

SR Series

OPERATION

MANUAL

STRYK
STRIK

SR SERIES Electric Torque Wrenches

MODELS SR-500, SR-1000, SR-2000, SR-3000 AND SR-6000



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Introduction

Thank you for your purchase of a STRYK Tool and Controller from TorcUP, Inc.

This purpose of this manual is to provide the user of the STRYK Tool and Controller with a guide to understand the features and functions of the controller.

For additional service and support, please contact your TorcUP representative or TorcUP, Inc. directly at 1-888-TORCUP-1 or email at info@torcup.com.

TABLE OF CONTENTS

SAFETY INFORMATION	3
STRYK FRONT PANEL (FIGURE 1)	4
STRYK CABLE CONNECTIONS (FIGURE 2)	4
STRYK TOOL CONNECTIONS (FIGURE 3)	5
STRYK TOOL LED INDICATOR (FIGURE 4).....	5
STRYK MODELS AND DIMENSIONAL INFORMATION	6
STRYK CONTROL BOX MAIN DISPLAY FUNCTIONS	7
WORKING WITH MULTIPLE TOOLS.....	8
UNIT SELECTIONS	8
HOME SCREEN.....	9
TOOL AND UNIT SELECTION	9
RUN MODE.....	10
TORQUE ANGLE CONTROL	11-12
TORQUE CONTROL	13-14
DATA LOGGING.....	15
INFO SCREEN.....	16
FIELD CALIBRATION.....	17
PROGRAM TREE.....	18
EXTENSION CORDS	18
SR500 PARTS BREAKDOWN	19
SR-1000 PARTS BREAKDOWN	20
SR-1000E6 PARTS BREAKDOWN	21
SR-2000 PARTS BREAKDOWN	22
SR-3000 PARTS BREAKDOWN	23
SR-6000 PARTS BREAKDOWN	24
TROUBLESHOOTING	25



Safety Information

SAVE THESE INSTRUCTIONS

- ALWAYS READ THE MANUAL AND SAFETY INSTRUCTIONS BEFORE USE.
- KEEP WORK AREA CLEAN AND WELL LIT.
- DO NOT OPERATE POWER TOOLS IN EXPLOSIVE ENVIRONMENTS.
- KEEP CHILDREN AND BYSTANDERS AWAY WHILE OPERATING A POWER TOOL.
- ALWAYS WEAR PROPER EYE PROTECTION AND GLOVES WHEN OPERATING OR PERFORMING MAINTENANCE ON THIS TOOL.
- DO NOT USE FOR ANY PURPOSE OTHER THAN AS DIRECTED.
- DO NOT USE DAMAGED OR DETERIORATED CONNECTION CABLES.
- KEEP CORD AWAY FROM HEAT, OIL, SHARP EDGES OR MOVING PARTS.
- DO NOT CARRY THE TOOL BY THE CABLES.
- TO AVOID DANGER OF ELECTROCUTION, DO NOT STORE OR LEAVE THIS TOOL IN A POSITION WHERE IT MIGHT FALL INTO A BASIN OR OTHER VESSEL CONTAINING WATER OR ELECTRICALLY CONDUCTIVE LIQUIDS, EVEN IF THE POWER IS TURNED OFF.
- REMOVE THE PLUG FROM THE ELECTRICAL SOCKET OUTLET WHEN THE TOOL IS NOT BEING USED.
- DO NOT LET FOREIGN OBJECTS, LIQUIDS OR ELECTRICALLY CONDUCTIVE OR FLAMMABLE LIQUIDS ENTER THIS TOOL.
- DO NOT USE THIS TOOL WITH BARE FEET OR WHEN HANDS/FEET ARE WET.
- STOP USING THE TOOL IMMEDIATELY IF BROKEN OR FOREIGN OBJECTS/LIQUIDS ENTER THIS TOOL.
- DO NOT COVER OR PUT CONTROLLER BOX OR TOOL NEAR ANY HEAT SENSITIVE OR FLAMMABLE MATERIALS.
- NO USER SERVICABLE PARTS INSIDE, CONTACT AUTHORIZED SERVICER FOR ASSISTANCE.
- REMOVE FROM POWER AND WAIT FIVE MINUTES BEFORE DISASSEMBLY.
- USE SUITABLE EXTENSION CORD RATED FOR EXTERIOR USE.
- DO NOT OVERREACH. KEEP PROPER FOOTING AND BALANCE.
- DO NOT USE POWER TOOL UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR MEDICATION.
- DO NOT WEAR LOOSE CLOTHING OR JEWELRY. KEEP HAIR, CLOTHING AND GLOVES AWAY FROM MOVING PARTS.



Stryk Front Panel

Figure 1



- 1- System Main Power Switch (Illuminated)
- 2- Servo Drive Reset Switch
- 3- Universal Serial Bus (USB) – Data Retrieval / Software Updates
- 4- Emergency Stop Button (Push to Engage / Pull to Disengage)
- 5- 7.5" Touch Screen HMI

Stryk Cable Connections

Figure 2

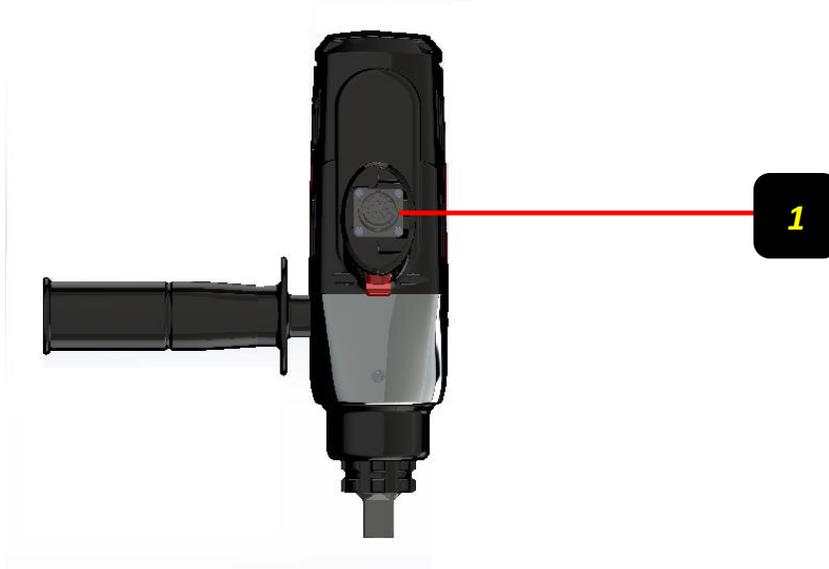


- 1- Tool Connector (19 Pin) – Standard connection point for tool cable. Match yellow cable end to controller box
- 2- Power Cord Connection (3 Pin) – Standard power connection point



Stryk Tool Connections

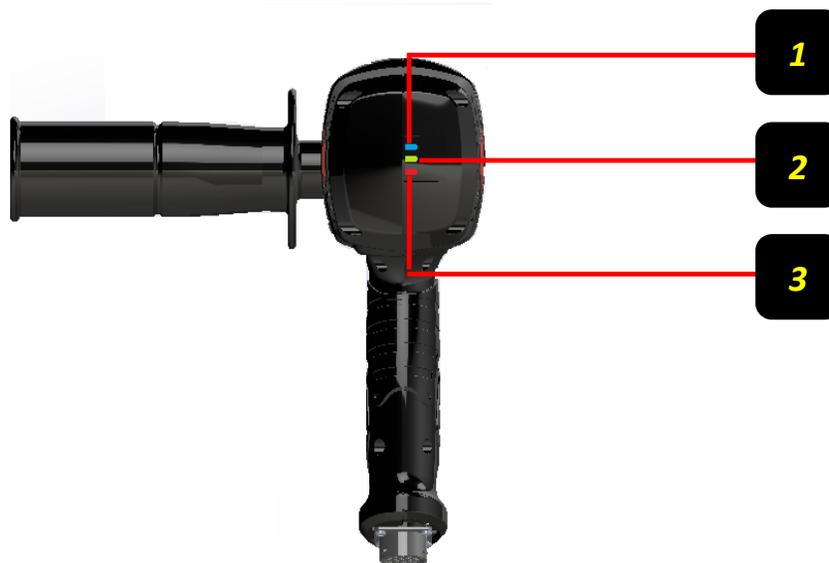
Figure 3



1- Tool Connector (19 Pin) – Standard connection point for tool cable

Stryk Tool LED Indicator

Figure 4



- 1- Tool Power Indicator (Blue) – Light on constantly while tool is on.
- 2- PASS Indicator light (Green)
- 3- FAIL Indicator light (Red)

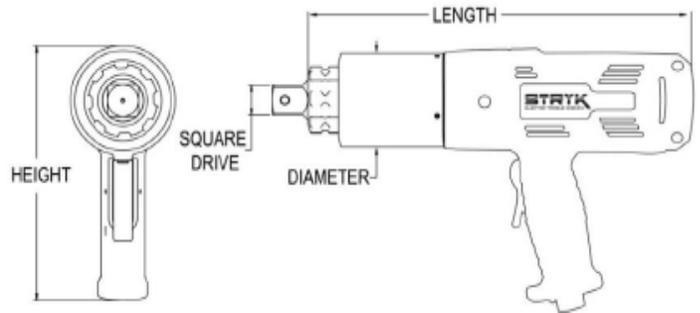


Stryk Models and Dimensional Information

MODEL NUMBER	SR-500	SR-1000	SR-2000	SR-3000	SR-6000
SQUARE DRIVE	3/4"	1"	1"	1"	1 1/2"
MIN TORQUE (ft/lbs)	100	200	400	600	1200
MAXTORQUE (ft/lbs)	500	1000	2000	3000	6000
MIN TORQUE (nm)	136	271	542	813	1627
MAX TORQUE (nm)	678	1356	2712	4067	8135
OUTPUT ACCURACY @ Set Torque	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%
REPEATABILITY	100%	100%	100%	100%	100%
DUTY CYCLE	100%	100%	100%	100%	100%
TOOL WEIGHT (lbs) W/O REACTION ARM	10.9	14	15.6	22.3	38.3
TOOL WEIGHT (kg) W/O REACTION ARM	4.9	6.4	7.1	10.1	17.4
STANDARD REACTION ARM (lbs)	2.05	2.85	2.85	2.85	7.85
STANDARD REACTION ARM (kg)	0.93	1.29	1.29	1.29	3.56
PERFORMANCE (RPM)					
RPM @ Minimum Torque	2.6	2	3	1.4	1.9
RPM @ Maximum Torque	25.8	10	6	2.8	1.9

HEIGHT (in)	9.29	9.29	9.29	9.31	9.94
HEIGHT (mm)	236.0	236.0	236.0	236.5	252.5
SQUARE DRIVE (in)	0.75	1	1	1	1.5
SQUARE DRIVE (mm)	19.05	25.4	25.4	25.4	38.1
LENGTH (in)	11.45	13.23	13.94	16.18	16.88
LENGTH (mm)	290.8	336.0	354.1	411.0	428.8
DIAMETER (in)	2.56	2.85	3.09	3.75	5.00
DIAMETER (mm)	65.0	72.4	78.5	95.3	127.0

MISC.	
CONTROL BOX (lbs)	20.00
CONTROL BOX (kg)	9.07
POWER CABLE (lbs)	1.65
POWER CABLE (kg)	0.75
DATA CABLE (lbs)	3.85
DATA CABLE (kg)	1.75



Controller Box Dimensions (L x W x H):

Imperial (in): 14.9" x 12.13" x 9.58"

Metric (mm): 387.5 x 308.1 x 243.3



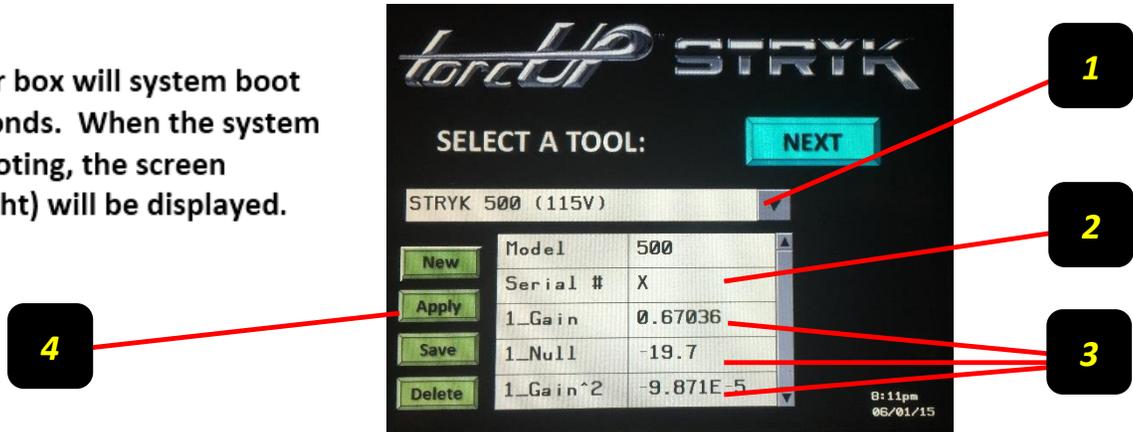
Stryk Control Box Main Display Functions

Initial Start Up

1. Attach tool controller cable to control box. (See figure 2)
2. Attach tool controller cable to Stryk Wrench. (See Figure 3)
3. Attach power cord to control box. (See Figure 2)
4. Plug power cord into electrical receptacle.
5. Reset e-stop button by pulling up on the e-stop button.
6. Turn on power by switching the system power button to ON.

Tool Selection and Setup

The controller box will system boot for a few seconds. When the system is finished booting, the screen (shown on right) will be displayed.



1. Select the STRYK TOOL MODEL by touching the down arrow to the right of the tool listing. A drop down menu will appear. Select from the following STRYK tools in 115v and 230v versions.
 - STRYK 500
 - STRYK 1000
 - STRYK 2000
 - STRYK 3000
 - STRYK 6000
2. Enter the SERIAL NUMBER of your STRYK Tool. This serial number will be marked on the tool and calibration certificates provided with the tool. A drop down keypad will appear. Enter up to 8 characters for a serial number. Press ENTER when complete.
3. Enter the GAIN, NULL, & GAIN^2 by touching the field to the right of each designator. A drop down keypad will appear.
 - Enter the GAIN value provided on the calibration documents. Press ENTER when complete.
 - Enter the NULL value provided on the calibration documents. Press ENTER when complete.
 - Enter the GAIN^2 value provided on the calibration documents. Press ENTER when complete.
4. Touch the APPLY button when all of the information has been entered. This loads the selected tool in top level memory

NOTE: The GAIN, NULL, & GAIN^2 values are unique to each STRYK tool. If improper values are entered into the control box, inaccurate torque results will occur.



Working with Multiple Tools

The STRYK controller box has the capability of storing multiple tool models and their corresponding GAIN, NULL and GAIN^2 values. Only one (1) tool selection can be loaded into top level memory at a time.



1. **NEW** – is used to enter a new tool. Touch the NEW button, and a new model number will appear. This tool model can be changed to a name of your choice by touching field tool selection field to the right and using the drop down keypad to enter desired tool name. Press ENTER when complete.
 - a. Enter serial number, GAIN, NULL & GAIN^2 as detailed in “Tool Selection and Setup” Section
2. **SAVE** – is used to permanently save new tool data or changes made to a tool model. By pressing the SAVE button, the new tool model, name, and data are now saved for future use.
3. **APPLY** – this button is used to load selected tool into top level memory for operation.
4. **DELETE** – this button is used to permanently delete any tool loaded into top level memory. This data cannot be recovered, but can be reentered manually by using NEW tool button.
5. **NEXT** – when pressed it will activate the units selection screen.

Units Selection



The UNITS screen currently offers two selections. At this time, the STRYK has the capability to display in imperial and metric units.

1. **Units Selection Button** - enables the ability to toggle between English and Metric.
2. **Units** - displays in ft/lb or nm.
3. **Home Button** - when pressed it will activate the home screen.



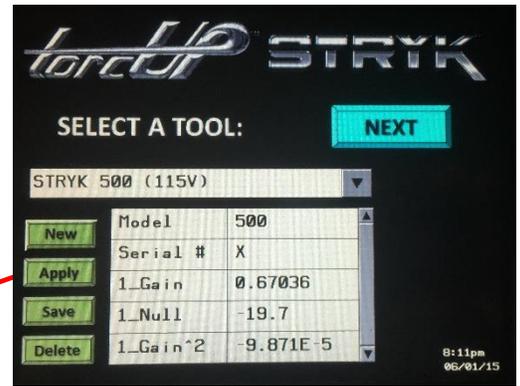
Home Screen



The HOME Screen can be reached on various screens by touching the  button. The HOME screen greatly speeds up navigation throughout the program. The next few sections will detail each area of the home screen.

Tool and Unit Selection

By pressing the TOOL SELECTION button, the screen to the right will appear. Operations for this mode are found detailed in the "TOOL SELECTION AND SETUP" Section.



By pressing the UNIT SELECTION button, the screen to the right will appear. Operations for this mode are found detailed in the "UNIT SELECTION" Section.



Run Mode

By pressing the RUN button from the HOME screen, the "Select Run Mode" screen will appear.



This screen allows the selected STRYK tool to be operated in two different modes.

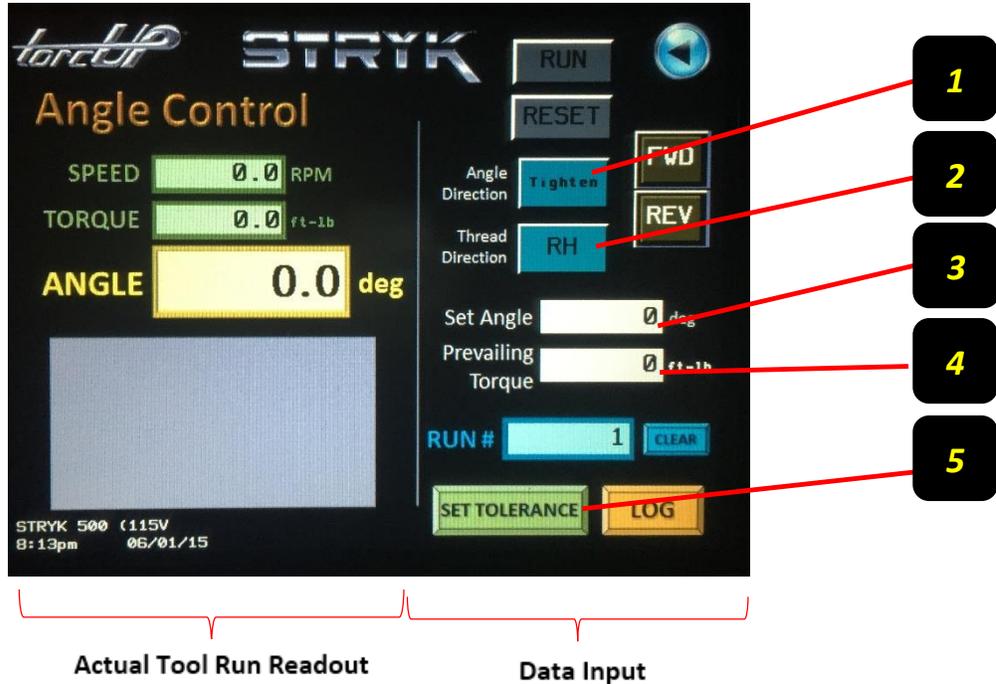
- **ANGLE CONTROL** – In this mode, a prevailing torque can be achieved and continuous rotation of the nut for a desired angle of rotation can both be achieved.
- **TORQUE CONTROL** – This mode allows the user to operate the STRYK tool to desired predetermined final torque settings.

See the following sections for detailed operation instructions for both modes of operation.



Torque Angle Control

Press the ANGLE CONTROL button from the RUN screen, and the following screen will be displayed. This screen is divided into two sections, the section to the right is the data input side and the section to the left is the actual run data.



1. Set desired angle rotation for either "TIGHTEN" or "LOOSEN".
2. Set desired nut rotation for either "RIGHT HAND THREADS" or "LEFT HAND THREADS".
3. Enter desired angle of rotation by touching the data field next to the "Set Angle" heading. Use the drop down keypad to enter your desired degrees of rotation. (See Figure 5)
4. Enter desired prevailing torque by touching the data input field. Use the drop down keypad to enter the desired prevailing torque. (See Figure 5)
5. Set desired tolerance for the PREVAILING TORQUE, and ANGLE OF ROTATION, by touching the OVER TOLERANCE and UNDER TOLERANCE fields and using the drop down keypad to enter the percentage tolerance. The minimum and maximum angles will be displayed. This setting allows for a +/- setting to the torque and rotation angle. (See Figure 6)

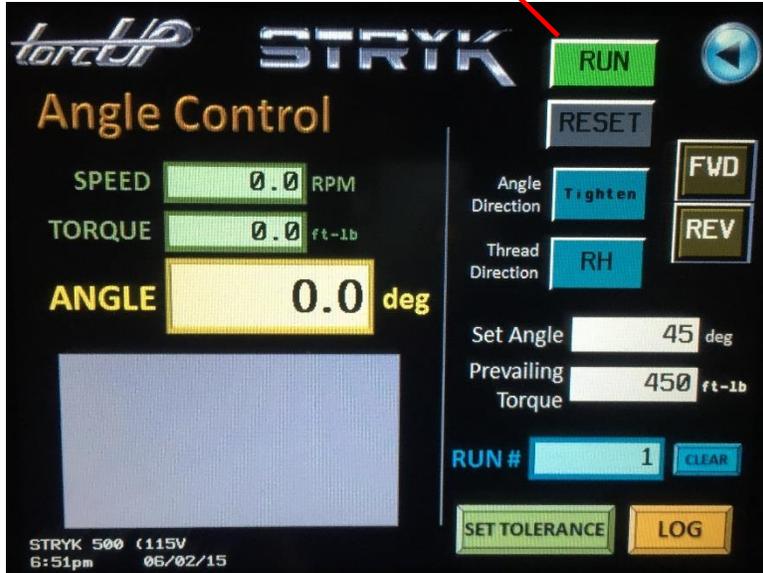
Figure 5



Figure 6



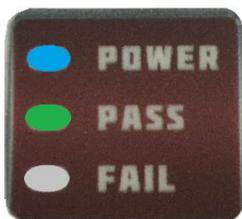
After all data has been input, press RUN to operate the STRYK tool. The tool will tighten to the set prevailing torque.



Each time the tool is operated, the indicator will flash either PASS or FAIL on the readout section of the control screen. The LED indicator on the rear of the tool handle will also show an indication of pass or fail, giving the operator a visual indicator without having to examine the control box.



Stryk Control Box Readout

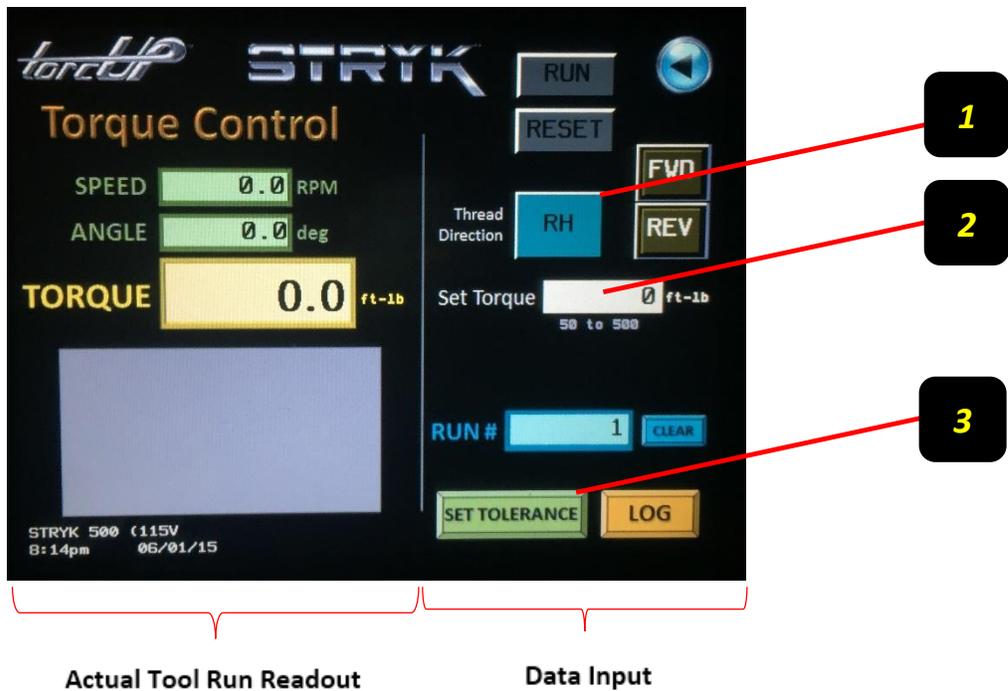


Stryk LED Indicator



Torque Control

Press the TORQUE CONTROL button from the RUN screen, and the following screen will be displayed. This screen is divided into two sections. The section to the right is the data input side, and the section to the left is the actual run data.



Actual Tool Run Readout

Data Input

Figure 7



1. Set desired nut rotation for either "RIGHT HAND THREADS" or "LEFT HAND THREADS".
2. Enter torque requirement by touching the data input field. Use the drop down keypad to enter the desired prevailing torque. (See Figure 7)

Figure 8



3. Set desired tolerance for the PREVAILING TORQUE, by touching the OVER TOLERANCE and UNDER TOLERANCE fields and using the drop down keypad to enter the percentage tolerance. The minimum and maximum torque values will be displayed. (See Figure 8)



After all the data has been input press RUN to operate the STRYK tool. The tool will tighten to the set prevailing torque.



Each time the tool is operated, the indicator will flash either PASS or FAIL on the readout section of the control screen. The LED indicator on the rear of the tool handle will also show an indication of pass or fail, giving the operator a visual indicator without having to examine the control box.



Stryk Control Box Readout



Stryk LED Indicator



Data Logging

The data log screen can be accessed from the home screen or by pressing the LOG button found on the RUN screen, as well as the ANGLE CONTROL and the TORQUE CONTROL screens.

When the LOG button is pressed, the following screen will appear.



1. MAIN MENU – Functions include: (from Left to Right) SCROLL UP SINGLE, SCROLL UP PAGE, SCROLL DOWN SINGLE, SCROLL DOWN PAGE, DELETE SINGLE, DELETE ALL.
2. The RUN button will return you to the Main RUN Screen.
3. The DOWNLOAD button will allow download to portable USB device.

Data logs can be exported to a CSV (comma separated value) that can easily be opened in MS Excel format or other commonly used spreadsheet programs. Below is an example of a downloaded file.

Date	Active Time	Message					
4/10/2013	7:01:13pm	Run 0: PASS; Set Trq: 0	Final Trq: 0.0	Set Ang: 0	Final Ang: 0.0	STRYK 1000	
4/10/2013	7:01:17pm	Run 2: FAIL; Set Trq: 250	Final Trq: 1.0	Set Ang: 0	Final Ang: 0.0	STRYK 1000	
4/10/2013	7:02:18pm	Run 3: PASS; Set Trq: 250	Final Trq: 81.3	Set Ang: 0	Final Ang: 0.5	STRYK 1000	
4/10/2013	7:02:47pm	Run 4: FAIL; Set Trq: 500	Final Trq: 524.6	Set Ang: 0	Final Ang: **.*	STRYK 1000	
4/10/2013	7:03:16pm	Run 5: PASS; Set Trq: 500	Final Trq: 544.6	Set Ang: 0	Final Ang: -0.3	STRYK 1000	
4/10/2013	7:04:52pm	Run 6: FAIL; Set Trq: 500	Final Trq: 507.5	Set Ang: 0	Final Ang: -0.8	STRYK 1000	
4/10/2013	7:05:16pm	Run 7: PASS; Set Trq: 500	Final Trq: 849.0	Set Ang: 15	Final Ang: 15.8	STRYK 1000	

To download the data Log:

1. Press the LOG button or access the data screen from the MAIN MENU.
2. Insert a USB drive (FORMATED TO FAT32) into the USB port.
3. Press the DOWNLOAD button to begin the download.
4. Remove USB Drive when download is complete.



Info Screen

The INFO screen is used to make changes to the control box setup menu.

Enter the INFO screen by pressing the INFO button from the HOME Screen.



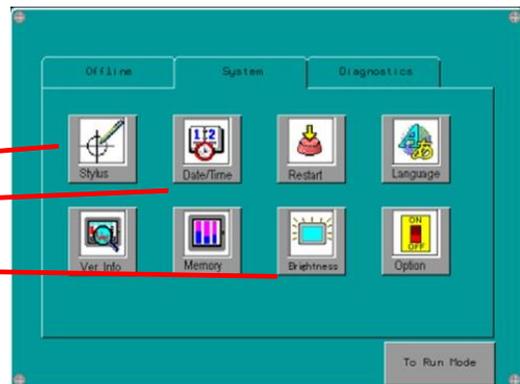
The INFO screen will be displayed. To enter the setup screen, press SETUP.



The System SETUP screen will be displayed. Settings that can be changed are:

- TFT Screen Calibration
- Date / Time
- Brightness

To preserve the integrity of the program some settings are inaccessible.



To EXIT the information screen, press the TO RUN MODE under the "System" tab to return to the INFO screen. Press the HOME button in the upper right of the page to return to the HOME screen.



Field Calibration

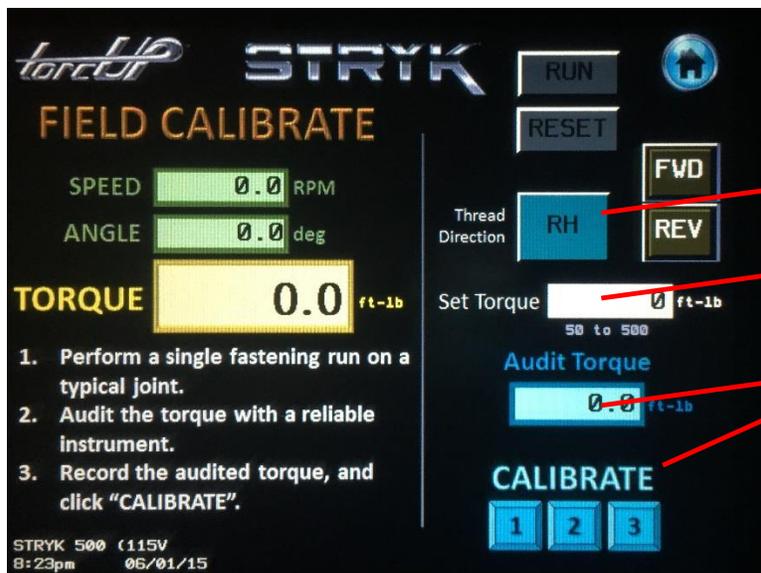
The Field Calibration mode can be used to adjust the STRYK tool to a specific joint. In order to perform this operation, you **MUST** be able to have access to a reliable torque auditing instrument or calibration device.

Before performing this procedure, it may be found best to create a new tool so as to not lose the original GAIN, NULL, & GAIN^2 values associated with your tool. This procedure **WILL** modify the GAIN, NULL, & GAIN^2 values already programmed for your tool. (See TOOL SELECTION section on creating a new tool in the system.)

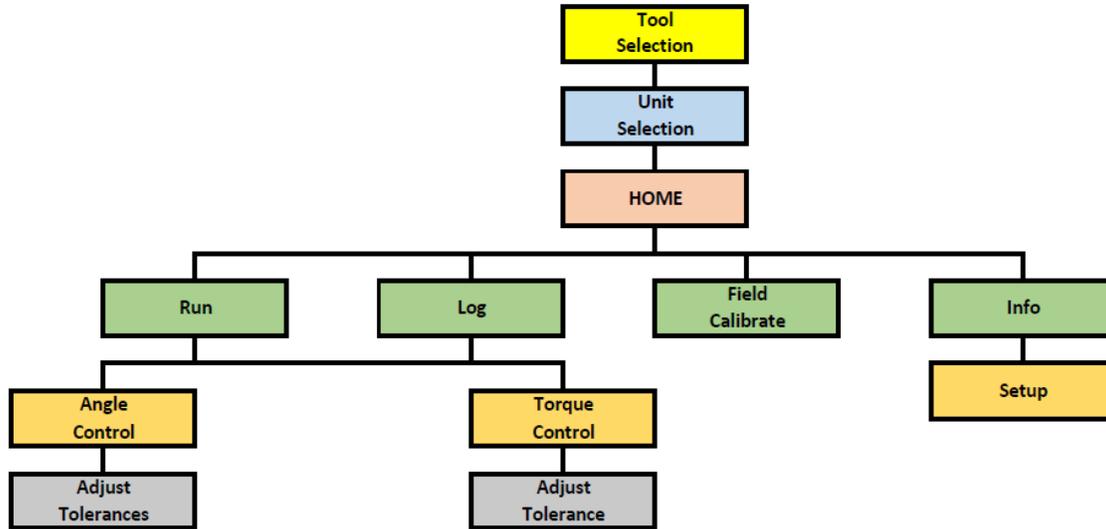
Once the new tool has been created, enter the FIELD CALIBRATION screen by pressing the FIELD CALIBRATE button on the HOME screen.

The FIELD CALIBRATE screen is almost identical to the TORQUE CONTROL mode, except that three (3) audit torque checks must be made.

1. Enter the desired set torque
2. Set drive rotation direction
3. Tighten test joint
4. Enter audit torque value from audit device
5. Press CALIBRATE #1 button to record variable
6. Repeat steps 3-5 above for CAL steps 2 & 3



Program Tree



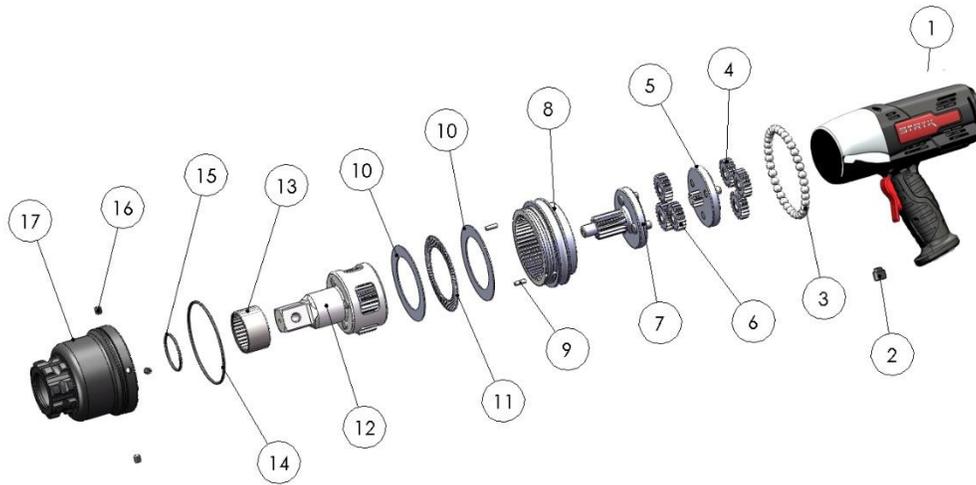
Extension Cords

RECOMMENDED MINIMUM WIRE SIZE-AWG (mm²) OF EXTENSION CORDS FOR STRYK CONTROLLER

Cord Size AWG (mm ²) 3.2 Volt Drop			
Length of Cord			
0-25 feet (0-8 m)	25-50 feet (8-15 m)	50-100 feet (15-30 m)	100-150 feet (30-45m)



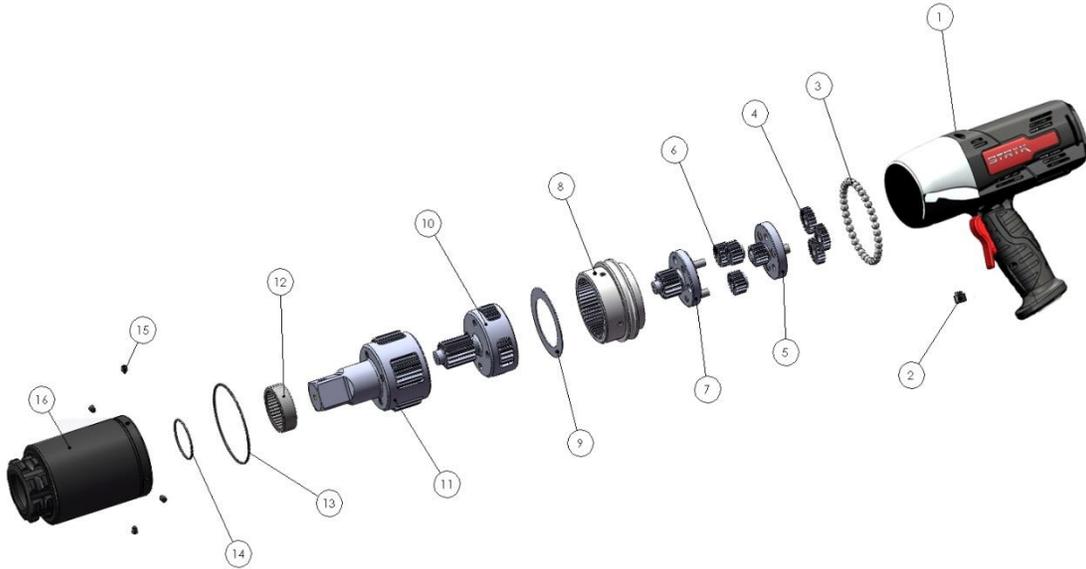
SR-500 PARTS BREAKDOWN



ITEM	QTY.	PART NUMBER	DESCRIPTION
1	1	SR-HANDLE-ASY	STRYK HANDLE AND MOTOR ASSEMBLY
2	1	RP-AM19-41	AIR MOTOR BALL RETAINER
3	35	RP-CM-BB	STEEL BALL
4	3	RP-05-ST-G	SPUR GEAR ASSEMBLY(SAME FOR STAGE 1&2)
5	1	RP-05-ST1	1 ST STAGE ASSEMBLY
6	3	RP-05-ST-G	SPUR GEAR ASSEMBLY(SAME FOR STAGE 1&2)
7	1	RP-05-ST2	2 ND STAGE ASSEMBLY
8	1	RP-05-HSA	HIGH SPEED ANNULUS
9	2	RP-05-DOWEL	LONG HARDENED DOWEL
10	2	RP-05-TW	THRUST WASHER
11	1	RP-05-NRB	NEEDLE ROLLER BEARING
12	1	RP-05-DSTA	DRIVE STAGE ASSEMBLY
13	1	RP-05-MB	MAIN BEARING
14	1	RP-05-ORING-MA	MAIN ANNULUS O-RING
15	1	RP-05-ORING-DA	DRIVE ANNULUS O-RING
16	4	RP-CM-SS-DA	DRIVE ANNULUS SET SCREW
17	1	RP-05-DA	DRIVE ANNULUS



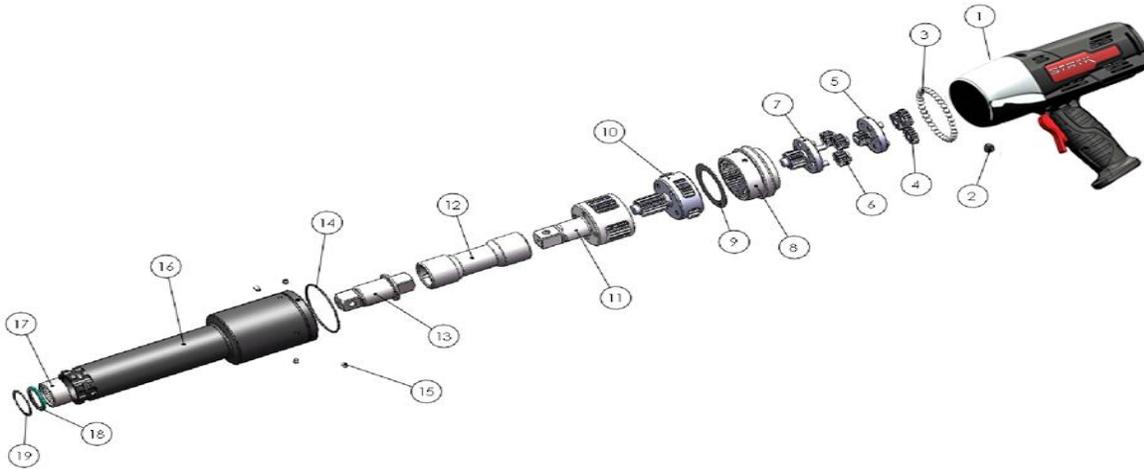
SR-1000 PARTS BREAKDOWN



ITEM	QTY.	PART #	DESCRIPTION
1	1	SR-HANDLE-ASY	STRYK HANDLE AND MOTOR ASSEMBLY
2	1	RP-AM19-41	AIR MOTOR BALL RETAINER
3	35	RP-CM-BB	STEEL BALL
4	3	RP-10-ST1-G	1 ST STAGE SPUR GEAR ASSEMBLY
5	1	RP-10-ST1	1 ST STAGE GEAR ASSEMBLY
6	3	RP-10-ST2-G	2 ND STAGE SPUR GEAR ASSEMBLY
7	1	RP-10-ST2	2 ND STAGE GEAR CAGE ASSEMBLY
8	1	RP-10-HSA	HIGH SPEED ANNULUS
9	1	RP-10-TW	THRUST WASHER
10	1	RP-10-ST3A	3 RD STAGE GEAR CAGE ASSEMBLY
11	1	RP-10-DSTA-1	DRIVE STAGE ASSEMBLY
12	1	RP-10-MB-1	MAIN BEARING
13	1	RP-CM-ORING-MA	MAIN ANNULUS O-RING DRIVE
14	1	RP-10-ORING-DA1	DRIVE ANNULUS O-RING
15	4	RP-CM-SS-DA	DRIVE ANNULUS SET SCREW
16	1	RP-10-DA-1	DRIVE ANNULUS



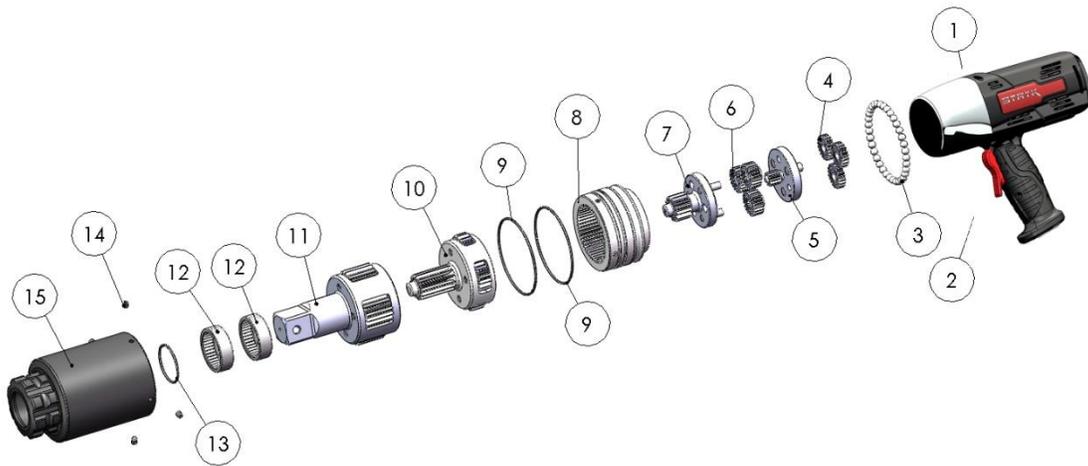
SR-1000E6 PARTS BREAKDOWN



ITEM	QTY.	PART #	DESCRIPTION
1	1	SR-HANDLE-ASY	STRYK HANDLE AND MOTOR ASSEMBLY
2	1	RP-AM19-41	AIR MOTOR BALL RETAINER
3	35	RP-CM-BB	STEEL BALL
4	3	RP-10-ST1-G	1 ST STAGE SPUR GEAR ASSEMBLY
5	1	RP-10-ST1	1 ST STAGE CAGE GEAR ASSEMBLY
6	3	RP-10-ST2-G	2 ND STAGE SPUR GEAR ASSEMBLY
7	1	RP-10-ST2	2 ND STAGE CAGEGEAR ASSEMBLY
8	1	RP-10-HSA	HIGH SPEED ANNULUS
9	1	RP-10-TW	THRUST WASHER
10	1	RP-10-ST3A	3 RD STAGE GEAR CAGE ASSEMBLY
11	1	RP-10-DSTA	DRIVE STAGE ASSEMBLY
12	1	RP-10E6-ES-6	6" EXTENSION SHAFT
13	1	RP-10E6-SDE	SQUARE DRIVE EXTENSION
14	1	RP-CM-ORING-MA	MAIN ANNULUS O-RING
15	4	RP-CM-SS-DA	DRIVE ANNULUS SET SCREW
16	1	RP-10E6-DA	DRIVE ANNULUS
17	1	RP-10E6-MB	MAIN BEARING
18	1	RP-10E6-SS	SHAFT SEAL
19	1	RP-10-ORING-DA	DRIVE ANNULUS O-RING



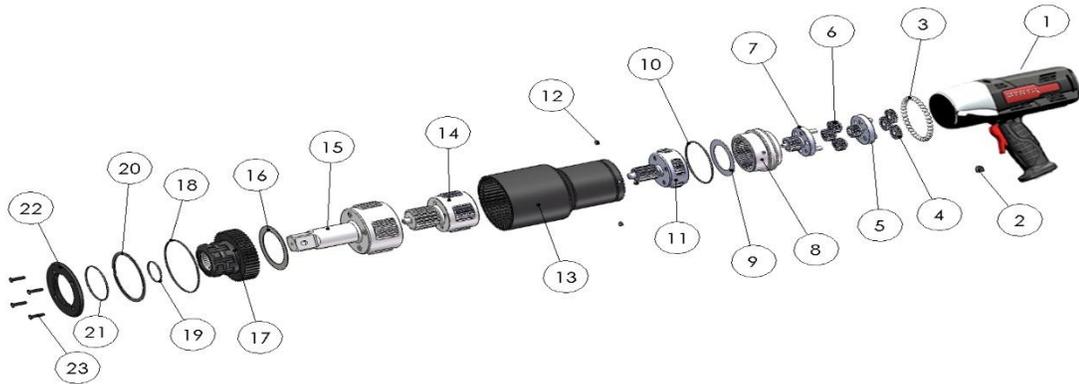
SR2000 PARTS BREAKDOWN



ITEM	QTY.	PART #	DESCRIPTION
1	1	SR-HANDLE-ASY	STRYK HANDLE AND MOTOR ASSEMBLY
2	1	RP-AM19-41	AIR MOTOR BALL RETAINER
3	35	RP-CM-BB	STEEL BALL
4	3	RP-20-ST1-G	1 ST STAGE SPUR GEAR ASSEMBLY
5	1	RP-20-ST1	1 ST STAGE GEAR CAGE ASSEMBLY
6	3	RP-20-ST2-G	2 ND STAGE SPUR GEAR ASSEMBLY
7	1	RP-20-ST2	2 ND STAGE GEAR CAGE ASSEMBLY
8	1	RP-20-HSA	HIGH SPEED ANNULUS
9	2	RP-CM-ORING-MA	MAIN ANNULUS O-RING
10	1	RP-20-ST3A	3 RD STAGE GEAR CAGE ASSEMBLY
11	1	RP-20-DSTA	DRIVE STAGE ASSEMBLY
12	2	RP-20-MB	MAIN BEARING
13	1	RP-20-ORING-DA	DRIVE ANNULUS O-RING
14	4	RP-CM-SS-DA	DRIVE ANNULUS SET SCREW
15	1	RP-20-DA	DRIVE ANNULUS



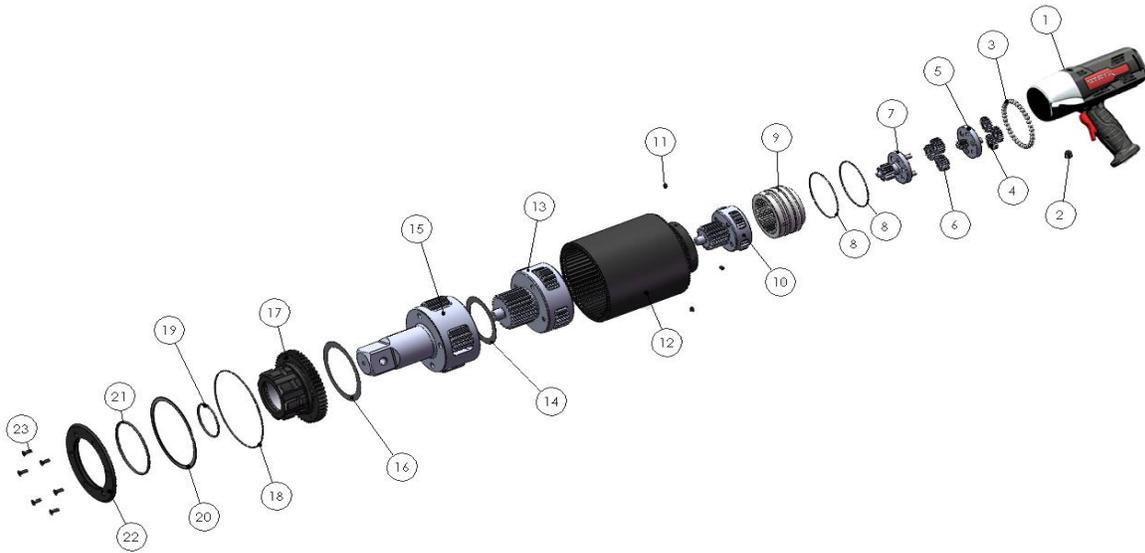
SR3000 PARTS BREAKDOWN



ITEM	QTY.	PART #	DESCRIPTION
1	1	SR-HANDLE-ASY	STRYK HANDLE AND MOTOR ASSEMBLY
2	1	RP-AM19-41	AIR MOTOR BALL RETAINER
3	35	RP-CM-BB	STEEL BALL
4	3	RP-30-ST1-G	1 ST STAGE SPUR GEAR ASSEMBLY
5	1	RP-30-ST1	1 ST STAGE GEAR CAGE ASSEMBLY
6	3	RP-30-ST2-G	2 ND STAGE SPUR GEAR ASSEMBLY
7	1	RP-30-ST2	2 ND STAGE GEAR CAGE ASSEMBLY
8	1	RP-30-HSA	HIGH SPEED ANNULUS
9	1	RP-30-TW-HSA	HIGH SPEED THRUST WASHER
10	1	RP-CM-ORING-MA	MAIN ANNULUS O-RING
11	1	RP-30-ST3A	3 RD STAGE GEAR CAGE ASSEMBLY
12	4	RP-CM-SS-DA	DRIVE ANNULUS SET SCREW
13	1	RP-30-DA	DRIVE ANNULUS
14	1	RP-30-ST4A	DRIVE ANNULUS O-RING
15	1	RP-30-DSTA	4 TH STAGE GEAR CAGE ASSEMBLY
16	1	RP-30-TW-DS	DRIVE STAGE ASSEMBLY
17	1	RP-30-AH	DRIVE STAGE THRUST WASHER
18	1	RP-30-OR-AH	ANNULUS HEAD O-RING
19	1	RP-30-OR-DA	ANNULUS HEAD
20	1	RP-30-RR	RETAINING RING
21	1	RP-30-OR-AC	ANNULUS CAP
22	4	RP-30-AC	ANNULUS HEAD SCREW
23	1	RP-30-AH-SCREW	ANNULUS CAP O-RING



SR6000 PARTS BREAKDOWN



ITEM	QTY.	PART #	DESCRIPTION
1	1	SR-HANDLE-ASY	HANDLE AND MOTOR ASSEMBLY
2	1	RP-AM19-41	AIR MOTOR BALL RETAINER
3	35	RP-CM-BB	STEEL BALL
4	3	RP-60-ST1-G	1 ST STAGE SPUR GEAR ASSEMBLY
5	1	RP-60-ST1	1 ST STAGE GEAR CAGE ASSEMBLY
6	3	RP-60-ST2-G	2 ND STAGE SPUR GEAR ASSEMBLY
7	1	RP-60-ST2	2 ND STAGE GEAR CAGE ASSEMBLY
8	2	RP-CM-ORING-MA	MAIN ANNULUS O-RING
9	1	RP-60-HSA	HIGH SPEED ANNULUS
10	1	RP-60-ST3A	3 RD STAGE GEAR CAGE ASSEMBLY
11	4	RP-CM-SS-DA	DRIVE ANNULUS SET SCREW
12	1	RP-60-DA	DRIVE ANNULUS
13	1	RP-60-ST4A	4 TH STAGE GEAR CAGE ASSEMBLY
14	1	RP-60-ST4A-TW	4 TH STAGE THRUST WASHER
15	1	RP-60-DSTA	DRIVE STAGE ASSEMBLY
16	1	RP-60-DSTA-TW	DRIVE STAGE THRUST WASHER
17	1	RP-60-AH	ANNULUS HEAD
18	1	RP-60-OR-DA	DRIVE ANNULUS O-RING
19	1	RP-60-OR-AH	ANNULUS HEAD O-RING
20	1	RP-60-RR	RETAINING RING
21	1	RP-60-OR-AC	ANNULUS CAP O-RING
22	1	RP-60-AC	ANNULUS CAP
23	6	RP-60-AH-SCREW	ANNULUS HEAD SCREW



Troubleshooting

Reset the Servo Drive.

If an error between the Control box and the STRYK tool occurs, it is necessary to reset the servo drive. When this occurs, a window will pop up on the screen providing directions on how to reset the drive.

1. Turn drive reset switch to OFF.
2. Wait 3 seconds.
3. Turn drive reset switch to ON.
4. Press RESET button on TFT screen until error dropdown window disappears.

