



HARTZELL PROPELLER INC.

2016

TRAINING CLASS SCHEDULE

AND RESERVATION FORM

Students are required to read, speak, and understand English.

Customer training by Hartzell Propeller is conducted in Piqua, Ohio at our state-of-the-art manufacturing facility. Classroom instruction includes theoretical and practical approaches in addition to “hands-on” instruction. Class sizes are maintained at a level that encourages individual participation.

Reservation forms and fees should be submitted as early as possible. Due to the high demand for some of the classes, spaces are filled on a “first come first served” basis. A “waiting list” is available.

- (1) If multiple persons register from a single facility, all reservations will be honored when possible. However, Hartzell may require your facility to cancel one or more of your proposed attendees if class demand is high in order to assure attendance from as many facilities as possible.
- (2) Reservations must be received no later than 30 days prior to the class start date.
- (3) All students are subject to security screening, and must provide Hartzell with a scanned copy of photo identification no later than 30 days prior to class start date.
- (4) Students with Net 30 credit terms or paying via credit card will be invoiced immediately upon Hartzell acceptance of reservation form. Hartzell will reserve a guaranteed training slot for that student.
- (5) Students paying by check or wire transfer will be emailed a proforma invoice immediately upon Hartzell acceptance of reservation form. Full payment is required at least 30 days prior to class start date, or reservations are subject to cancellation.
- (6) Notify Hartzell Propeller of attendance cancellations at least two weeks in advance of the class, or a 50% cancellation fee will apply.
- (7) Classes may be added or cancelled at the discretion of the Hartzell training department. If possible, at least 30 days notice will be given if a class is to be cancelled. If applicable, payment will be refunded or credited for a future class.
- (8) A class with an insufficient number of attendees will be cancelled 4 weeks before the beginning of the class.

The Hartzell factory street address is: 1 Propeller Place, Piqua, Ohio approximately 20 miles (32 km) north of the Dayton International Airport (DAY). Rental car agencies (Budget, Avis, Alamo, Hertz, or Dollar) are located at DAY airport. **IMPORTANT:** There is no public transportation available in Piqua.

- (1) Class attendees will be met in the main lobby of Hartzell Propeller at approximately 8:50 a.m
- (2) Classes typically end between 4:00 and 5:00 p.m.
- (3) Please do not schedule departing flights before 6:00 p.m. on the last day of the class.

Off-Site Training

Customer off-site training for select classes may be available on request, and is subject to instructor availability. Travel expenses, per diem, and class fees may apply in these cases. Customer on-site training class fees are \$1,700.00 per day, including travel days. Customer is also responsible for shipping costs of all related training tools, equipment, and supplies. All pricing is subject to change without notice.

Contact Hartzell Product Support to enquire about on-site training.

E-mail: training@hartzellprop.com

Rev 7-19-16

Recommended Hotels:

Fairfield Inn & Suites

83 Troy Town Dr, Troy, OH 45373

**Hartzell Rate - \$82.00/night for king plus tax - \$73.00/night for double plus tax
(937) 332-1446**

- Complimentary breakfast bar
- Indoor/Outdoor pool and whirlpool
- Television/HBO
 - Complimentary Wired & Wireless Internet
- Shuttle service to/from airport and Hartzell facility
- Fitness room
- Restaurants and shops nearby

Residence Inn

87 Troy Town Dr, Troy, OH 45373

**Hartzell Rate - \$108.00/night for studio plus tax - \$116.00/night for two bedroom
suite (937) 440-9303**

- Complimentary breakfast bar
- Complimentary evening social hour (Mon-Fri)
 - Complimentary Wired & Wireless Internet
- Fully equipped kitchens
- Complimentary grocery shopping service
- Television/HBO
- Outdoor/Indoor pool
- Shuttle service to/from airport and Hartzell facility
- Fitness room and Basketball court
- Restaurants and shops nearby

Comfort Inn

Miami Valley Centre Mall, 987 E Ash St, Piqua, OH 45356

**Hartzell Rate - \$74.00/night for king/double plus tax
(937) 778-8100**

- Complimentary breakfast bar
- Complimentary Wired & Wireless Internet
- Indoor pool and whirlpool
- Television/HBO
- Attached to Miami Centre Mall
- No shuttle service

* If shuttle service is required we recommend Fairfield Inn or Residence Inn

Hotel rates are current as of 12/15/15; subject to change.

2016 Training at a Glance

February

4-Blade Lightweight Turbine Prop Familiarization w/ Composite Blade Minor Repair, 9th - 12th

March

5 Blade Lightweight Turbine Prop Familiarization w/ Composite Blade Minor Repair, 15th - 18th

April

Legacy & ASCII Composite Blade Overhaul, Major Repair and Recertification, 11th - 15th

Steel Hub Turbine Propeller Familiarization, 26th - 28th

June

ASCII Composite Blade Overhaul, Major Repair and Recertification, May 31 - June 3rd

Hartzell Propeller Technical Training Conference, 5th - 8th

ASCII Composite Blade Overhaul, Major Repair and Recertification^{*}, 8th - 10th

^{}students in this class must also attend Hartzell Propeller Technical Conference for pre-requisite content*

Compact Propeller Familiarization and Basic Field Maintenance, 22nd- 24th

September

Dornier Do328 Propeller Familiarization and Composite Blade Minor Repair^{}, 12th - 16th**

*^{**} Do328 prop class participation is restricted to Do328-affiliated customers; contact Hartzell Product Support for details*

October

ASCII Composite Blade Overhaul, Major Repair and Recertification, 18th - 21st

4-Blade Lightweight Turbine Propeller Familiarization and Composite Blade Minor Repair

February 9th - 12th (Tuesday - Friday)

Class enrollment is limited to 6 persons with a 4 person minimum.

Attendee Prerequisites: Familiar with aircraft maintenance procedures and practices.
Propeller Repair Station or aircraft operator affiliation

The first two days of the course provides hands-on propeller assembly and disassembly . The last day of the course provides blade field maintenance including de-ice boot installation and removal

Topics and Training

Objectives

Days 1 and 2

Propeller Components and Operation	Familiarization With The Individual Propeller Components and Their Specific Operation
Propeller Disassembly	Understanding Required Procedures for Propeller Disassembly
Propeller Assembly and Set-up	Present Required Tooling And Procedures Demonstrate Propeller Assembly and Set-up
Propeller Maintenance & Repair	Present Specific Line Maintenance Procedures And Periodic Inspections Requirements
Service Information	Discuss Service Information Affecting Lightweight Turbine Propellers

Days 3-4

Composite Blade Inspection	Determine Airworthy vs. Non-Airworthy Damage
Allowable Field Repairs	Perform Hands-on Repair of Minor Composite Blade Damage per Hartzell Manual 170*
De-ice Boot	De-ice Boot Installation and Removal

*Note: Completing this class does NOT qualify students to perform composite blade major repair or lead edge replacement.

Class Fee:

The fee for this class is \$2800.00 per student.

5-Blade Lightweight Turbine Propeller Familiarization and Composite Blade Minor Repair

March 15th - 18th (Tuesday - Friday)

Class enrollment is limited to 6 persons with a 4 person minimum.

Attendee Prerequisites: Familiar with aircraft maintenance procedures and practices.
Propeller Repair Station or aircraft operator affiliation

The first two days of the course provides hands-on propeller assembly and disassembly . The last day of the course provides blade field maintenance including de-ice boot installation and removal

Topics and Training

Objectives

Days 1 and 2

Propeller Components and Operation	Familiarization With The Individual Propeller Components and Their Specific Operation
Propeller Disassembly	Understanding Required Procedures for Propeller Disassembly
Propeller Assembly and Set-up	Present Required Tooling And Procedures Demonstrate Propeller Assembly and Set-up
Propeller Maintenance & Repair	Present Specific Line Maintenance Procedures And Periodic Inspections Requirements
Service Information	Discuss Service Information Affecting Lightweight Turbine Propellers

Days 3-4

Composite Blade Inspection	Determine Airworthy vs. Non-Airworthy Damage
Allowable Field Repairs	Perform Hands-on Repair of Minor Composite Blade Damage per Hartzell Manual 170*
De-ice Boot	De-ice Boot Installation and Removal

*Note: Completing this class does NOT qualify students to perform composite blade major repair or lead edge replacement.

Class Fee:

The fee for this class is \$2800.00 per student.

Legacy and ASC-II* Composite Blade Overhaul/Major Repair Certification, including Lead Edge Replacement Training

April 11th - 16th (Tuesday - Friday)

Class enrollment is limited to 6 persons with a 4 person minimum.

Attendee Prerequisites: Familiar with aircraft maintenance procedures and practices.
Propeller Repair Station affiliation

This course provides certification approval for a facility not yet approved for major repair/overhaul of Hartzell composite blades including Hartzell Legacy and ASC II (N-shank) blades. Course attendance also provides for recertification of facilities already approved for major repair/overhaul of Hartzell Legacy and ASC II (N-shank) blades.

<u>Topics and Training</u>	<u>Objectives</u>
Inspection Techniques	Understanding Of Required Inspections And Procedures
Composite Blade Damage Evaluation	Determination Of Field Repairable Damage Or Factory Only Repairable Damage
Composite Major Repairs	Minor and Major Repair, Overhaul Procedures for Legacy and ASC II Blades*, including Basic Lead Edge Replacement Training**
Composite Blade Finish & Assembly	View Proper Finish And Assembly Procedures

*Class covers major repair & overhaul of BOTH ASC-II (N-shank) and Legacy composite blades.

**Full composite blade Lead Edge Replacement Certification also requires lead edge replacement sample approvals for each desired blade "Family"; see Hartzell Manual 135F for details.)

Class Fee:

The fee for this class is \$3500.00 per student

Steel Turbine Propeller Familiarization

April 26th - 28th (Tuesday - Thursday)

Class enrollment is limited to 6 persons with a 4 person minimum.

Attendee Prerequisites: Familiar with aircraft maintenance procedures and practices.
Propeller Repair Station affiliation.

The course provides hands-on propeller assembly, disassembly, and basic field maintenance.

Topics and Training

Objectives

Propeller Receiving & Initial Inspection	Identification of Propeller Assembly Perform Receiving Inspection and Identify Damage
Propeller Disassembly	Understanding Required Procedures for Propeller Disassembly
Propeller Maintenance & Repair	Present Specific Line Maintenance Procedures And Periodic Inspections Requirements
Special Processes	Understanding Of Required Special Processes Review Of Hartzell Sample Approval Program
Propeller Assembly, Set-up	Present Required Tooling And Procedures Demonstrate Propeller Assembly, Set-up
Service Information	Discuss Service Information Affecting Steel Turbine Propellers

Class Fee:

The fee for the three day class is \$1750.00 per student.

ASC-II* (N-shank)-Only Composite Blade Overhaul/Major Repair Certification, including Lead Edge Replacement Training

Class enrollment is limited to 6 persons with a 4 person minimum.

May 31st - June 3rd (Tuesday - Friday)

June 8th - 10th*** (Wednesday - Friday)

October 18th - 21st (Tuesday - Friday)

Attendee Prerequisites: Familiar with aircraft maintenance procedures and practices.
Propeller Repair Station affiliation

This course provides certification approval for a facility not yet approved for major repair/overhaul of Hartzell ASC II (N-shank) composite blades. Course attendance also provides for recertification of facilities already approved for major repair/overhaul of Hartzell ASC II (N-shank) and/or Legacy blades.

Topics and Training

Objectives

Inspection Techniques	Understanding Of Required Inspections And Procedures
Composite Blade Damage Evaluation	Determination Of Field Repairable Damage Or Factory Only Repairable Damage
Composite Major Repairs	Minor and Major Repair, Overhaul Procedures for Legacy and ASC II Blades*, including Basic Lead Edge Replacement Training***
Composite Blade Finish & Assembly	View Proper Finish And Assembly Procedures

*Class covers major repair & overhaul of ONLY ASC-II (N-shank) composite blades.

**Full composite blade Lead Edge Replacement Certification also requires lead edge replacement sample approvals for each desired blade "Family"; see Hartzell Manual 135F for details.)

***Students in this class must also attend Hartzell Propeller Technical Conference (June 5-8) for pre-requisite content

Class Fee:

The fee for this class is \$2800.00 per student

Hartzell 2016 Propeller Technical Training Conference

Reserve the Date!

June 5th - 8th

Sunday (reception) - Wednesday (factory tour)

Conference Final Content Under Development. Details Coming Soon...

Class Fee: No charge

Compact (-1 and -2) Propeller Familiarization & Composite Blade Damage Evaluation/Minor Repair

June 22rd - 24th (Wednesday - Friday)

Class enrollment is limited to 6 persons with a 4 person minimum.

Attendee Prerequisites: Familiar with aircraft maintenance procedures and practices.
Propeller Repair Station affiliation

This course provides hands-on propeller assembly and disassembly.

Topics and Training

Objectives

Propeller Components and Operation	Familiarization With The Individual Propeller Components And Their Specific Operation
Propeller Inspection	Understanding Required Inspections And Procedures
Propeller Assembly And Set-up	Present Required Tooling And Procedures Demonstrate Propeller Assembly And Set-up
Propeller Maintenance & Repair	Present Specific Line Maintenance Procedures And Periodic Inspections Requirements
Service Information Review	Discuss Service Information Affecting Compact Propellers
Composite Blade Damage Evaluation	Determine Airworthy vs. Non-airworthy Blade Damage
Composite Blade Minor Repair	Perform Hands-on Repair of Minor Composite Blade Damage per Hartzell Manual 170*

Note: Completing this class does NOT qualify students to perform composite blade major repair or lead edge replacement.

Class Fee:

The fee for the three day class is \$2100.00 per student.

Do328 Propeller Familiarization and Composite Blade Minor Repair

September 12th - 16th (Monday - Friday)

Class enrollment is limited to 6 persons with a 4 person minimum.

Attendee Prerequisites: Familiar with aircraft maintenance procedures and practices.
Do328 Operator affiliation

This course provides hands-on propeller assembly and disassembly. The course provides blade field maintenance including de-ice boot installation and removal.

<u>Topics and Training</u>	<u>Objectives</u>
Propeller Components and Operation	Familiarization With The Individual Propeller Components And Their Specific Operation
Propeller Inspection	Understanding Required Inspections And Procedures
Propeller Assembly And Set-up	Present Required Tooling And Procedures Demonstrate Propeller Assembly And Set-up**
Propeller Maintenance & Repair	Present Specific Line Maintenance Procedures And Periodic Inspections Requirements
Service Information	Discuss Service Information Affecting Compact Propellers
Composite Blade Inspection	Composite Blade Inspection for Airworthiness and Determination Of Field Repairable Damage Or Factory Only Repairable Damage
Allowable Field Repairs	Composite Blade Minor Repairs*
De-ice Boot	De-ice Boot Installation De-ice Boot Removal

*Note: Completing this class does NOT qualify students to perform composite blade major repair or lead edge replacement.

**Note: Completion of this class does NOT qualify students to perform blade bearing replacement required by Hartzell Service Bulletin HD-SB-61-014; only facilities authorized to fully overhaul dual-acting propellers may perform service bulletin HD-SB-61-014 bearing replacement.

***Note: Do328 propeller class participation is restricted to Do328-affiliated customers; contact Hartzell Product Support for details and authorization to attend.

Class Fee:

The fee for this class is \$3500.00 per student.

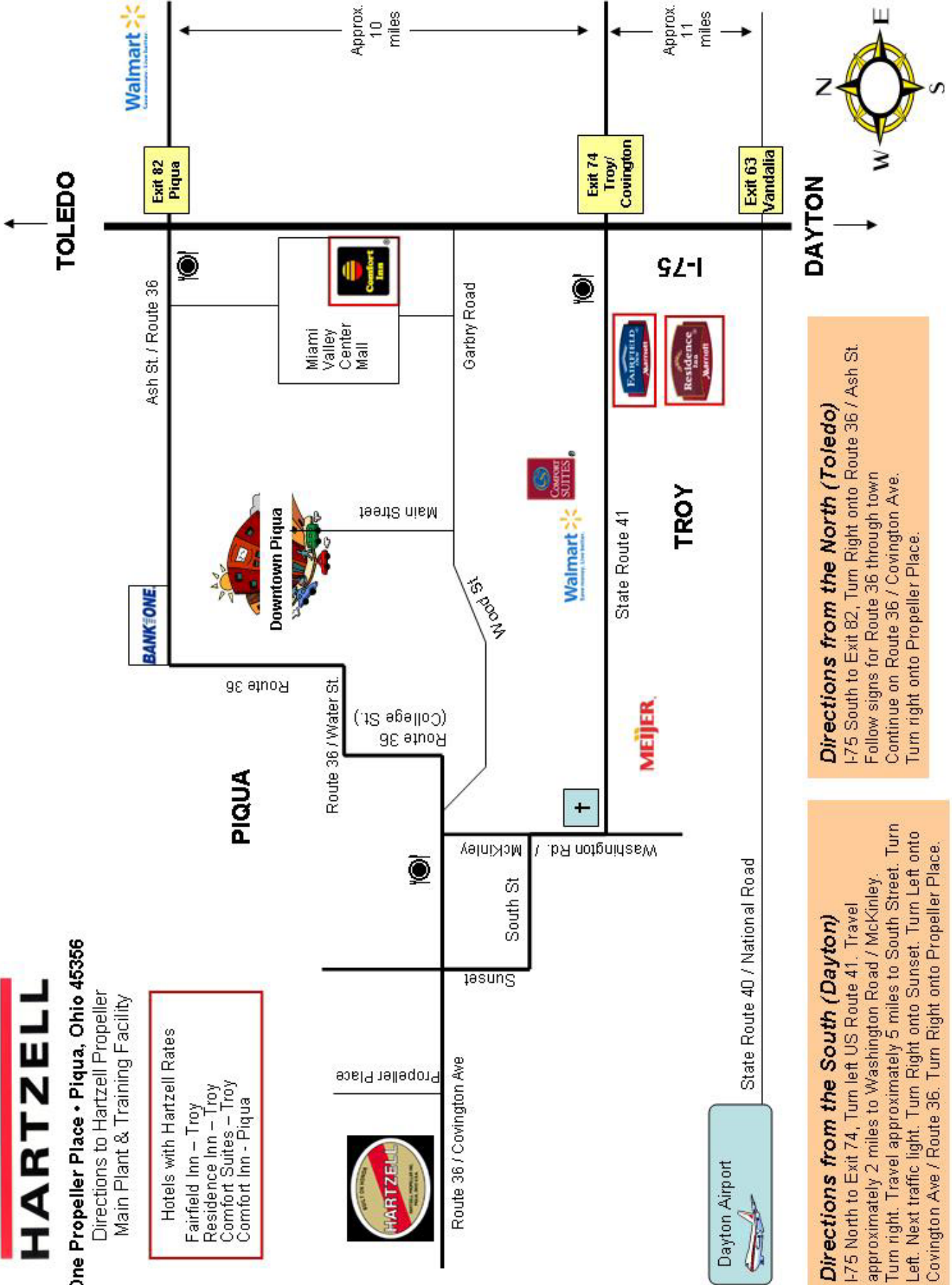
HARTZELL

One Propeller Place • Piqua, Ohio 45356

Directions to Hartzell Propeller
Main Plant & Training Facility

Hotels with Hartzell Rates

- Fairfield Inn – Troy
- Residence Inn – Troy
- Comfort Suites – Troy
- Comfort Inn - Piqua



Directions from the North (Toledo)
I-75 South to Exit 82, Turn Right onto Route 36 / Ash St.
Follow signs for Route 36 through town
Continue on Route 36 / Covington Ave.
Turn right onto Propeller Place.

Directions from the South (Dayton)
I-75 North to Exit 74, Turn left US Route 41. Travel
approximately 2 miles to Washington Road / McKinley.
Turn right. Travel approximately 5 miles to South Street. Turn
Left. Next traffic light. Turn Right onto Sunset. Turn Left onto
Covington Ave / Route 36. Turn Right onto Propeller Place.



RESERVATION FORM

Return reservation form and applicable fee to:

Hartzell Propeller Inc.
Attn: Product Support Department
One Propeller Place
Piqua, Ohio 45356-2634 U.S.A.
Telephone: (937) 778-4320
Fax: (937) 778-4391
Email: training@hartzellprop.com

Company Name: _____

Attendee Name: _____

Street Address: _____

City: _____ State: _____

Postal Code: _____ Country: _____

Phone (including Country Code): _____

Fax (including Country Code): _____

Email Address: _____

Class Selection and Payment Information

Class Title: _____

Class Date: _____

Class Fee: \$ _____ Note: Tuition payment is required in full with completed registration form.

Payment Option:

Copy of Check Enclosed* ACH/Wire Transfer* Credit Card (see below) Net 30 Terms**

*Note: Please see the following page for additional instructions on processing payments via ACH, Wire Transfer, or Check

**Note: Billing will occur immediately following Hartzell acceptance of class registration for customers with existing Net 30 terms.

Credit Card # _____ Expiration Date: _____ Security Code: _____

Type: Visa Master Card Discover American Express

Credit Card Billing Address _____

This Section for Hartzell Use Only

Class Instructor _____

Invoice/Proforma Invoice # _____

Student Paid-in-Full Date _____

Student Screening Date _____

Revision 09/17/15



One Propeller Place Piqua Ohio 45356 USA

Banking / Payment Instructions from ar@hartzellprop.com

******IMPORTANT****** Email remittance details to: ar@hartzellprop.com
for ACH and Wire Transfers (Options 1 & 2)

1. **ACH TRANSFERS** (EFT) – Similar to a wire transfer, but less bank fees for both parties
****This is the preferred method of payment****
2. **WIRE TRANSFERS** – When an ACH transfer is not an option with your bank

ACH & wire transfers *Email advice to: ar@hartzellprop.com*****

The PrivateBank
120 South LaSalle
Chicago, IL 60603 USA
ABA No. 071006486

--OR--

SWIFT ID: PVTBUS44

Account No. **2174960**

Account Name (Beneficiary): Hartzell Propeller Inc.

Reference Nos.: **Sender of funds to supply QT #, CO #, PO # or customer #
so applicable Hartzell account can be credited with the funds**

3. **CHECKS** – **Must be payable in U.S. dollars and drawn on a U.S. bank**

A. Mail ONLY checks and remittance advices to IL (Illinois)

(1st class mail only. If special courier is used, see option B)

**Hartzell Propeller Inc.
8345 Solutions Center
Chicago, IL 60677-8003**

B. OVERNIGHT / SPECIAL COURIER DELIVERIES (FEDX, UPS, or other)

Hartzell Propeller Inc.
Lockbox Number 778345
350 East Devon Ave
Itasca, IL 60143

page

******NOTE (ALL TRANSFERS): EMAIL COMPLETE PAYMENT DETAILS TO******
ar@hartzellprop.com