



ENGLISH

Original Instructions

Form Z835
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INSTRUCTIONS & PARTS LIST FOR SDR10S40MX1 AIR DRILL SERIAL "A"

Read and understand these instructions before operating this tool.
SAVE THESE INSTRUCTIONS!

WARNING



When used improperly power tools can create hazardous situations.
Everyone using, maintaining, changing accessories or working near this tool must read, understand and follow these Safety Instructions!
Improperly used power tools can cause injury or death.

DRILL SAFETY



Drills can cause flying particles.
Proper eye protection must be worn at all times by tool user and bystanders.
Flying particles can cause eye injury.



Power tools generate noise.
Ear protection must be worn when tool noise level exceeds 85 dBA. We also recommend that ear protection be worn when the tool noise level is below 85 dBA. See the tool's information sheet for the noise level.
Prolonged exposure to noise can cause hearing loss.



Power tools vibrate.
Excessive vibration can cause injury. If numbness, tingling, pain or whitening of the skin occurs, stop using tool and consult a physician. See the tool's information sheet for the vibration level.
Prolonged exposure to vibration can cause injury.



Drills present a risk of entanglement.
Keep loose hair away from power tools and accessories. Keep hands away from moving parts of the tool and accessories. Do not wear jewelry, loose clothing, or neckwear around power tools. Keep work area clear of cleaning rags and all items that could become entangled with the tool.
Entanglements can cause injuries.



Drilling operations creates dust.
Do not breathe drilling dust. Use approved mask.
Breathing drilling dust can cause injury.



This tool is not insulated for contact with electric power sources.
Do not use near live electric circuits. When drilling into walls, be aware that they may have hidden electric wires.
Electric shock can cause injury.



This tool is not intended for use in a flammable or explosive atmosphere.
Do not use this tool in a flammable or explosive atmosphere.
Explosions and fire can cause injury.



When using a drill, sudden and unexpected tool movement can occur:

- When the drill bit breaks through the material being drilled.
- If the tool stalls because of being pushed too hard.
- If the bit snags on the material being drilled.

Be sure your body position allows you to have control of the tool at all times. Make sure your footing is secure.
Sudden and unexpected tool movement can cause injury.



Using excessive force on a tool makes it hard to control.
Do not force tool.
Hard to control tool can cause injury.



Taping or wiring the throttle valve in the "ON" position will prevent the tool from shutting off if the tool should jam or malfunction or if anything unexpected happens.
Do not wire or tape down the "On-Off" valve of any power tool.
Tools that are prevented from shutting off can cause injury.



Poorly maintained and lubricated tools can fail unexpectedly.
Keep tool properly lubricated and in good repair at all times. Use only Sioux Air Motor Oil No. 288. See the tool's information sheet to find out what other greases and oils to use. Do not drop the end of the hose on the floor where it will pick up dirt and transport it into the tool. See information sheet for any additional maintenance requirements.
Unexpected tool failures can cause injury.



Air hoses can come loose from power tools and whip.
Inspect and do not use tools with loose or damaged air hoses or fittings.
Whipping air hoses can cause injury.



Air hoses that are not oil resistant or are not rated for the working pressure can burst.
Make sure that all air hoses are oil resistant and rated for the working pressure.
Air hoses that burst can cause injury.





Tools not operated at proper air pressure can operate erratically.

Do not exceed a maximum air pressure of 90 psig/6.2 bar or as stated on the tool's nameplate or operating instructions. Use an air regulator to maintain proper air pressure.

Erratic operation in power tools can cause injury.



Improperly repaired tools perform unpredictably.

Repair tools at an Authorized Sioux Service Center.

Tools that perform unpredictably can cause injury.



Tools left connected to the air supply can start unexpectedly.

Always remove tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on tool. Make it a habit to check to see that all adjusting keys and wrenches have been removed from tool before turning it on.

Tools starting unexpectedly and flying keys and wrenches can cause injury.



Working in poorly lit areas makes it hard to see hazards.

Keep work area well lit.

Poorly lit work areas can cause injury.



Children are attracted to work areas.

Keep children away. All visitors must keep a safe distance away from work area.

Children in work areas can be injured.



Unauthorized or untrained personnel can misuse unattended tools.

Store idle tools in a dry, high or locked-up place, out of the reach of children.

Misused tools can cause injury.



Tools with the actuator left in the "ON" position when an unexpected air pressure loss occurs can start unexpectedly when the air pressure is restored.

Release the actuator if an unexpected loss of air pressure occurs.

Unexpected tool starts can cause injury.



Tools with the actuator left in the "on" position can cause unexpected starts when the tool is connected to the air supply.

Be sure actuator is off before hooking up air.

Unexpected starts can cause injury.



The use of any accessory with this tool not provided or specified by Sioux Tools can perform unpredictably.

Use only accessories provided or specified by Sioux Tools.

Tools that perform unpredictably can cause injury.



When disposing of a tool, do it in a way that does not harm personnel or the environment.

INTENDED USE

This tool is intended to be used with drill bits for drilling holes in wood, metal and other materials.

AIR SUPPLY

The efficiency and life of this tool depend on the proper supply of clean, dry air at a maximum of 90 PSI. The use of an air line filter, pressure regulator, and lubricator is recommended.

Before connecting to tools, blow out the air line to remove water and dirt that may have accumulated.

HOSE AND HOSE CONNECTIONS

The air supply hose recommended is 3/8" (10mm) I.D. If an extension hose is necessary, use 1/2" (13mm) ID hose with couplings not less than 3/8" (10mm) I.D.

LUBRICATION

For maximum performance and tool life, an air line lubricator, set to deliver 3 drops per minute, is recommended. SIOUX No. 288 Air Motor Oil is recommended.

If an airline lubrication is not used, it is recommended that the tool be oiled daily before use to improve performance. Add 2-4 drops of air motor oil and run the tool for 10-20 seconds to distribute oil through the tool.

Lubricate the gears through the grease fitting with Sioux 1232A grease after 100 hours of operation.

MAINTENANCE

Water, dust and other airline contaminants can cause rust and vane sticking. For long periods between tool use, flush the tool with a few drops of oil and run for 10 seconds. This will help remove contaminants and reduce the formation of rust.

⚠ WARNING

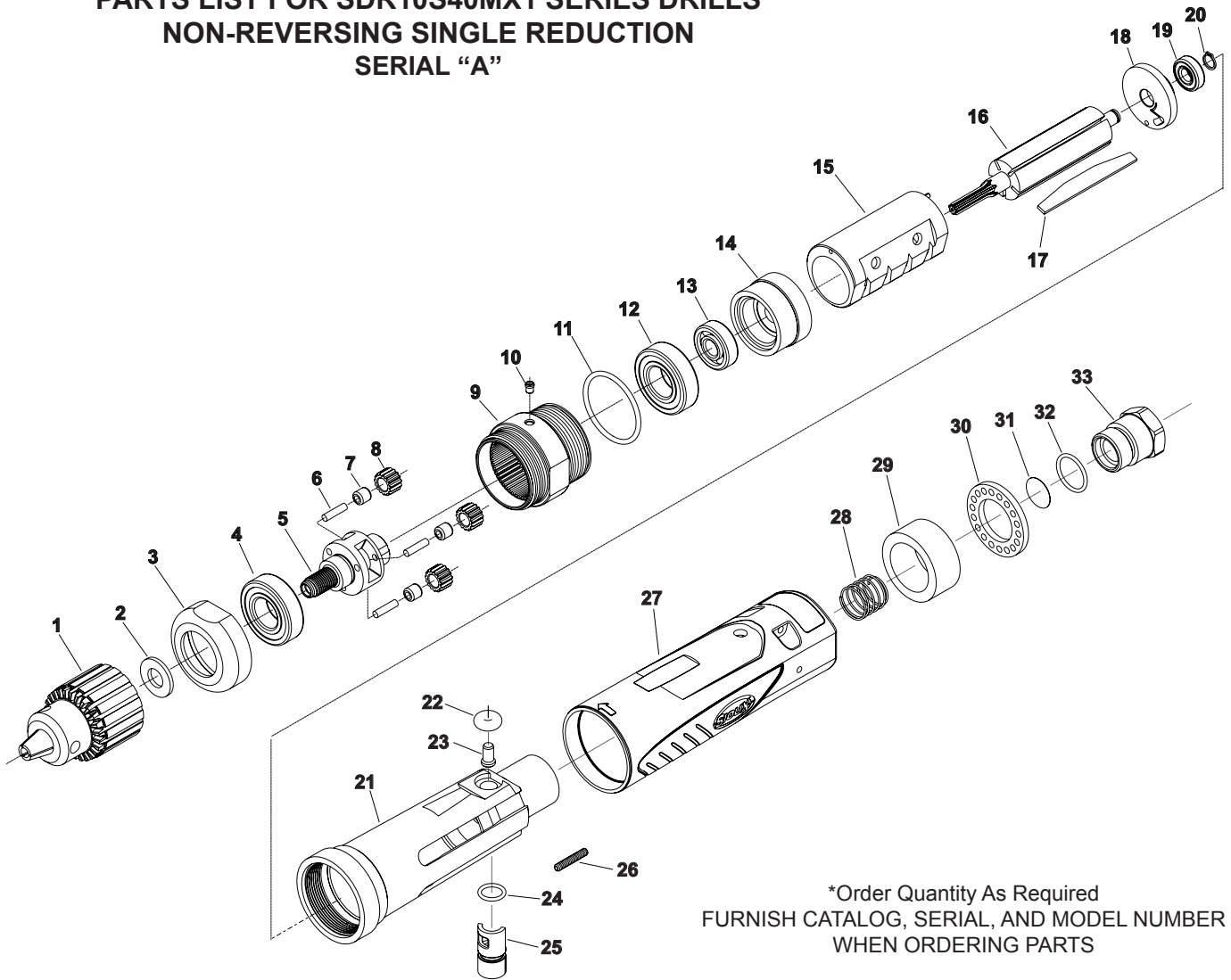


Disconnect tool from air supply before installing or removing wheel or making any adjustments

SOUND AND VIBRATION READINGS

Catalog No.	*Sound Pressure dBA	*Sound Power dBA	*Vibration m/s ²
SDR10S40MX1	TBD	TBD	TBD
	*per PN8NTC1	*per PN8NTC1	*per ISO 8662

**PARTS LIST FOR SDR10S40MX1 SERIES DRILLS
NON-REVERSING SINGLE REDUCTION
SERIAL "A"**



*Order Quantity As Required
FURNISH CATALOG, SERIAL, AND MODEL NUMBER
WHEN ORDERING PARTS

Fig. No.	Part No.	Description
1.	74347	1/4" Keyless Chuck
2.	ME5A72	Washer
3.	SDR-43	Gear Case Cap
4.	10265	Ball Bearing
5.	SDR-62	Gear Carrier (4000 RPM)(3/8" thread)
6.	SDR-24	Pin (3)*(2600 & 4000 RPM)
7.	10028B	Needle Bearing (3)*
8.	SDR-45	Planetary Gear (3)*(4000 RPM)
9.	SDR-40	Single Reduction Gear Case (Includes Fig 10)
10.	30375	Grease Fitting
11.	1433B	O-Ring
12.	ME11A33A	Bearing
13.	10220	Ball Bearing
14.	SDR-50	Front End Plate
15.	74030	Cylinder, Non-Reversing
16.	SDR-8	Rotor (10 tooth)
17.	SP74048	Vane (Set of 5)
18.	74023	Rear End Plate
19.	10253	Ball Bearing
20.	21491	Retaining Ring

Fig. No.	Part No.	Description
21.	SDG-1	Straight Non-Reversing Housing
22.	67793	O-Ring
23.	69008	Throttle Pin
24.	14290	O-Ring
25.	74013	Regulator
26.	06402	Screw, 6-32 X 3/4 Set Soc Hex
27.	66056	Spring
28.	74004	Cover
29.	74016	Muffler
30.	74017	Exhaust Deflector
31.	74011	Screen
32.	14281B	O-Ring, 1/16 X 5/8 X 3/4
33.	74012	Inlet Bushing

Complete Assemblies:

SPSDR-8SA 10 Tooth Rotor Motor Assembly (4000 RPM)
(Includes Figures 12-19)



⚠ WARNING



Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm.

⚠ ADVERTENCIA



El polvo generado al lijar, aserrar, afilar, taladrar y realizar otras tareas de construcción contiene compuestos químicos que podrían provocar cáncer, malformaciones congénitas y otras alteraciones del aparato reproductor.

