PRESENT STATE - _ESTABLISHED

API_CALL - bind()
Action – release the socket and return EINVAL.

PRESENT STATE - _CLOSE

API_CALL - listen()
Action – No Action but Change the state to TCP_LISTEN.

PRESENT STATE - _LISTEN

API_CALL - send/receive
Action – Return an error “ENOTCONN”.

PRESENT STATE - _SYN_SENT

PACKET_TYPE - SYN1

ACTION - if the packet is from the same end point
    Then accept and change the state to _ESTABLISHED.
    Else discard the packet.

PRESENT STATE - _ESTABLISHED

PACKET_TYPE - SYN2

ACTION – if ACK is correct(ACK_NO == SYN1_SEQ_NUM)
    Then remain in _ESTABLISHED and no action
    Else
        Send RESET

PRESENT STATE - _CLOSE

PACKET_TYPE - reset
Action : No-action . The endpoints will get reset.