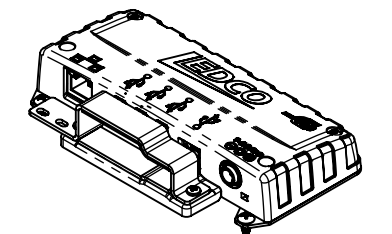


INSTALLATION INSTRUCTIONS:

1. REMOVE 4X 1/4-20 BHCS FROM DOCK AND REMOVE MOUNTING BRACKET.
 2. ALIGN HOLES IN TUFFHUB WITH HOLES ON BOTTOM SIDE OF DOCK. ATTACH USING 2X #6-32 X 1/4" PAN HEAD SCREWS, AS SHOWN. TORQUE AS SHOWN.
 3. REPLACE MOUNTING BRACKET TO INITIAL POSITION AND REPLACE 4X 1/4-20 X 5/8 BHCS AND FASTEN. SEE DOCK INSTALLATION INSTRUCTION SHEET FOR TORQUE SPECIFICATIONS.
 4. LOOSEN 2X #4-40 X 1/4" PAN HEAD SCREW TO ALLOW CLEARANCE FOR USB CABLE CONNECTORS. PLUG IN USB CABLES AND TIGHTEN STRAIN RELIEF BRACKET. TORQUE 2X #4-40 X 1/4" PAN HEAD SCREW , AS SHOWN.
 5. IF USB CONNECTORS ARE NOT USB 2.0 COMPLIANT IN SIZE AND/OR ARE NARROWER THAN THE USB 2.0 SPECIFICATION, EXTRA FOAM STRIPS (INCLUDED) MAY BE USED FOR FURTHER SUPPORT BY ADHERING ONE TO THE TOP OF EACH OF THE EXISTING FOAM PADS.
 6. IF NECESSARY, THE ZIP TIE MAY BE LOOPED THRU THE TWO SLOTS IN THE STRAIN RELIEF BRACKET AND AROUND THE ETHERNET (RJ45) CABLE FOR ADDED STRAIN RELIEF.
 7. IF MOUNTING TUFFHUB TO A SURFACE OTHER THAN DOCK, USE 3X #6-32 X 1/4" PAN HEAD THREAD-FORMING SCREW AS SHOWN IN ILLUSTRATION A, OR OTHER APPROPRIATE SCREW. TORQUE TO RECOMMENDED INDUSTRY STANDARDS.
- NOTE: IF THE CORRECT MOUNTING HOLES ARE NOT PRESENT ON THE DOCK, A RETRO FIT KIT MUST BE INSTALLED TO THE TUFFHUB PRIOR TO INSTALLATION. SEE HUB.RFK.X INSTALLATION INSTRUCTION SHEET, AS REQUIRED.**



HARDWARE KIT CONTENTS:

DESCRIPTION	QTY.
SCREW #6-32 X 1/4" PH w/ PATCH	2
SCREW #6-32 X 1/4" THREAD-FORMING PH	3
ADHESIVE BACKED FOAM STRIP	2
ZIP TIE, 4" L x .09" W, 15# TENSILE	1

PRODUCT I.D. HUB.USB3.E	DATE 01-10-08
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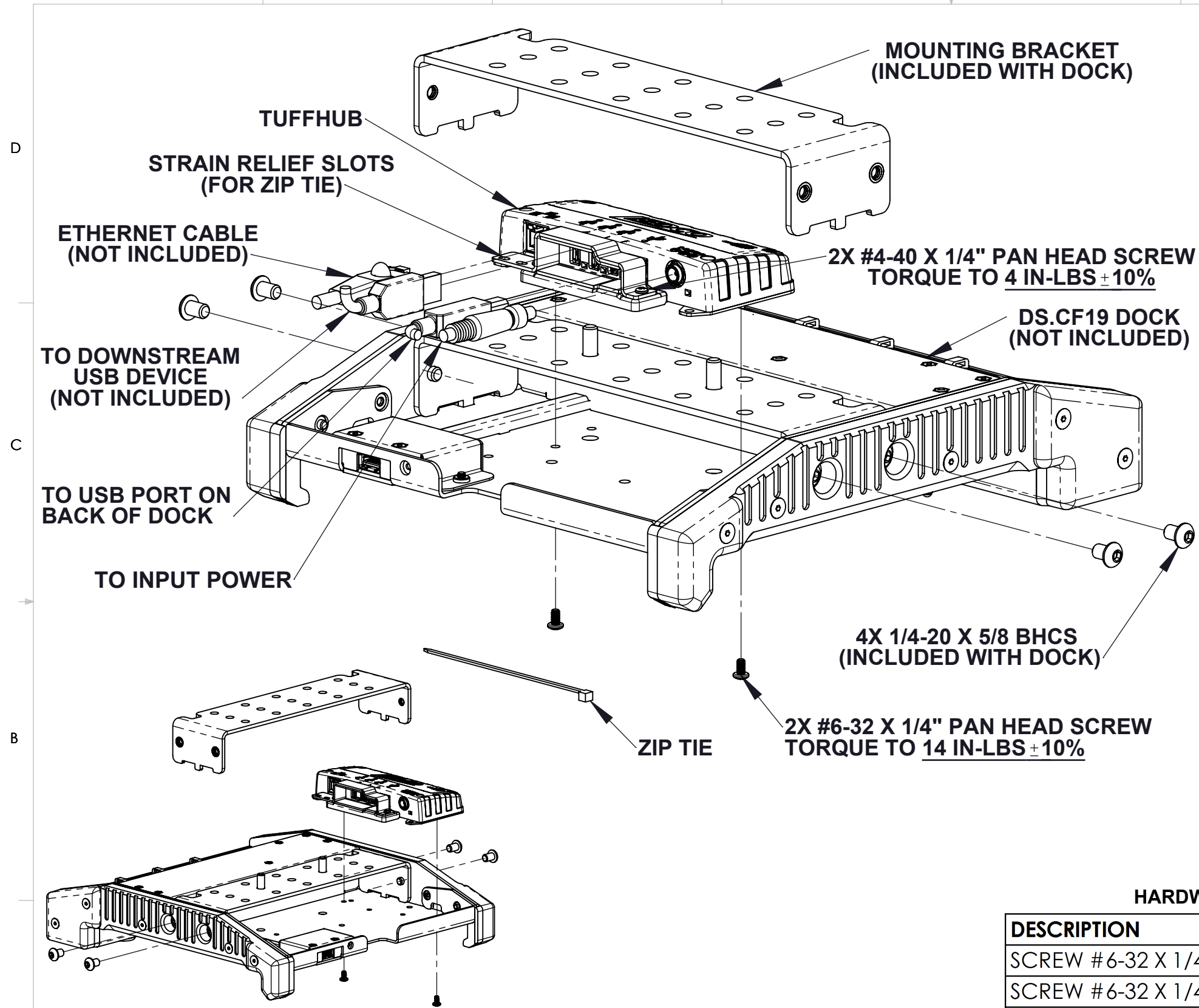
PRODUCT NAME
TUFFHUB (DS.CFX DOCK)

LED CO	WEIGHT: (LBS) 0.41
877-88-LED CO www.ledco.net	REV. DATE 04-15-09

DRAWING NUMBER:
EN-0034-IS-B
(SHEET 1 OF 3)

WARNING: ALL LEDCO PRODUCTS ARE DESIGNED WITH SAFETY OF USE AND INSTALLATION IN MIND. HOWEVER, IT IS THE SOLE RESPONSIBILITY OF THE OWNER/OPERATOR OF A VEHICLE USING LEDCO MOUNTING AND DOCKING EQUIPMENT, TO INSURE THAT THE EQUIPMENT IS INSTALLED SO THAT IT WILL NOT INTERFERE WITH VEHICLE OPERATION, INTERFERE WITH SAFETY DEVICES, OBSTRUCT VIEW OF DRIVING CONDITIONS, OR IN ANY WAY DEGRADE OCCUPANT SAFETY. IMPROPER INSTALLATION CAN CAUSE SERIOUS INJURY IN THE EVENT OF AN ACCIDENT. INSTALLATION SHOULD ONLY BE PERFORMED BY QUALIFIED PROFESSIONALS. COMPUTERS AND MOTION DEVICES MUST BE MOVED TO AND STOWED/SECURED IN THEIR SAFE DRIVING POSITIONS BEFORE OPERATING VEHICLE.

PRODUCT DESCRIPTION
HUB.USB3.E MOUNTED TO A LEDCO DS.CFX TYPE DOCK



INSTALLATION INSTRUCTIONS:

1. REMOVE 4X 1/4-20 BHCS FROM DOCK AND REMOVE MOUNTING BRACKET.
2. ALIGN HOLES IN TUFFHUB WITH HOLES ON BOTTOM SIDE OF DOCK. ATTACH USING 2X #6-32 X 1/4" PAN HEAD SCREWS, AS SHOWN. TORQUE AS SHOWN. TUFFHUB MAY ALSO BE ATTACHED VERTICALLY ON DS.CF19, AS SHOWN IN ILLUSTRATION B.
3. REPLACE MOUNTING BRACKET TO INITIAL POSITION AND REPLACE 4X 1/4-20 X 5/8 BHCS AND FASTEN. SEE DOCK INSTALLATION INSTRUCTION SHEET FOR TORQUE SPECIFICATIONS.
4. LOOSEN 2X #4-40 X 1/4" PAN HEAD SCREW TO ALLOW CLEARANCE FOR USB CABLE CONNECTORS. PLUG IN USB CABLES AND TIGHTEN STRAIN RELIEF BRACKET. TORQUE 2X #4-40 X 1/4" PAN HEAD SCREW, AS SHOWN.
5. IF USB CONNECTORS ARE NOT USB 2.0 COMPLIANT IN SIZE AND/OR ARE NARROWER THAN THE USB 2.0 SPECIFICATION, EXTRA FOAM STRIPS (INCLUDED) MAY BE USED FOR FURTHER SUPPORT BY ADHERING ONE TO THE TOP OF EACH OF THE EXISTING FOAM PADS.
6. IF NECESSARY, THE ZIP TIE MAY BE LOOPED THRU THE TWO SLOTS IN THE STRAIN RELIEF BRACKET AND AROUND THE ETHERNET (RJ45) CABLE FOR ADDED STRAIN RELIEF.
7. IF MOUNTING TUFFHUB TO A SURFACE OTHER THAN DOCK, USE 3X #6-32 X 1/4" PAN HEAD THREAD-FORMING SCREW AS SHOWN IN ILLUSTRATION A (SHEET 1), OR OTHER APPROPRIATE SCREW. TORQUE TO RECOMMENDED INDUSTRY STANDARDS.

NOTE: IF THE CORRECT MOUNTING HOLES ARE NOT PRESENT ON THE DOCK, A RETRO FIT KIT MUST BE INSTALLED TO THE TUFFHUB PRIOR TO INSTALLATION. SEE HUB.RFK.19 INSTALLATION INSTRUCTION SHEET, AS REQUIRED.

HARDWARE KIT CONTENTS:

DESCRIPTION	QTY.
SCREW #6-32 X 1/4" PH w/ PATCH	2
SCREW #6-32 X 1/4" THREAD-FORMING PH	3
ADHESIVE BACKED FOAM STRIP	2
ZIP TIE, 4" L x .09" W, 15# TENSILE	1

ILLUSTRATION B
ALTERNATE DS.CF19 MOUNTING LOCATION

DRAWING NUMBER:
EN-0034-IS-B
(SHEET 2 OF 3)

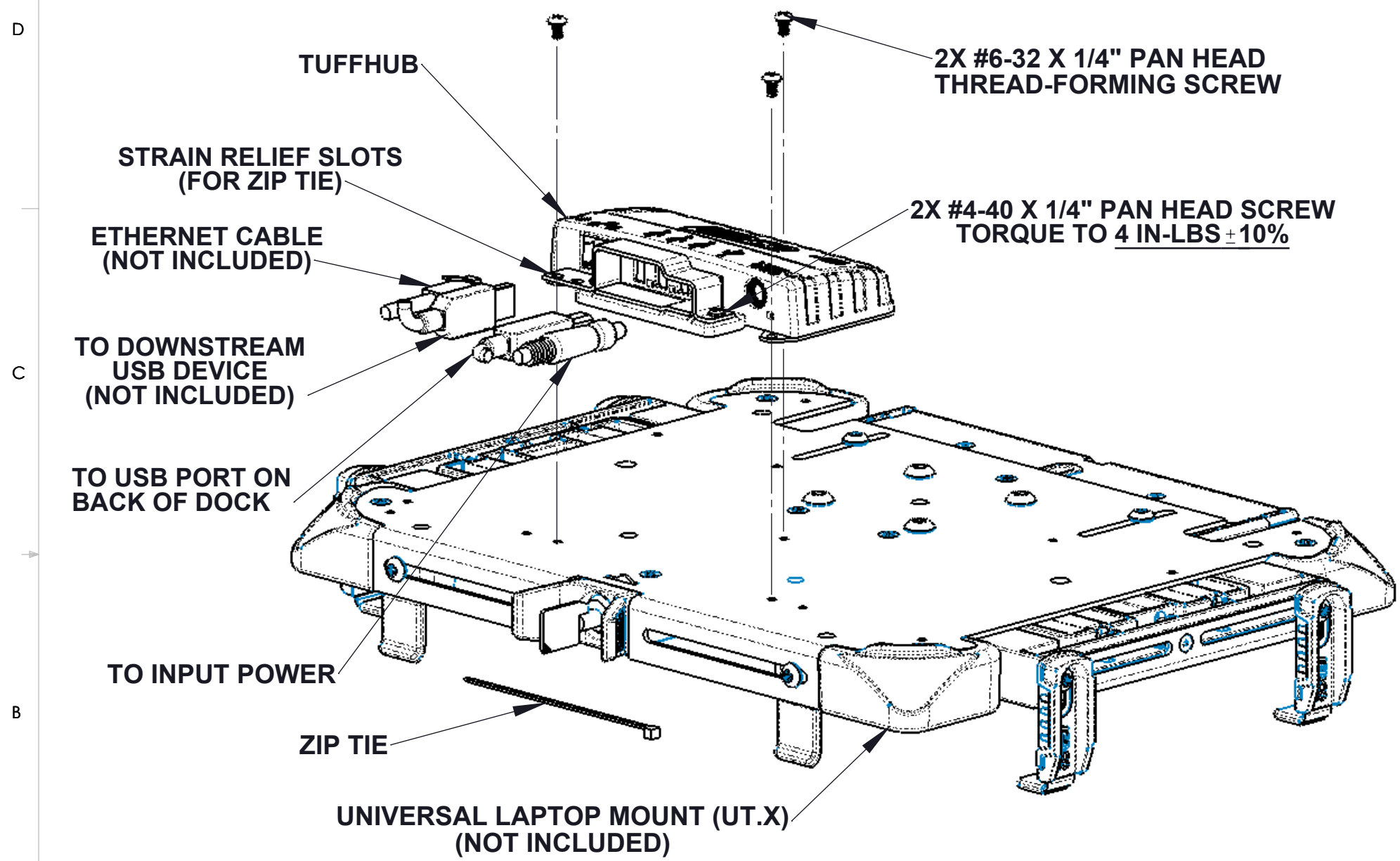
WARNING: ALL LEDCO PRODUCTS ARE DESIGNED WITH SAFETY OF USE AND INSTALLATION IN MIND. HOWEVER, IT IS THE SOLE RESPONSIBILITY OF THE OWNER/OPERATOR OF A VEHICLE USING LEDCO MOUNTING AND DOCKING EQUIPMENT, TO INSURE THAT THE EQUIPMENT IS INSTALLED SO THAT IT WILL NOT INTERFERE WITH VEHICLE OPERATION, INTERFERE WITH SAFETY DEVICES, OBSTRUCT VIEW OF DRIVING CONDITIONS, OR IN ANY WAY DEGRADE OCCUPANT SAFETY. IMPROPER INSTALLATION CAN CAUSE SERIOUS INJURY IN THE EVENT OF AN ACCIDENT. INSTALLATION SHOULD ONLY BE PERFORMED BY QUALIFIED PROFESSIONALS. COMPUTERS AND MOTION DEVICES MUST BE MOVED TO AND STOWED/SECURED IN THEIR SAFE DRIVING POSITIONS BEFORE OPERATING VEHICLE.

PRODUCT DESCRIPTION
HUB.USB3.E MOUNTED TO A LEDCO DS.CF19 TYPE DOCK

PRODUCT I.D.	DATE
HUB.USB3.E	01-10-08
PRODUCT NAME	
TUFFHUB (DS.CF19 DOCK)	
LEDCO	WEIGHT: (LBS)
877-88-LEDCO www.ledco.net	0.41
	REV. DATE
	04-15-09

INSTALLATION INSTRUCTIONS:

1. ALIGN HOLES IN TUFFHUB WITH HOLES ON BOTTOM SIDE OF UNIVERSAL TRAY (UT.X). ATTACH USING 3X #6 X 1/4" PAN HEAD THREAD-FORMING SCREW, AS SHOWN.
2. TORQUE SCREWS UNTIL HEAD OF SCREW MAKES CONTACT WITH TUFFHUB MOUNTING PLATE. ONCE CONTACT IS MADE, TORQUE TO 8 ± 10% IN-LBS.
3. LOOSEN 2X #4-40 X 1/4" PAN HEAD SCREW TO ALLOW CLEARANCE FOR USB CABLE CONNECTORS. PLUG IN USB CABLES AND TIGHTEN STRAIN RELIEF BRACKET. TORQUE 2X #4-40 X 1/4" PAN HEAD SCREW , AS SHOWN.
4. IF USB CONNECTORS ARE NOT USB 2.0 COMPLIANT IN SIZE AND/OR ARE NARROWER THAN THE USB 2.0 SPECIFICATION, EXTRA FOAM STRIPS (INCLUDED) MAY BE USED FOR FURTHER SUPPORT BY ADHERING ONE TO THE TOP OF EACH OF THE EXISTING FOAM PADS.
5. IF NECESSARY, THE ZIP TIE MAY BE LOOPED THRU THE TWO SLOTS IN THE STRAIN RELIEF BRACKET AND AROUND THE ETHERNET (RJ45) CABLE FOR ADDED STRAIN RELIEF.
6. IF MOUNTING TUFFHUB TO A SURFACE OTHER THAN UT.X, USE 3X #6-32 X 1/4" PAN HEAD THREAD-FORMING SCREW AS SHOWN IN ILLUSTRATION A (SHEET 1), OR OTHER APPROPRIATE SCREW. TORQUE TO RECOMMENDED INDUSTRY STANDARDS.



HARDWARE KIT CONTENTS:

DESCRIPTION	QTY.
SCREW #6-32 X 1/4" PH w/ PATCH	2
SCREW #6-32 X 1/4" THREAD-FORMING PH	3
ADHESIVE BACKED FOAM STRIP	2
ZIP TIE, 4" L x .09" W, 15# TENSILE	1

PRODUCT I.D. HUB.USB3.E	DATE 01-10-08
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PRODUCT NAME
TUFFHUB
(UNIVERSAL LAPTOP MOUNT SERIES)

LED CO 877-88-LED www.ledco.net	WEIGHT: (LBS) 0.41
	REV. DATE 04-15-09

DRAWING NUMBER:
EN-0034-IS-B
(SHEET 3 OF 3)

WARNING: ALL LEDCO PRODUCTS ARE DESIGNED WITH SAFETY OF USE AND INSTALLATION IN MIND. HOWEVER, IT IS THE SOLE RESPONSIBILITY OF THE OWNER/OPERATOR OF A VEHICLE USING LEDCO MOUNTING AND DOCKING EQUIPMENT, TO INSURE THAT THE EQUIPMENT IS INSTALLED SO THAT IT WILL NOT INTERFERE WITH VEHICLE OPERATION, INTERFERE WITH SAFETY DEVICES, OBSTRUCT VIEW OF DRIVING CONDITIONS, OR IN ANY WAY DEGRADE OCCUPANT SAFETY. IMPROPER INSTALLATION CAN CAUSE SERIOUS INJURY IN THE EVENT OF AN ACCIDENT. INSTALLATION SHOULD ONLY BE PERFORMED BY QUALIFIED PROFESSIONALS. COMPUTERS AND MOTION DEVICES MUST BE MOVED TO AND STOWED/SECURED IN THEIR SAFE DRIVING POSITIONS BEFORE OPERATING VEHICLE.

PRODUCT DESCRIPTION
**HUB.USB3.E MOUNTED TO A LEDCO
UT.X UNIVERSAL LAPTOP MOUNT**