



Universal Fastener Outsourcing

800-352-0028 or 479-443-9292 WWW.911-NAILS.COM



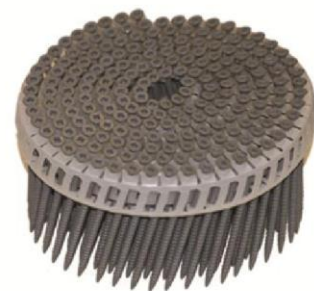
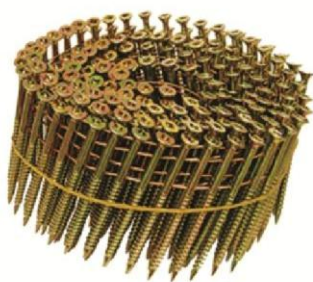
NSDCN65S OPERATION MANUAL

NSDCN65S/SP Technical Data

Length 12-1/4"
Width 5"
Height 12-1/2"
Weight 6.4lbs
Operating Pressure 70-120psi

NAIL DIMENSIONS:

15° Round Head Coil nails
Length: 1-3/4" – 2.5"
Shank diameter: .090" – .113"
Head: .224" – .276"



PACKING LIST:	QTY
NSDCN7515 COIL NAILER	1
S5 HEX KEY	1
S4 HEX KEY	1
S3 HEX KEY	1
AIR TOOL OIL	1
SAFETY GLASSES	1
BUMP OR SEQUENTIAL FIRE TRIGGER	1

Instruction Manual Contents:

- ⊙ Important Safety Rules
- ⊙ Operating Instructions
- ⊙ Maintenance
- ⊙ Troubleshooting
- ⊙ Parts List
- ⊙ Composite Fencing Installation

Description: Ballistic NailScrew® Driver: Model NO. NSDCN65S/SP is a heavy duty, coil fed, pneumatic nailer, using compressed air as power source. It is designed to drive 15° plastic sheet coil or 15° wire coil with full round head **Ballistic NailScrews®** or nails 1-1/4" to 2.5" in length and 0.086" to 0.113" in diameter. The NSDCN65S/SP was specialty designed for **UFO's Ballistic NailScrew®** program with the ease of installation and durability in mind. The power to easily drive color matched **Ballistic NailScrews®** into wood or composites into light gauge (12 to 20ga) steel frame and stop the drive when it is flush. This is possible, but must be done a little differently than what you may be used to when you are attaching wood to wood, so please follow these step by step rules when installing into steel.

- Consistent air pressure is the key to success. The closer to the compressor the better, but when long runs of 3/8" air hose are necessary, the use of a surge tank will be necessary.
- Keep the pressure high--110 to 120psi; the high velocity this creates is our friend. **Please understand this is where we are different than fastening to wood.** Always be sure to test fire into the actual material scraps, adjusting the depth of drive on the tool (**See C Fig .19**) to compensate for the excess pressure. Lower the pressure as a **last resort** and as little as necessary to get the job done.
- The NSDCN65S/SP should be sequentially fired into steel. First, place the nose of the tool where you want the fastener to be; this will depress the safety. Second, use the trigger to fire the tool in this sequence each and every time. The tool must be placed squarely and very firmly; try not to let the tool bounce off the work surface. This will give a more consistent drive and finished look.
- **When** you have a **Ballistic NailScrew®** that is too high or low, use a T15 Torx bit in a screw driver or impact driver to adjust the NailScrew®. Go very slowly to the desired depth. High rpm will strip out the NailScrew®. Go slow and you will be amazed at the results.
- This is very important! Please make sure the frames are set very firm--not springy or bouncy. If the frame moves much, it will cause the NailScrews® to be set very inconsistently.

NSDCN65S/SP



has very low noise level, making it ideal for installing **Ballistic NailScrews®** for Composite fencing to wood or steel, construction of pallets and crate assembly, composite or wood deck construction, roof decks, sub-floor, sidewall sheathing, anywhere screws are being used and you want to save time installing and still do a quality job etc. (see <http://911-nails.com>)

ONLY USE PARTS AND ACCESSORIES RECOMMENDED BY THE MANUFACTURER.

Parts & Service Contact: <http://elder-hayesinc.com> or call 1-800-769-0775

IMPORTANT! Upon receipt of your NailScrew® Driver, Read and follow all safety rules and operating instructions.

Important Safety Rules

- 1. KEEP CHILDREN AWAY.** All children should be kept away from the work area. Do not allow them to handle the tool.
- 2. USE SAFETY GLASSES AND EAR PROTECTION.** Air tool operators and others in the work area should always wear safety glasses to prevent injury from fasteners and flying debris during use and when loading and unloading this tool. Wear ear protection to safeguard against hearing loss. (See fig 1.)
- 3. NEVER USE OXYGEN, COMBUSTIBLE FUELS OR ANY OTHER BOTTLED GAS** as a power source as it will cause explosion and serious personal injury. (See fig 2.)
- 4. DO NOT CONNECT TOOL TO COMPRESSED AIR WITH PRESSURE EXCEEDING 120PSI.**
- 5. DO NOT USE AN EXCESSIVELY LONG AIR HOSE** in the working area as it will create an operator tripping hazard. Secure all connections tightly.
- 6. CARRY TOOL ONLY BY THE HANDLE** and keep finger off the trigger pull. This will allow the safety yoke mechanism to prevent the unintentional firing of fasteners.
- 7. KEEP THE TOOL POINTED AWAY FROM YOURSELF AND OTHERS** at all times. Keep hands and all body parts away from the nose area and rear area of the tool to guard against possible injury.
- 8. DISCONNECT TOOL FROM AIR SUPPLY BEFORE LOADING FASTENERS** to prevent accidental fastener firing. (See fig3.)
- 9. DO NOT DEPRESS TRIGGER OR SAFETY YOKE MECHANISM DURING FASTENER LOADING** to prevent the unintentional firing of a fastener that can cause personal injury.
- 10. DISCONNECT TOOL FROM AIR SUPPLY HOSE** and disconnect from air compressor before performing maintenance, altering accessories, or while not in operation.
- 11. DO NOT OPERATE ON SCAFFOLDINGS OR LADDERS**, and do not work in airtight containers or vehicles.
- 12. DO NOT DRIVE FASTENERS CLOSE TO THE EDGE OF THE WORK PIECE.** The work piece could split, causing the fastener to fly free or ricochet, causing personal injury.
- 13. DO NOT DRIVE FASTENERS ON TOP OF OTHER FASTENERS** or the fasteners can ricochet causing personal injury.
- 14. NEVER USE A TOOL THAT IS LEAKING AIR, HAS MISSING OR DAMAGED PARTS, OR IS IN NEED OF REPAIR.** Make sure that all screws are securely tightened.
- 15. INSPECT DAILY FOR FREE MOVEMENT** of trigger, safety mechanism and spring to insure safe and proper operation of the tool.
- 16. ONLY USE PARTS AND ACCESSORIES RECOMMENDED BY THE MANUFACTURER.**

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Fig 1.



Fig 2.

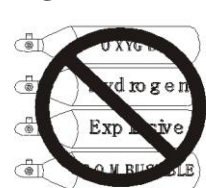
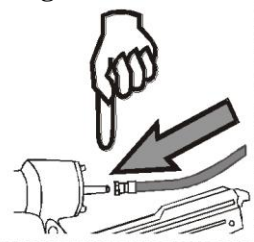


Fig 3



POWER SOURCE

This tool is designed to operate on clean, dry, compressed air at regulated pressures between 70 and 120 PSI (4.9 and 8.3 bar) (Pounds per Square Inch). The preferred system would include a filter.

CAUTION: All line components (hoses, connectors, filters, regulators, etc.) must meet 150% of the maximum system pressure. Please try to use a hose of ID 3/8" connecting nailer with compressor.

Disconnect tool from air supply before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.

PREPARING THE TOOL BEFORE DRIVING

1. After reading and understanding this entire manual, connect tool to air supply. **CAUTION:** Keep tool pointed away from you and others at all times.

Always connect tool to air supply before loading fasteners. Do not load fasteners with trigger or safety depressed. Always wear Z87 approved safety glasses, and hearing protection when preparing or operating the tool. Never use a tool that leaks air or needs repair.

2. Depress Handle and open the Latch. Rotate the Upper Nail Housing to the side of the Body. (FIG



3. The Adjuster Plate can be moved up and down by twisting the spindle and pulling up to decrease or pushing down to increase to the length of nail (FIG. 15), the Adjuster Plate should be adjusted correctly to the position indicated inside Lower Nail Housing. (FIG.16)



(FIG.15)



(FIG. 16)

4. Place a coil of nails over the Lower Nail Housing. Uncoil enough nails to reach the Feed Paw and place the second nail between the teeth on the Feed Paw.



5. Close the Nail Housing door and depress the Latch



6. Adjust directional EXHAUST deflector so that the exhaust air blast will be directed away from the operator. Grasp the deflector and rotate it to the desired position for the current application.

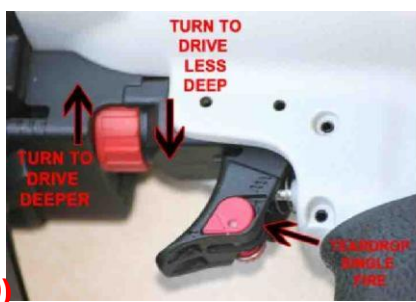


RUBBER NO-MAR TIP:



ADJUSTING THE DRIVE DEPTH:

Driving depth will be adjusted by rolling the **red** wheel (**FIG. 19**) Test fire a fastener and check depth. If the nail is driven too high, rotate the rolling wheel clockwise (right) if the nail is too deep rotate the rolling wheel counter clockwise (left). Repeat this step until you reach desired depth. The **red** tear drop on the trigger (**FIG. 19**) will allow you to change from sequential to bump fire. Reach behind the trigger and push up (**FIG. 20**) this will allow raise the **red** tear drop then you can rotate the tear drop 180° so it will drop back into trigger flush as shown in (**FIG. 21**).



(FIG. 19)



(FIG. 20)



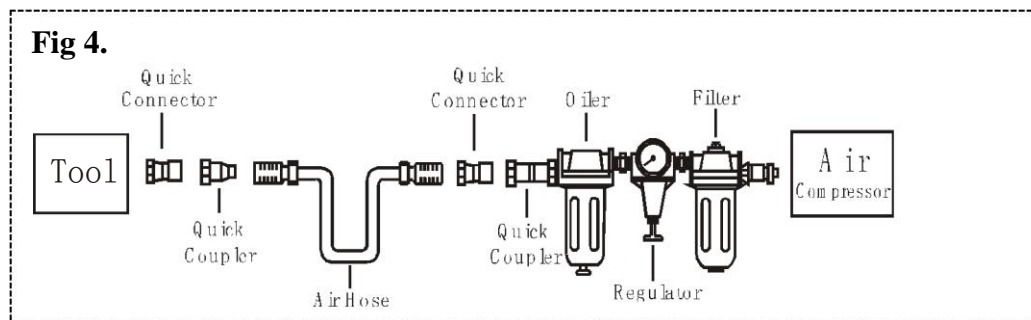
(FIG. 21)

CLEARING A JAMMED FASTENER:

1. CAUTION: Disconnect tool from air supply.
2. Open latch, rotate lower housing and remove the nails of the lower housing.
3. Use a slender, soft steel rod to drive the drive blade to its upper most position.
Use needle nose pliers to remove the jammed fastener.
4. Follow instructions in PREPARING THE TOOL BEFORE DRIVING to reload fasteners.

Service advice:

1. Use clean, dry and regulated compressed air, 8 cfm at 5.0-7.5 bar (70-120psi) and 100-120psi at the tool.
2. Never exceed the maximum and minimum pressures. Too low or too high pressure will cause noise, increased wear or misfiring.
3. When connecting the air supply, always keep hands and body from the discharge area of the tool.
4. A filter-regulator-lubrication is required and should be located as close to the tool as possible (see fig.4).
5. Keep the air filter clean. A dirty filter will reduce the air pressure to the tool, causing a reduction in power and efficiency.
6. For better performance, install a quick connector in your tool and quick coupler on the hose, if possible.
7. Make sure that all connections in the air supply system are sealed to prevent air loss.



WARNING: Never operate tool unless safety nose is in contact with work-piece. Do not operate tool without fasteners or damage to the tool may result. **Never fire fasteners into air! Fasteners may injure the operator or others, and damage to the tool may result.**

✂ Maintenance

WARNING: Disconnect the tool from the air compressor when not in use and before adjusting, clearing jams, servicing, or relocating.

- Regular lubrication. If your tool does not have an in-liner automatic oilier, place 2 to 6 drops of pneumatic tool oil into the air inlet before each work day or after 2 hours of continuous use, depending upon the characteristics of your work or type of fasteners.
- As needed, check and change all worn or damaged o-rings, seals, etc. Tighten all screws and caps to prevent personal injury.
- Inspect trigger and safety mechanisms to assure the safety system is complete and functional; guard against loose and missing parts, build-up, and binding or sticking parts.
- Keep magazine and the nose of the tool clean and free of dirt, lint or abrasive particles.
- **ONLY USE PARTS AND ACCESSORIES RECOMMENDED BY THE MANUFACTURER.**
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✖ Troubleshooting

Following are common operating problems and solutions.

Please read carefully for suggested solutions.

⚠ WARNING: If any of the following symptoms occur during tool operation, stop using the tool immediately or serious personal injury could result! Only a qualified person or an authorized service center can perform repairs or replacement of tool parts. Disconnect tool from air supply before attempting any repair or adjustment. When replacing O-rings or cylinder, lubricate with air tool oil before assembly.

SYMPTOM	PROBLEM	SOLUTIONS
Air leak near top of tool or in trigger area	<ol style="list-style-type: none"> 1. O-ring in trigger valve is damaged. 2. Trigger valve head is damaged. 3. Trigger valve stem, seal or O-ring is damaged. 	<ol style="list-style-type: none"> 1. Check and replace O-ring. 2. Check and replace. 3. Check and replace trigger valve stem, seal or O-ring.
Air leak near bottom of tool.	<ol style="list-style-type: none"> 1. Loose screws. 2. Worn or damaged O-rings or bumper. 	<ol style="list-style-type: none"> 1. Tighten screws. 2. Check and replace O-rings or bumper.
Air leak between body and cylinder cap.	<ol style="list-style-type: none"> 1. Loose screws. 2. Worn or damaged O-rings or seals. 	<ol style="list-style-type: none"> 1. Tighten screw. 2. Check and replace O-rings or bumper.
Fastener being driven too deep.	<ol style="list-style-type: none"> 1. Need to adjust depth control. 2. Air pressure is too high. 3. Worn bumper. 	<ol style="list-style-type: none"> 1. Adjust depth control (Fig. 19) 2. Adjust the air pressure. 3. Replace bumper.
Tool does not operate well: cannot drive fastener or operates sluggishly.	<ol style="list-style-type: none"> 1. Inadequate air supply. 2. Inadequate lubrication. 3. Worn or damaged O-rings or seals. 4. Exhaust port in cylinder head is blocked. 	<ol style="list-style-type: none"> 1. Verify adequate air supply. 2. Place 2 or 6 drops of oil into air inlet. 3. Check and replace O-rings or seal. 4. Replace damaged internal parts.
Tool skips fasteners.	<ol style="list-style-type: none"> 1. Incorrect dish adjustment. 2. Dirt in front plate. 3. Dirt or damage prevents fasteners from moving freely in magazine. 4. Worn or dry O-ring on feed piston or lack of lubrication. 5. Cylinder covers seal leaking. 	<ol style="list-style-type: none"> 1. See Instruction #3 (Fig. 15) 2. Clean drive channel on front plate. 3. Magazine needs to be cleaned. 4. O-ring needs to be replaced and lubricated. 5. Replace Sealing washer.
Tool jams.	<ol style="list-style-type: none"> 1. Incorrect dish adjustment. 2. Damaged or worn driver guide. 3. Magazine or nose screw loose. 4. Worn or dry O-ring on feed piston or lack of lubrication. 	<ol style="list-style-type: none"> 1. See Instruction #3 (Fig. 15) 2. Check and replace the driver. 3. Tighten the magazine. 4. O-ring needs to be replaced and lubricated

NSDCN65S

<i>Item</i>	<i>Part Number</i>	<i>Description</i>	<i>Item</i>	<i>Part Number</i>	<i>Description</i>
101	820641	SHCS BOLT	408	920548	FEED BUMPER
102	820408	WASHER	409	920549	FEED PISTON CAP
103	820320	DEFLECTOR	410	920585	C - RING
104	810643	MUFFLER	411	810331	FEEDER PAW
105	820041	RUBBER WASHER	412	810333	FEEDER SPRING
106	820163	CAP	414	920553	RETAINER
107	920164	SHCS BOLT	415	810341	FIRST STOPPER FINGER
108	820410	WASHER	416	920627	RETAINER
109	810868	COMPRESSION SPRING	417	810342	SPRING
110	820147	HEAD VALVE	418	820129	FIXED PIN
111	830314	O - RING	419	820034	FIXED PIN
112	830248	O - RING	420	820106	DOOR SHAFT PIN
113	810901	SEAL	421	820101	DOOR
114	820309	SEAL	422	920561	LATCH SPRING
115	820563	COLLAR	423	920562	DOOR LATCH
116	810636	GASKET	424	820841	ROLL PIN
117	830308	O - RING	425	820023	NAIL GUIDE
118	810012	DRIVER UNIT	426	810839	SPRING
119	810510	CYLINDER	427	820028	FIXED PIN
120	830347	O - RING	428	820648	SHCS BOLT
121	810521	CYLINDER SPACER	429	820667	SHCS BOLT
122	830359	O - RING	430	810941	SAFETY COVER
123	810529	CYLINDER RING	431	920573	NUT
124	920822	BUMPER	432	810826	SAFETY GUIDE
125	810431	CYLINDER PRESS RING	433	820833	ROLL PIN
126	820202	FLANGE	434	810806	SAFETY SPRING
201	IN KIT	O - RING	435	810717	UPPER SAFETY
202	IN KIT	O - RING	436	820534	DEPTH ADJUSTMENT
203	IN KIT	UPPER TRIGGER VALVE	437	820374	SAFETY COVER
204	IN KIT	VALVE PLUNGER	438	820536	ADJUST ROD
205	IN KIT	O - RING	439	830271	O - RING
206	IN KIT	O - RING	440	810712	LOWER SAFETY
207	IN KIT	SPRING	441	920211	E - RING
208	IN KIT	PLUNGER	442	810835	FLAT NO MAR TIP
209	IN KIT	O - RING	442	810836	POINTED NO MAR TIP
210	IN KIT	LOWER TRIGGER VALVE	443	820007	MAGAZINE COVER
211	IN KIT	ROLL PIN	444	920568	SPRING CLIP
KIT	830402	TRIGGER VALVE ASMBLY	445	920567	PULL SPRING
212	920824	ROLL PIN	446	820013	NAIL TRAY
213	920530	ROLL PIN	447	820001	MAGAZINE
221	810101	TRIGGER	448	810945	SPRING CLIP
222	810882	SPRING	449	820107	FIXED PIN
301	810206	GUN BODY UNIT	450	820047	RETAINER
302	810922	END CAP	451	920581	SHCS BOLT
303	920540	O-RING	452	920572	FLAT WASHER
401	820428	NOSE PIECE	454	920168	LOCK NUT
402	830310	O - RING	455	820429	PLASTIC SHIELD
403	820124	FEEDER PISTON	456	810540	FIXED PIN
404	920584	O - RING	457	920586	FIXED RING
405	830229	O - RING	458	920828	O - RING
407	920547	SPRING	460	830364	O - RING

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