

**MOTOR CROSS-REFERENCE**

This cross-reference chart is designed to show the HES motor item number availability.

| <u>Obsolete:</u> | <u>Alternate – SIMCO:</u> | <u>Current – NMB:</u> | <u>Description:</u>                  |
|------------------|---------------------------|-----------------------|--------------------------------------|
| 99270029         | 99270066                  | 99270074              | - Motor, Step 2PH S17 06V ALNICO NMB |
| 99270030         | 99270065                  | 99270073              | - Motor, Step 2PH S17 04V ALNICO NMB |
| 99270031         | 99270062                  | 99270070              | - Motor, Step 2PH S17 02V ALNICO NMB |
| 99270032         | 99270064                  | 99270072              | - Motor, Step 2PH S17 01V ALNICO NMB |
| 99270033         | 99270063                  | 99270071              | - Motor, Step 2PH S17 03V ALNICO NMB |
| 99270034         | 99270061                  | 99270069              | - Motor, Step 2PH S17 05V ALNICO NMB |

**ColorPro HX/FX/Hxi**

|          |                               |
|----------|-------------------------------|
| 99270073 | MOTOR 01v (IRIS)              |
| 99270070 | MOTOR 02v (CMY, DIM, EFFECTS) |

**ColorCommand**

|         |       |
|---------|-------|
| UP90039 | MOTOR |
|---------|-------|

**ColorMerge**

|          |                      |
|----------|----------------------|
| 99270068 | MOTOR, 2 PHASE 29 MM |
|----------|----------------------|

**Cyberlight**

|          |  |
|----------|--|
| 99270072 | MOTOR, 01V (COLOR MIX MODULES (6) LONG)                          |
| 99270070 | MOTOR, 02V (R-LITHO, LINEAR SLIDE, IRIS)                         |
| 99270071 | MOTOR, 03V (TILT, COLOR MIX MODULE (2) SHORT)                    |
| 90714027 | MOTOR, ADAPTOR TYPE 23   |
| 80140019 | MOTOR, TYPE 23-09V (PAN, FX, FROST FLAGS, COLOR, LITHO, R-LITHO) |
| 80140033 | MOTOR BRAKE PAN, EFF, GOBO, R6030                                |
| 80140021 | MOTOR BRAKE TILT (2 REQUIRED)                                    |
| 80430076 | MOTOR BRAKE KIT PAN/TILT   |

**DL-1**

|          |                         |
|----------|-------------------------|
| 99270035 | MOTOR 3 PHASE, PAN/TILT |
| 80140034 | MOTOR, FOCUS            |
| 80140035 | MOTOR, ZOOM             |
| 99270055 | MOTOR, IRIS             |

**DL-2**

|          |                   |
|----------|-------------------|
| 99270035 | MOTOR, PAN & TILT |
| 99270076 | MOTOR, IRIS       |
| 80140035 | MOTOR, ZOOM       |
| 80140034 | MOTOR, FOCUS      |

**EC-2**

|          |                     |
|----------|---------------------|
| 99270072 | MOTOR, 01 (CYAN)    |
| 99270070 | MOTOR, 02 (DIM)     |
| 99270071 | MOTOR, 03 (MAGENTA) |
| 99270074 | MOTOR, 06 (YELLOW)  |

**SHOWGUN**

|          |                         |
|----------|-------------------------|
| 99270083 | TYPE 23 01V (ALL FLAGS) |
| 99270080 | GOBO                    |
| 99270077 | GOBO ROTATE             |
| 99270075 | IRIS, FOCUS, ZOOM       |
| 99270042 | PAN, TILT               |

| <b>Studio Beam PC</b>   |  |
|---|--|
| 80140028  | MOTOR BRAKE (PAN/TILT)                                 |
| 99270072  | MOTOR, 01V, MAGENTA, ZOOM                              |
| 99270071  | MOTOR, 03V, YELLOW, CYAN, LENTICULAR                   |
| 99270073  | MOTOR, 04V, FROST                                      |
| 99270074  | MOTOR, 06V, SHUTTER                                    |
| 99270028  | MOTOR, JS KT56JM1 003 (PAN & TILT)                     |
| <b>Studio Color 575</b>   |  |
| 80140028  | MOTOR BRAKE, PAN/TILT                                  |
| 99270070  | MOTOR, 02V (IRIS)                                      |
| 99270071  | MOTOR, 03V (SHUTTER)                                   |
| 99270073  | MOTOR, 04V (COLOR MIX AND LENS)                        |
| 99270028  | MOTOR, PAN /TILT, OLD RATIO                            |
| 99270035  | MOTOR, PAN/TILT, NEW RATIO                             |
| <b>Studio Color M &amp; S</b>   |  |
| 99270070  | MOTOR, 02V (IRIS)                                      |
| 99270071  | MOTOR, 03V (SHUTTER)                                   |
| 99270073  | MOTOR, 04V (COLOR MIX AND LENS)                        |
| 99270019  | MOTOR, PAN & TILT                                      |
| <b>Studio Spot 575</b>  |  |
| 80140026  | MOTOR BRAKE ASM  |
| 80140028  | MOTOR BRAKE, PAN & TILT                                |
| 99270026  | MOTOR, 08V SHORT STACK (FROST, FOCUS)                  |
| 99270035  | MOTOR, PAN/TILT, NEW RATIO                             |
| 99270028  | MOTOR, PAN/TILT, OLD RATIO                             |
| <b>NOTE: If the bad motor for the below functions does not have the current part number printed on the motor you will need new mounting screws 90711063</b> |  |
| 99270069  | MOTOR (COLOR 1), 05V                                   |
| 99270072  | MOTOR, 01V (COLOR 2)                                   |
| 99270070  | MOTOR, 02V (ROTATE, IRIS)                              |
| 99270071  | MOTOR, 03V (SHUTTER)                                   |
| 99270073  | MOTOR, 04V (LITHO 1)                                   |
| 99270074  | MOTOR, 06V (LITHO 2)                                   |
| <b>Studio Spot CMY</b>  |  |
| 99270026  | MOTOR, 08V (FROST, IRIS, FOCUS)                        |
| <b>NOTE: If the bad motor for the below functions does not have the current part number printed on the motor you will need new mounting screws 90711063</b> |  |
| 80140026  | MOTOR BRAKE (WHEELS)                                   |
| 99270072  | MOTOR, 01V (COLOR MIX)                                 |
| 99270070  | MOTOR, 02V (LITHO 1 & 2 ROTATE)                        |
| 99270071  | MOTOR, 03V (SHUTTER - UPPER & LOWER)                   |
| 99270073  | MOTOR, 04V (LITHO 1)                                   |
| 99270074  | MOTOR, 06V (LITHO 2)                                   |
| 99270069  | MOTOR, CUT SHAFT (CMY DRIVE)                           |
| <b>Studio Command 700</b>   |  |
| 99270035  | MOTOR PAN & TILT for 78FBxxxxxx & higher fixtures only |
| 99270028  | MOTOR,PAN & TILT for 78FAxxxxxx fixtures only          |
| 99270068  | MOTOR, OPTICAL MODULE all functions                    |

|                                    |   |  |
|------------------------------------|---|--|
| <b>Studio Command 1200 &amp; H</b> |   |  |
| 99270035                           | MOTOR PAN & TILT  |  |
| 99270068                           | MOTOR, OPTICAL MODULE all functions   |  |
|                                    |   |  |
| <b>Studio 250</b>                  |   |  |
| 99270028                           | MOTOR 3 PHASE, PAN & TILT   |  |
| 80140028                           | MOTOR BRAKE PAN/TILT  |  |
|                                    |   |  |
| <b>Studio Color 250</b>            |   |  |
| 99270070                           | MOTOR, 02V (ALL FUNCTIONS)  |  |
|                                    |   |  |
| <b>Studio Spot 250</b>             |   |  |
| 99270072                           | MOTOR, 01V (IRIS, FOCUS, LITHO WHEEL) - LONG  |  |
| 99270070                           | MOTOR, 02V (EFFECTS, EFFECT ROT, SHUTTERX2 COLOR, LITHO ROT) - SHORT  |  |
|                                    |   |  |
| <b>Technobeam</b>                  |   |  |
| 99270072                           | MOTOR 01V (LITHO)   |  |
| 99270070                           | MOTOR 02V (COLOR, SHUTTER, FOCUS, L ROTATE, FX, IRIS)   |  |
| 99270071                           | MOTOR 03V (PAN, TILT, FX ROTATE)  |  |
| 80140021                           | MOTOR BRAKE   |  |
|                                    |   |  |
| <b>Trackspot</b>                   | <b>NOTE: If the bad motor for SHUTTER, GOBO, or COLOR does not have the current part number printed on the motor you will need new mounting screws 90707066</b> |  |
|                                    |   |  |
|                                    |   |  |
|                                    | <b>Spring Plunger Model</b>   |  |
| 99270071                           | MOTOR (TILT, SHUTTER)   |  |
| 99270070                           | MOTOR (GOBO, COLOR, PAN)  |  |
|                                    |   |  |
|                                    | <b>Motorbrake Model</b>   |  |
| 80140021                           | MOTOR BRAKE (PAN & TILT)  |  |
| 99270071                           | MOTOR (TILT, COLOR)   |  |
| 99270062                           | MOTOR (PAN, GOBO)   |  |
| 99270072                           | MOTOR (SHUTTER)   |  |
|                                    |   |  |
|                                    | <b>Integrated Harness Motor Replacements</b>  |  |
| 80140005                           | LONG SHAFT MOTOR W/ WIRE (TILT, SHUTTER)  |  |
| 80140014                           | SHORT SHAFT MOTOR W/ WIRE (PAN, COLOR, GOBO)  |  |
|                                    |   |  |
| <b>Trackspot II</b>                |   |  |
| 04C007                             | MOTOR (ALL FUNCTIONS)   |  |
|                                    |   |  |
| <b>Xspot</b>                       |   |  |
| 99270042                           | MOTOR, JS - KT60LM1 001 3 PHASE (PAN, TILT)   |  |
| 99270075                           | MOTOR, METRIC 11.5 MM (MAGENTA, YELLOW)   |  |
| 99270076                           | MOTOR, METRIC 15.09 MM (DIM FLAG, CYAN, VCTO,IRIS, LITHO 1 & 2 ROTATE, FX WHEEL, FX ROTATE)   |  |
| 99270077                           | MOTOR, METRIC 33.8 MM (FOCUS, ZOOM)   |  |
| 99270078                           | MOTOR, METRIC 43.5 MM (FROST, LITHO #2 WHEEL,VCTB)  |  |
| 99270079                           | MOTOR, METRIC 50.8 MM (SEGMENT COLOR WHEEL)   |  |
| 99270080                           | MOTOR, METRIC 62.5 MM (LITHO #1 WHEEL)  |  |