

RHINO TUFF TANKS LLC

SIDE MOUNT PUMP KIT INSTALLATION INSTRUCTIONS



TANK ASSEMBLY

TOOLS: PIPE WRENCH

1. INSTALL FOUR (4) 1-1/2" PIPE LEGS INTO COUPLERS LOCATED ON THE UNDERSIDE OF THE STAND BASE. TIGHTEN USING PIPE WRENCH



2. SET TANK ON TOP OF STAND BASE

NOTE: *TAB STUDS ON BASE WILL ALIGN WITHIN INVERTED GROOVES OF TANK WALL*



TANK ASSEMBLY

TOOLS: RUBBER Mallet (OPTIONAL)

3. SLIDE ALL EIGHT (8) SIDE CAGE BARS OVER THE TOP OF TAB STUDS ON CAGE BASE. BARS WILL FIT BETWEEN VERTICAL GROOVES OF THE TANK
4. SLIDE TWO (2) TOP FRAMEWORK BARS INTO TOP OF THE SIDE CAGE BARS. THIS CONNECTS THE CAGE COMPONENTS RUNNING PARALLEL TO THE TOP TANK GROOVES. FRAMEWORK SHOULD BE IN CONTACT WITH TOP OF TANK. USE RUBBER Mallet TO ENSURE SNUG FIT.

3.



4.



TANK ASSEMBLY

5. SLIDE REMAINING TWO (2) TOP FRAMEWORK BARS INTO TOP OF THE SIDE CAGE BARS. THIS CONNECTS THE CAGE COMPONENTS RUNNING PERPENDICULAR TO THE TOP TANK GROOVES. TOP FRAMEWORK SHOULD BE IN CONTACT WITH TOP FRAMEWORK AND TOP GROOVES OF TANK. USE RUBBER MALLET TO ENSURE SNUG FIT.

6. ILLUSTRATION OF COMPLETED FRAMEWORK ASSEMBLY:



SIDE PLATE ASSEMBLY

TOOLS: ½" WRENCH

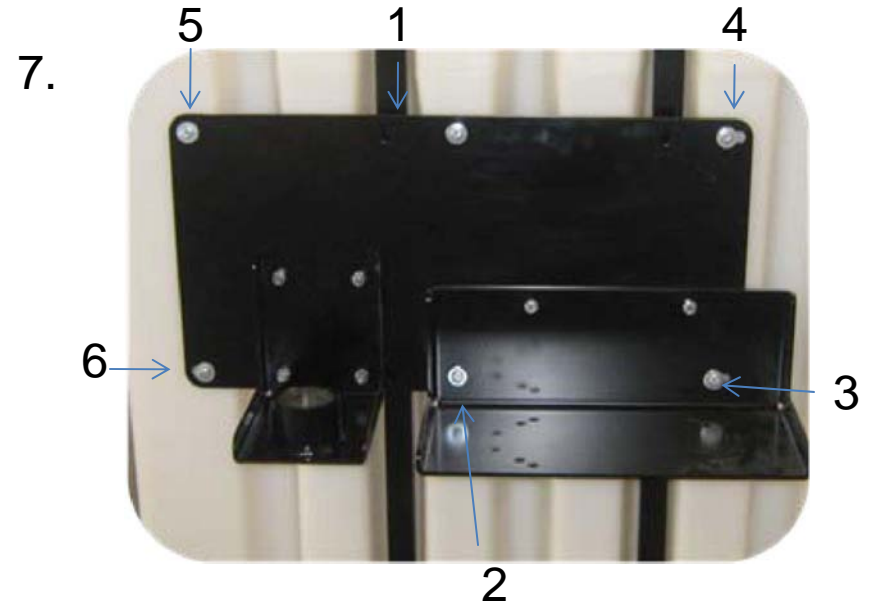
HARDWARE: (6) 5/16 X ¾" HEX
BOLTS

(6) 5/16 FLAT
WASHERS

(6) 5/16 LOCK
WASHERS

7. LOOSELY ATTACH EACH
BOLT/WASHER IN THE
SEQUENCE SHOWN TO THE
RIGHT. ONCE ALL BOLTS ARE
IN PLACE, TIGHTEN ALL WITH ½"
WRENCH

8. ILLUSTRATION OF COMPLETED
PLATE/BRACKET ASSEMBLY
ATTACHED TO TANK:



PUMP ASSEMBLY

TOOLS: 9/16" WRENCH

HARDWARE: (4) 3/8 X 1" HEX BOLT

(4) 3/8 NUT

(4) 3/8 LOCK WASHER

1. PLACE REEL ON UNIVERSAL REEL BRACKET, ALIGNING UNDERSIDE HOLES

NOTE: *UNIVERSAL REEL BRACKET WILL ACCOMMODATE HOLE PATTERN FOR MULTIPLE REEL BRANDS.*

2. INSERT (4) BOLTS THROUGH ALIGNED HOLES. USING 9/16" WRENCH, ATTACH AND TIGHTEN LOCK WASHER AND NUT TO EACH BOLT

1.



2.



PUMP ASSEMBLY

TOOLS: ¼" WRENCH

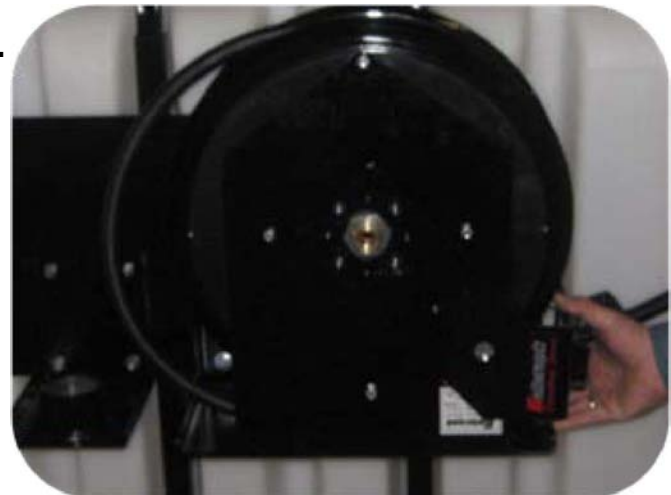
3. USING ¼" WRENCH, LOOSEN AND REMOVE ALL FOUR (4) NUTS LOCATED ON FACE OF REEL GUIDE

3.



4. ROTATE REEL GUIDE CLOCKWISE 90 DEGREES, SO HOSE IS DISPENSED FROM THE LOWER RIGHT

4.



5. RE-ATTACH REEL GUIDE AND TIGHTEN NUTS

PUMP ASSEMBLY

TOOLS: PIPE WRENCH

6. INSERT BUNG ADAPTER INTO 2" COUPLER. TIGHTEN WITH PIPE WRENCH.

7. INSERT PUMP INTO BUNG ADAPTER

8. ADJUST THE PUMP OUTLET OPENING TO FACE DIRECTLY OUTWARD FROM TANK

9. TIGHTEN BUNG ADAPTER TO SECURE PUMP INTO PLACE

8.



PUMP ASSEMBLY

TOOLS: ADJUSTABLE WRENCH

10. ATTACH ½" X 90 DEGREE SWIVELS TO BOTH TANK OUTLET OPENING AND HOSE REEL INLET OPENING. ATTACH ½" X 2' HOSE TO EACH FITTING.

11. ATTACH DISPENSING NOZZLE TO HOSE OUTLET OPENING

12. INSTALL ¼" AIR FITTINGS AND AIR FILTER/REGULATOR AS REQUIRED FOR APPLICATION. ADDITIONAL AIR HOSES AND/OR ADAPTERS MAY BE USED FOR QUICK CONNECT

10.



11.



12.



PLUMBING KIT COMPONENTS

- 1" MxF Swivel

- 1" Brass Ball Valve

- 1" Street Elbow

- 1"x2" Coupler

- 1"x2" Nipple

- 1" Steel King Nipple

- 1" HD Hose Clamp

- 1" Truck Hose

- 1" HD Hose Clamp

- 1" Steel King Nipple



PUMP ASSEMBLY

IMPORTANT!!!

IN ORDER TO PREVENT FLUID LEAK, ALL THREADED FITTINGS/COMPONENTS MUST BE PROPERLY COATED WITH AN INDUSTRY APPROVED PIPE SEALANT OR TAPE.



TOOLS: 1-3/8" WRENCH

1. USING 1-3/8" WRENCH, REMOVE NYLON PLUG FROM BRASS BUSHING ON LOWER LEFT SIDE OF TANK.



PUMP ASSEMBLY

TOOLS: PIPE WRENCH

SECURELY TIGHTEN EACH
OF THE FOLLOWING
CONNECTIONS:

2. INSERT 1" X 2" NIPPLE INTO BRASS BUSHING OF TANK
3. ATTACH 1" X 2" COUPLER TO THE END OF THE NIPPLE
4. ATTACH 1" STREET ELBOW TO THE END OF THE COUPLER. ELBOW MUST FINISH IN THE VERTICAL POSITION
5. ATTACH 1" STEEL KING NIPPLE INTO END OF STREET ELBOW

2.



3.



4.



5.



PUMP ASSEMBLY

TOOLS: ADJUSTABLE WRENCH

SECURELY TIGHTEN EACH
OF THE FOLLOWING
CONNECTIONS:

6. INSERT 1" SWIVEL INTO
PUMP INLET 1" OPENING
7. INSERT 1" BALL VALVE INTO
SWIVEL OPENING
8. INSERT 1" STEEL KING
NIPPLE INTO BALL VALVE
OPENING



PUMP ASSEMBLY

TOOLS: TAPE MEASURE 9.
UTILITY KNIFE
WIRE CUTTER
ADJUSTABLE WRENCH



9. MEASURE LENGTH TO CUT
TRIMMABLE SUCTION HOSE

10. USING UTILITY KNIFE AND WIRE
CUTTER, CUT SUCTION HOSE
TO LENGTH

11. PLACE HOSE CLAMP ON EACH
END OF SUCTION HOSE. SLIDE
EACH END OF SUCTION HOSE
OVER BARBED ENDS OF
NIPPLE. SECURELY TIGHTEN
HOSE CLAMPS WITH
ADJUSTABLE WRENCH

11.



DESICCANT AIR BREATHER SETUP

TOOLS: NONE

1. REMOVE 1" NYLON HEX PLUG FROM TOP LEFT SIDE TANK OPENING
2. SCREW THREADED PVC SLIP FITTING INTO 1" THREADED OPENING
3. INSERT FRICTION-FIT PVC 90 DEGREE ELBOW INTO SLIP FITTING. OPENING MUST BE POINTING VERTICALLY. PVC ADHESIVE MAY BE USED TO SECURE FITTING POSITION.
4. INSERT DESICCANT BREATHER CARTRIDGE. THIS IS A FRICTION-FIT ADAPTER AS WELL.



DESICCANT AIR BREATHER SETUP

5. FINALLY, PULL THE “WARNING” TAB, WHICH WILL REMOVE THE RUBBER GASKET FROM THE UNDERSIDE OF THE BREATHER CAP. THIS OPENS THE BREATHER AND WILL ALLOW AIR TO PASS THROUGH DURING FILL AND DISPENSING.

**AS THE DESICCANT SILICONE BEADS BECOME SATURATED WITH MOISTURE, THEY WILL CHANGE COLOR, FROM BRIGHT YELLOW TO A DARK GREEN. ONCE THE FILTER BECOMES SATURATED, REPLACE IT WITH A NEW ONE



ASSEMBLED SYSTEM

