

**LDA****- LOAD THE ACCUMULATOR**

Immediate -A9 (2 bytes)

**6502**

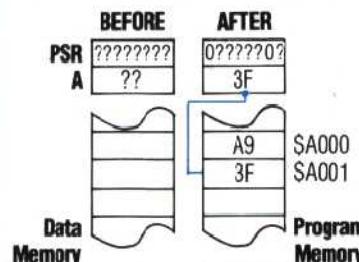
The contents of the byte following the op-code are loaded into the accumulator.

**EFFECT ON PSR**

S V B D I Z C  
MSB [X] [ ] [ ] [X] LSB

Example:

| LOCATION | MACHINE CODE | ASSEMBLY LANGUAGE |
|----------|--------------|-------------------|
| A000     | A9 3F        | LDA #\$3F         |

**LDA****- LOAD THE ACCUMULATOR**

From memory -AD (3 bytes)

**6502**

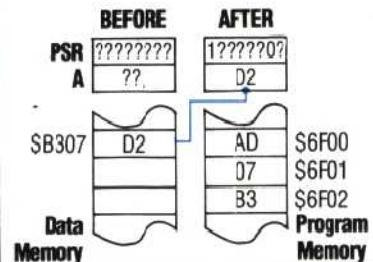
The contents of the memory location whose address follows the op-code are loaded into the accumulator.

**EFFECT ON PSR**

S V B D I Z C  
MSB [X] [ ] [ ] [X] LSB

Example:

| LOCATION | MACHINE CODE | ASSEMBLY LANGUAGE |
|----------|--------------|-------------------|
| 6F00     | AD 07 B3     | LDA \$B307        |

**STA****- STORE THE ACCUMULATOR**

To memory -8D (3 bytes)

**6502**

The contents of the accumulator are loaded into the memory location whose address follows the op-code.

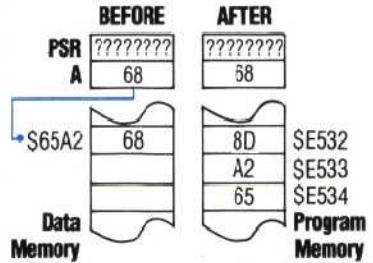
**EFFECT ON PSR**

S V B D I Z C  
MSB [ ] [ ] [ ] LSB

NO EFFECT

Example:

| LOCATION | MACHINE CODE | ASSEMBLY LANGUAGE |
|----------|--------------|-------------------|
| E532     | 8D A2        | STA \$E5A2        |

**ADC****- ADD WITH CARRY**

Immediate -69 (2 bytes)

**6502**

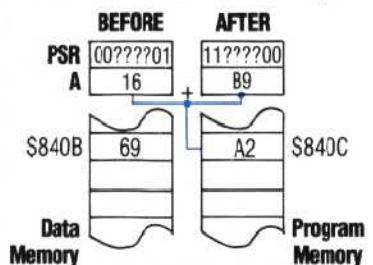
The carry flag plus the contents of the byte following the op-code are added to the contents of the accumulator.

**EFFECT ON PSR**

S V B D I Z C  
MSB [X] [ ] [ ] [XX] LSB

Example:

| LOCATION | MACHINE CODE | ASSEMBLY LANGUAGE |
|----------|--------------|-------------------|
| 840B     | 69 A2        | ADC #\$A2         |

**LD A****- LOAD THE ACCUMULATOR**

Immediate -3E (2 bytes)

**Z80**

The contents of the byte following the op-code are loaded into the accumulator.

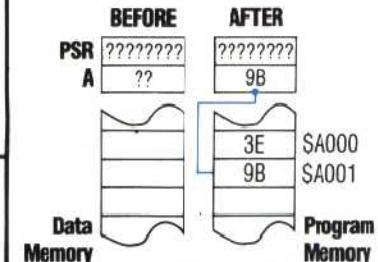
**EFFECT ON PSR**

S Z H V N C  
MSB [ ] [ ] LSB

NO EFFECT

Example:

| LOCATION | MACHINE CODE | ASSEMBLY LANGUAGE |
|----------|--------------|-------------------|
| A000     | 3E 9B        | LD A,\$9B         |

**LD A,****- LOAD THE ACCUMULATOR**

From memory -3A (3 bytes)

**Z80**

The contents of the memory location whose address follows the op-code are loaded into the accumulator.

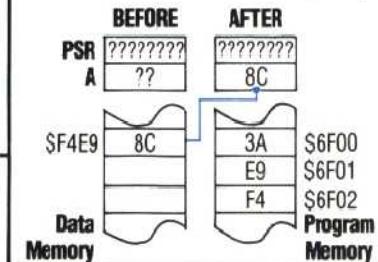
**EFFECT ON PSR**

S Z H V N C  
MSB [ ] [ ] LSB

NO EFFECT

Example:

| LOCATION | MACHINE CODE | ASSEMBLY LANGUAGE |
|----------|--------------|-------------------|
| 6F00     | 3A E9 F4     | LD A,(SF4E9)      |

**LD( ),A****- LOAD THE ACCUMULATOR**

To memory -32 (3 bytes)

**Z80**

The contents of the accumulator are loaded into the memory location whose address follows the op-code.

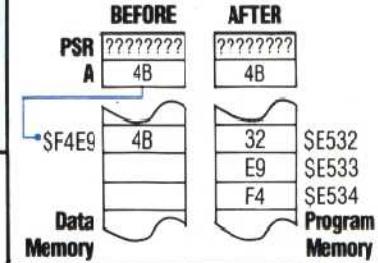
**EFFECT ON PSR**

S Z H V N C  
MSB [ ] [ ] LSB

NO EFFECT

Example:

| LOCATION | MACHINE CODE | ASSEMBLY LANGUAGE |
|----------|--------------|-------------------|
| E532     | 32 E9 F4     | LD (\$F4E9),A     |

**ADC A,****- ADD WITH CARRY**

Immediate -69 (2 bytes)

**Z80**

To the contents of the accumulator are added the carry flag plus the contents of the byte following the op-code.

**EFFECT ON PSR**

S Z H V N C  
MSB [X] [ ] [ ] [XX] LSB

Example:

| LOCATION | MACHINE CODE | ASSEMBLY LANGUAGE |
|----------|--------------|-------------------|
| 840B     | CE B9        | ADC A,SB9         |

