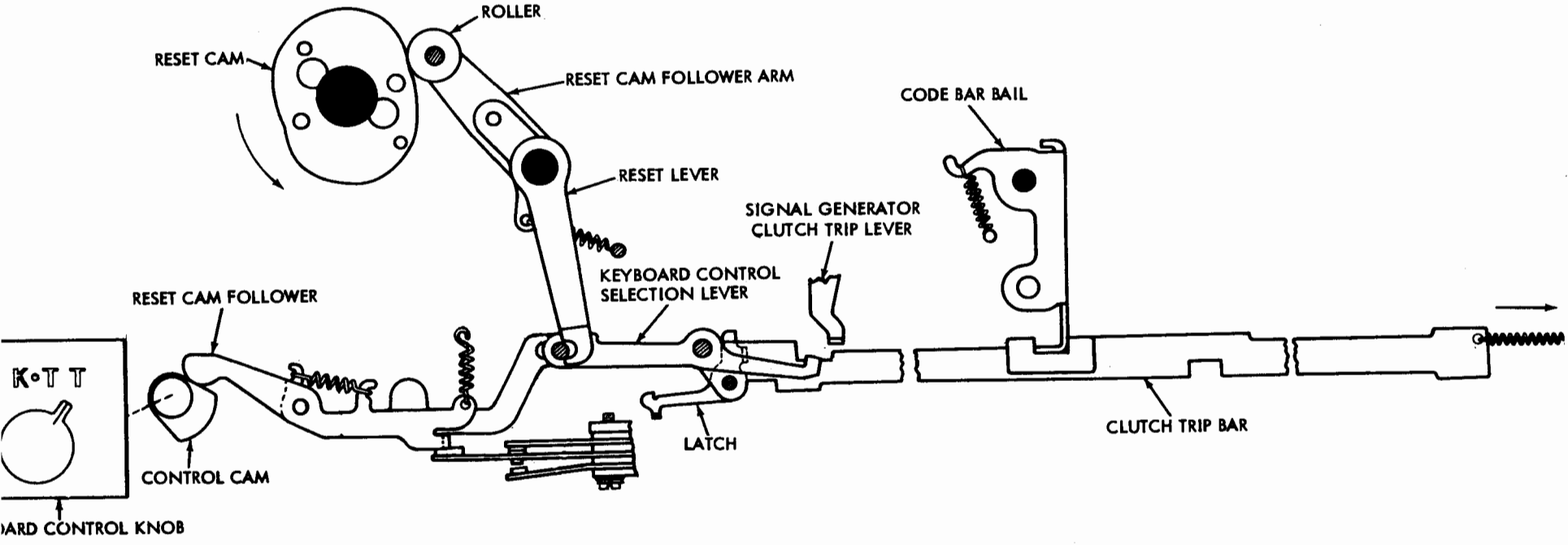
4. FIG.-A


PUNCH SLIDE LATCH
PUNCH SLIDE
PUNCH SLIDE BIAS SPRING
PUNCH SLIDE RESET BAIL
CONTROL CAM
CODE BAR EXTENSION
K K·T T
BLOCKING BAIL
CODE BAR
KEYBOARD CONTROL KNOB

5. FIG.-B


CLUTCH RELEASE
PERFORATOR TRIP LEVER
BAIL SLIDE TRIP LEVER
CLUTCH RESET CAM
RESET PIN
RESET CAM
NCH SLIDE RESET
IL EXTENSION
STOP
CLUTCH TRIP BAR
PERFORATOR TRIP LEVER LATCH
CLUTCH TRIP BAR LINK
BELL CRANK
BLOCKING BAIL EXTENSION
LATCH

6. FIG. - C


ROLLER
RESET CAM
RESET CAM FOLLOWER ARM
CODE BAR BAIL
RESET LEVER
SIGNAL GENERATOR
CLUTCH TRIP LEVER
KEYBOARD CONTROL
SELECTION LEVER
RESET CAM FOLLOWER
K•T T
CONTROL CAM
LATCH
CLUTCH TRIP BAR
ARD CONTROL KNOB