

# American Cooling Systems, LLC

## FAN CATALOG



ACHIEVING

CUSTOMER

SATISFACTION

## **History**

AMERICAN COOLING SYSTEMS, L.L.C., (“ACS”) designs and manufactures engine cooling fans for OEM and Aftermarket use. ACS fans demonstrate the highest performance levels to maximize airflow while reducing demand on engine horsepower.

ACS has developed a line of high efficiency fans. These fans have significantly higher efficiency than standard fans and are available in clockwise and counter-clockwise rotations, with diameters up to 38”.

To provide a superior product, ACS developed and patented a unique laser-assisted computerized fan balancing system using hub-mounted balance weights. ACS achieves near zero un-balance, avoids balancing by trimming the fan blade tips. On ACS fans, each fan blade is a uniform length, creating greater airflow, lower noise and each fan blade is at the same distance from the fan shroud. This precision balancing improves fan clutch bearing life.

ACS uses a controlled coating process (E-Coat) on the fan center disk. This process reduces un-balance in the center disk material and provides superior corrosion resistance.

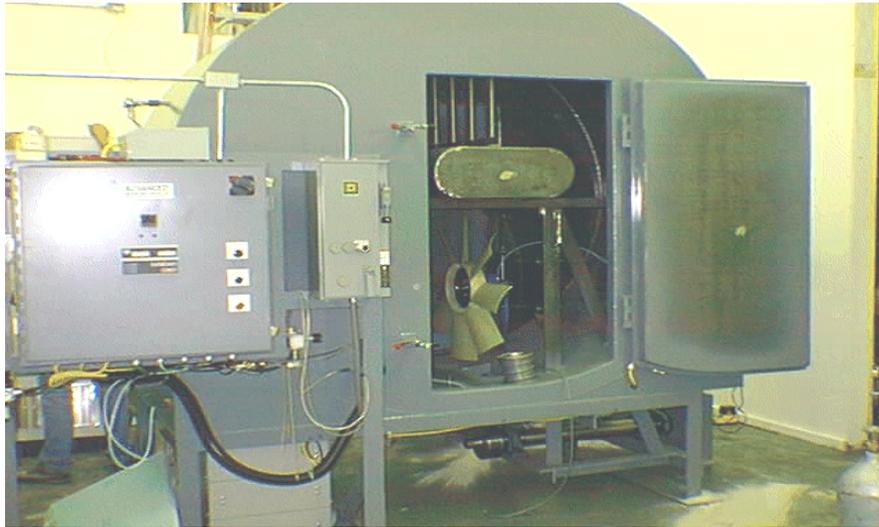
ACS fans are standard on truck, Industrial and off-road applications. ACS offers a full line of replacement fans for most applications.

- Facility
- The American Cooling Systems, LLC facility is located in the Northwest section of Grand Rapids, Michigan, and is adjacent to major interstate highways.
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- The current staff includes, Quality Assurance, Engineering, Field Sales, Manufacturing, Testing, and Administration.
- Capabilities
- **Quality Assurance:**
  - ISO/9001/2000 Certified
- **Engineering:** Cooling Fans
  - This department represents many years of experience working in the heavy truck and off-highway industries. American Cooling Systems will work with our customer's Engineering staff to diagnose and make recommendations for system improvements including the timely development of rapid prototypes. This full service supplier support means that you the customer do not have to consume your Engineering resources for your cooling related requirements. American Cooling Systems has a three-pronged approach to solving cooling system needs.
    - ACS can offer replacements for existing polymer fans, which will offer a price savings and proven durability.
    - ACS can design or offer a suitable alternative fan specific to the application of interest.
    - ACS does design and develop generic fans to meet the increased cooling demands of today's market.
  - We are capable of designing and providing fans from 12 inches to 4 feet in diameter.

- **Engineering:** Fan Clutches
  - Our Fan Clutch Engineering Staff developed and patented, a true variable speed fan clutch for on and off highway applications. This patented clutch is designed to help maintain a constant engine temperature for optimal performance.
  
- Testing/Prototype
  - American Cooling Systems has an off-site wind tunnel and a durability test cell, used to develop fans and fan clutches . These units provide cyclic
  - and long term durability testing and verification/validation of ACS fans and fan clutches.

## Prototype/Testing

In-Vehicle tests, which can be conducted on-site or at the customer's location. ACS uses a portable data recording system and is used to verify and investigate structural and aerodynamic characteristics for old or new cooling configurations



Durability Test Cell



In Vehicle Airflow Measurements

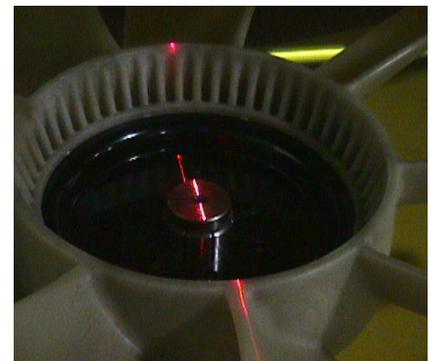
## Manufacturing

American Cooling Systems has a state of the art facility capable of 24 hour operation. The manufacturing staff has many years of fan manufacturing experience in the 14" to 38" diameter range.



## Balancing:

We have an improved balancing and trimming method for fans. These new methods provide a consistent blade diameter to within  $\square\square$  and are balanced to less than 0.4 oz/in. These improvements provide better airflow, lower noise and improve clutch and engine bearing life. ACS has received a Patent for our balance attachment feature.



Field

Sales and Customer Support:

Our sales personnel have many years of fan and fan clutch sales experience.

Organization

American Cooling Systems is a Limited Liability Company (L.L.C.), with Corporate Offices located in Chicago, Illinois, manufacturing facility in Grand Rapids, Michigan.

Engineering, Manufacturing and Sales location are:

AMERICAN COOLING SYSTEMS, LLC

3099 WILSON DRIVE NW

GRAND RAPIDS, MI 49544

TEL: 800-974-FANS (3267)

TEL: 616-954-0280

FAX: 616-954-0283

ACS SALES MANAGER EAST

VAL HORTON

TEL: 904-288-0508

## ACS Distributor Listing

Norman G. Clark (A/Asia) Pty Ltd  
44 Kylta Road  
West Heidelberg, Victoria 3081 Australia

613-457-5833 Voice  
613-457-5781 Fax  
robc@ngclark.com.au

Arkansas Turbo  
314 Lake Lane  
North Little Rock, Arkansas 72117

501-945-8909 Voice  
501-945-1055 Fax  
robin545@aol.com

Diesel Components, Inc  
12050 Riverwood Circle  
Burnsville, MN 55337

952-890-2885 Voice  
952-890-2920 Fax  
dcimn@worldnet.att.net

Superior Turbo & Ignition  
3735 Central  
Detroit, MI 48210

313-842-4616 Voice  
313-842-2566 Fax

Turbo Auto Diesel Co. Inc  
4859 W. Van Buren  
Phoenix, AZ 85043

602-272-5311 Voice  
602-269-6939 Fax  
tadcoman@aol.com

Denver Radiator  
5501 Pearl Street  
Denver, CO 80216

303-297-0355 Voice  
303-294-1059 Fax

Western Fleet Supply, Inc  
620 South Dakota Street  
Seattle, WA 98108

206.624.4444 Voice  
206.624.6393 Fax  
Randy Dahl

Cadillac Truck Service  
4675 South 39 1/2 Mile Rd  
Cadillac, MI 49601

231.775.8471 Voice  
231.775.9533 Fax

Wayside Truck Service  
1706 North Wayside  
Houston, TX 77020

713.675.7500 Voice  
713.673.4210 Fax

Montana Radiator Works  
536 South 18th Street West  
Billings, MT 59102

800-736-5253 Voice  
406-656-1007 Fax

Ross Equipment  
833 Bayway Ave.  
Elizabeth, NJ 07207

800-290-9798 Voice  
800-956-2651 Fax

CLF Warehouse  
1347 Terminal Street  
West Sacramento, CA 95691

916-372-1447 Voice

Cadel  
5425 Maingate Drive  
Mississauga, ON L4W 1G6

905-629-7979 Voice  
905-629-7986 Fax

## AMERICAN COOLING SYTEMS, LLC FANS

Dear Valued Customer:

We take pride in producing the BEST FANS at the BEST VALUE in the industry.

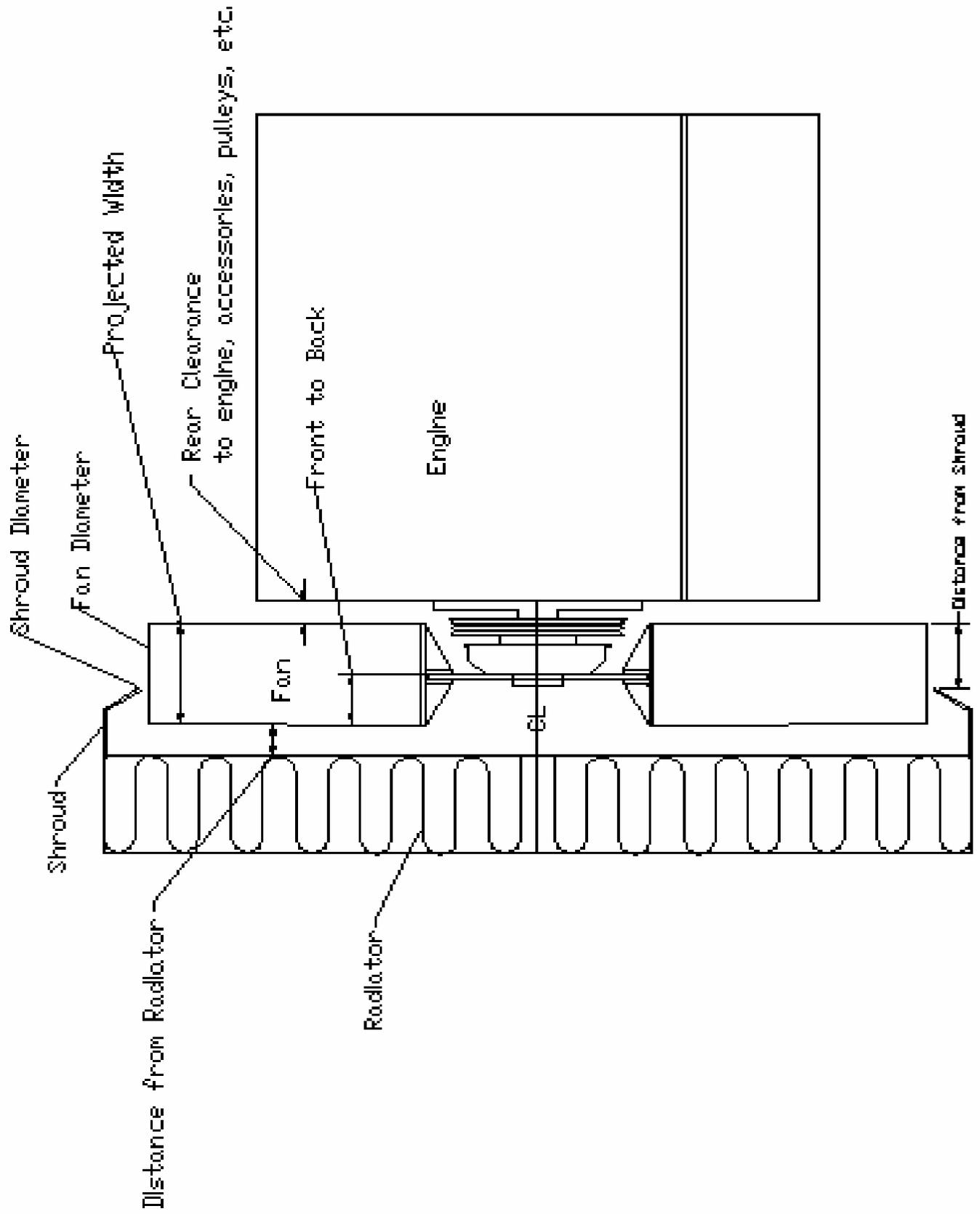
### Fan Application Guideline

Fan blade clearances are intended to allow for engine shift due to severe braking or engine torque, fan loading or unloading with on/off fan drives. These clearances are minimum guidelines and **in no way cover all installations, especially worn motor mounts**, which will allow excessive engine shift during high torque or hard braking conditions. Allowing a rotating blade to contact other engine compartment parts will not only void your warranty, but can cause severe damage to the fan and or other vehicle components.

**Caution: Minimum Fan Blade Clearances: To front of fan: 1"** from the leading edge of the fan to the first obstacle forward (not always the radiator fin surface). **To rear of fan: 1"** from the trailing edge of the fan. **Blade Tip Clearances: 3/4"** from each blade to the first obstacle to the side (not always the fan shroud).

**AFTER THE INSTALLATION OF THE FAN IS COMPLETE, A THOROUGH INSPECTION OF THE PROPER CLEARANCES SHOULD BE PERFORMED.**

# FAN CLEARANCES



## FAN SELECTION PROCESS

Fan selection involves several criterions. Things to consider during fan selection are:

1. Clearance
2. Performance
3. Positioning
4. Horsepower Draw
5. System Restriction

American Cooling Systems is prepared to help any customer in making a fan selection. Each of these criterions is discussed below:

### *Clearance*

Generally speaking, American Cooling Systems recommends 1.00 inch minimum clearance forward and behind the fan, to the nearest object. Tip clearance should be as tight as the systems will allow to generate maximum airflow. Relative movement between the fan shroud, radiator and engine impacts tip clearance. If no provisions are provided to hold the movement between the shroud and the fan to a minimum, American Cooling Systems recommends a minimum tip clearance of  $\frac{3}{4}$  inch. A similar relationship exists between the rear of the fan and the engine or other blockage.

### *Performance*

The amount of cooling that a fan can deliver is determined by the number of blades, projected width (front to back dimension), diameter and RPM. In selecting a fan as a replacement for an existing fan, the intent should be to match the existing fan as closely as possible with the above parameters to provide the same cooling.

## **Positioning**

The position of the fan relative to the shroud is critical in obtaining maximum airflow from the fan. Improper positioning can account for a reduction in airflow from a fan's specific airflow chart. Replacement fans should be put in the same position as the original fans. Frequently, fan position can be optimized for maximum cooling system performance. American Cooling Systems can aid in this process by providing instrumentation and assistance to maximize your cooling system's performance.

## **Horsepower Draw**

Horsepower draw of various manufacturer's fans differ, depending on efficiency of the fan. In selecting fans for replacement or new applications, horsepower draw must be considered. Belt and pulley loads are increased by increased horsepower draw, which will potentially reduce belt life and pulley durability. American Cooling Systems can assist customers with this evaluation.

## **System Restriction**

The number of fins and rows in the radiator, the number of coolers in series, the proximity of the engine to the fan and many other items effect the system restriction (the ability to pull or push air through the cooling system). System restriction affects the fan airflow capacity by reducing airflow as the system restriction increases. It also affects optimum fan position as described under "Positioning" on the previous page. If a cooling system is being modified, American Cooling Systems recommends that you use our resources to help you optimize the cooling system.

In summary many things affect the fan and cooling system's ability to cool the engine adequately. Above are some, but not all, of the parameters that can impact a cooling system's design and performance. American Cooling Systems stands

## BWA to ACS Crossover Listing

4735-35480	01	Fan 6 Blade Clockwise	<b>483256-32</b>
4735-35480	02	Fan 6 Blade Clockwise	<b>483200-32</b>
4735-35480	03	Fan 6 Blade Clockwise	<b>483500-32</b>
4735-35480	04	Fan 6 Blade Clockwise	<b>483369-32</b>
4735-35480	05	Fan 6 Blade Clockwise	<b>483256-30</b>
4735-35480	06	Fan 6 Blade Clockwise	<b>483200-30</b>
4735-35480	07	Fan 6 Blade Clockwise	<b>483500-28</b>
4735-35480	10	Fan 6 Blade Clockwise	<b>483256-28</b>
4735-35480	15	Fan 6 Blade Clockwise	<b>483256-24</b>
4735-35480	17	Fan 6 Blade Clockwise	<b>483325-23</b>
4735-35480	18	Fan 6 Blade Clockwise	<b>483200-28</b>
4735-35480	19	Fan 6 Blade Clockwise	<b>483256-22</b>
4735-35480	20	Fan 6 Blade Clockwise	<b>483256-26</b>
4735-35480	21	Fan 6 Blade Clockwise	<b>483500-24</b>
4735-35480	22	Fan 6 Blade Clockwise	<b>483500-22</b>
4735-35480	23	Fan 6 Blade Clockwise	<b>483200-26</b>
4735-35480	24	Fan 6 Blade Clockwise	<b>483369-30</b>
4735-35480	25	Fan 6 Blade Clockwise	<b>483200-22</b>
4735-35480	26	Fan 6 Blade Clockwise	<b>483500-749</b>
4735-35480	27	Fan 6 Blade Clockwise	<b>483200-32</b>
4735-35480	28	Fan 6 Blade Clockwise	<b>483205-28</b>
4735-35480	29	Fan 6 Blade Clockwise	<b>483200-23</b>
4735-35480	30	Fan 6 Blade Clockwise	<b>483200-28</b>
4735-35480	31	Fan 6 Blade Clockwise	<b>483256-692</b>
4735-35480	32	Fan 6 Blade Clockwise	<b>483200-24</b>
4735-35480	33	Fan 6 Blade Clockwise	<b>483500-30</b>
4735-35480	34	Fan 6 Blade Clockwise	<b>483205-32</b>
4735-35480	35	Fan 6 Blade Clockwise	<b>483500-23</b>
4735-35480	36	Fan 6 Blade Clockwise	<b>483205-26</b>
4735-35480	37	Fan 6 Blade Clockwise	<b>483369-28</b>
4735-35480	42	Fan 6 Blade Clockwise	<b>483500-521</b>
4735-35480	44	Fan 6 Blade Clockwise	<b>483325-24</b>
4735-35480	45	Fan 6 Blade Clockwise	<b>483205-22</b>
4735-35480	48	Fan 6 Blade Clockwise	<b>483200-24</b>
4735-35480	49	Fan 6 Blade Clockwise	<b>483205-24</b>
4735-35480	52	Fan 6 Blade Clockwise	<b>483369-26</b>
4735-35480	55	Fan 6 Blade Clockwise	<b>483500-26</b>
4735-35480	62	Fan 6 Blade Clockwise	<b>483200-26</b>
4735-35480	65	Fan 6 Blade Clockwise	<b>483325-22</b>
4735-35480	75	Fan 6 Blade Clockwise	<b>483256-23</b>
4735-35480	76	Fan 6 Blade Clockwise	<b>483200-30</b>
4735-35480	78	Fan 6 Blade Clockwise	<b>483200-22</b>
4735-35480	84	Fan 6 Blade Clockwise	<b>483100-22</b>
4735-35480	85	Fan 6 Blade Clockwise	<b>483100-24</b>
4735-35480	93	Fan 6 Blade Clockwise	<b>483100-20</b>
4735-35480	94	Fan 6 Blade Clockwise	<b>483100-26</b>

## BWA to ACS Crossover Listing

4735-35480	103	Fan 6 Blade Clockwise	<b>483400-26</b>
4735-35480	113	Fan 6 Blade Clockwise	<b>483200-27</b>
4735-35480	120	Fan 6 Blade Clockwise	<b>483325-591</b>
4735-35480	125	Fan 6 Blade Clockwise	<b>483256-31</b>
4735-35480	126	Fan 6 Blade Clockwise	<b>483161-597</b>
4735-35480	130	Fan 6 Blade Clockwise	<b>483200-750</b>
4735-35480	131	Fan 6 Blade Clockwise	<b>483200-31</b>
4735-35480	133	Fan 6 Blade Clockwise	<b>483150-21</b>
4735-35480	134	Fan 6 Blade Clockwise	<b>483150-23</b>
4735-35828	03	Fan 7 Blade CCW	<b>828205-36</b>
4735-35828	06	Fan 7 Blade CCW	<b>828256-36</b>
4735-35828	07	Fan 7 Blade CCW	<b>828256-32</b>
4735-35828	08	Fan 7 Blade CCW	<b>828205-32</b>
4735-35828	12	Fan 7 Blade CCW	<b>828256-28</b>
4735-35828	13	Fan 7 Blade CCW	<b>828256-30</b>
4735-35828	146	Fan 7 Blade CCW	<b>828161-20</b>
4735-35828	147	Fan 7 Blade CCW	<b>828100-30</b>
4735-35828	163	Fan 7 Blade CCW	<b>828500-620</b>
4735-35828	164	Fan 7 Blade CCW	<b>828161-18</b>
4735-35828	171	Fan 7 Blade CCW	<b>828500-640</b>
4735-35828	179	Fan 7 Blade CCW	<b>828100-27</b>
4735-35828	181	Fan 7 Blade CCW	<b>828161-26</b>
4735-35828	182	Fan 7 Blade CCW	<b>828161-24</b>
4735-35828	188	Fan 7 Blade CCW	<b>828161-22</b>
4735-35828	195	Fan 7 Blade CCW	<b>828100-800</b>
4735-35828	14	Fan 7 Blade CCW	<b>828200-26</b>
4735-35828	15	Fan 7 Blade CCW	<b>828256-26</b>
4735-35828	16	Fan 7 Blade CCW	<b>828256-24</b>
4735-35828	17	Fan 7 Blade CCW	<b>828500-28</b>
4735-35828	18	Fan 7 Blade CCW	<b>828205-22</b>
4735-35828	19	Fan 7 Blade CCW	<b>828200-24</b>
4735-35828	21	Fan 7 Blade CCW	<b>828256-30</b>
4735-35828	24	Fan 7 Blade CCW	<b>828205-24</b>
4735-35828	26	Fan 7 Blade CCW	<b>828369-32</b>
4735-35828	27	Fan 7 Blade CCW	<b>828369-28</b>
4735-35828	30	Fan 7 Blade CCW	<b>828200-36</b>
4735-35828	31	Fan 7 Blade CCW	<b>828200-23</b>
4735-35828	32	Fan 7 Blade CCW	<b>828200-30</b>
4735-35828	34	Fan 7 Blade CCW	<b>828200-32</b>
4735-35828	35	Fan 7 Blade CCW	<b>828200-34</b>
4735-35828	36	Fan 7 Blade CCW	<b>828200-28</b>
4735-35828	37	Fan 7 Blade CCW	<b>828500-32</b>
4735-35828	39	Fan 7 Blade CCW	<b>828369-30</b>
4735-35828	42	Fan 7 Blade CCW	<b>828100-20</b>
4735-35828	43	Fan 7 Blade CCW	<b>828100-22</b>
4735-35828	44	Fan 7 Blade CCW	<b>828100-24</b>

**BWA to ACS Crossover Listing**

4735-35828	45	Fan 7 Blade CCW	<b>828100-26</b>
4735-35828	48	Fan 7 Blade CCW	<b>828205-34</b>
4735-35828	52	Fan 7 Blade CCW	<b>828100-18</b>
4735-35828	53	Fan 7 Blade CCW	<b>828100-28</b>
4735-35828	54	Fan 7 Blade CCW	<b>828100-30</b>
4735-35828	55	Fan 7 Blade CCW	<b>828100-32</b>
4735-35828	57	Fan 7 Blade CCW	<b>828100-36</b>
4735-35828	58	Fan 7 Blade CCW	<b>828400-24</b>
4735-35828	59	Fan 7 Blade CCW	<b>828400-22</b>
4735-35828	60	Fan 7 Blade CCW	<b>828256-34</b>
4735-35828	62	Fan 7 Blade CCW	<b>828369-32</b>
4735-35828	63	Fan 7 Blade CCW	<b>828200-20</b>
4735-35828	68	Fan 7 Blade CCW	<b>828200-22</b>
4735-35828	70	Fan 7 Blade CCW	<b>828400-25</b>
4735-35828	72	Fan 7 Blade CCW	<b>828100-16</b>
4735-35828	77	Fan 7 Blade CCW	<b>828200-18</b>
4735-35828	81	Fan 7 Blade CCW	<b>828256-20</b>
4735-35828	86	Fan 7 Blade CCW	<b>828256-22</b>
4735-35828	88	Fan 7 Blade CCW	<b>828500-22</b>
4735-35828	89	Fan 7 Blade CCW	<b>828100-23</b>
4735-35828	90	Fan 7 Blade CCW	<b>828325-24</b>
4735-35828	91	Fan 7 Blade CCW	<b>828500-24</b>
4735-35828	93	Fan 7 Blade CCW	<b>828325-26</b>
4735-35828	94	Fan 7 Blade CCW	<b>828500-26</b>
4735-35828	95	Fan 7 Blade CCW	<b>828205-28</b>
4735-35828	97	Fan 7 Blade CCW	<b>828205-30</b>
4735-35828	98	Fan 7 Blade CCW	<b>828400-30</b>
4735-35828	99	Fan 7 Blade CCW	<b>828500-30</b>
4735-35828	105	Fan 7 Blade CCW	<b>828205-26</b>
4735-35828	109	Fan 7 Blade CCW	<b>828500-648</b>
4735-35828	112	Fan 7 Blade CCW	<b>828100-470</b>
4735-35828	116	Fan 7 Blade CCW	<b>828150-18</b>
4735-35828	119	Fan 7 Blade CCW	<b>828150-597</b>
4735-35828	123	Fan 7 Blade CCW	<b>828200-33</b>
4735-35828	125	Fan 7 Blade CCW	<b>828200-800</b>
4735-35828	127	Fan 7 Blade CCW	<b>828256-650</b>
4735-35828	128	Fan 7 Blade CCW	<b>828161-18</b>
4735-35828	136	Fan 7 Blade CCW	<b>828256-719</b>
4735-35828	137	Fan 7 Blade CCW	<b>828256-650</b>
4735-35828	140	Fan 7 Blade CCW	<b>828369-26</b>
4735-38449	03	Fan 10 Blade Clockwise	<b>449100-20</b>
4735-38449	04	Fan 10 Blade Clockwise	<b>449400-495</b>
4735-38449	05	Fan 10 Blade Clockwise	<b>449256-22</b>
4735-38449	06	Fan 10 Blade Clockwise	<b>449100-22</b>

## BWA to ACS Crossover Listing

4735-38449	08	Fan 10 Blade Clockwise	<b>449200-20</b>
4735-38449	09	Fan 10 Blade Clockwise	<b>449200-22</b>
4735-38449	10	Fan 10 Blade Clockwise	<b>449400-22</b>
4735-38449	17	Fan 10 Blade Clockwise	<b>449325-20</b>
4735-38449	18	Fan 10 Blade Clockwise	<b>449256-22</b>
4735-38449	19	Fan 10 Blade Clockwise	<b>449100-18</b>
4735-38449	21	Fan 10 Blade Clockwise	<b>449100-21</b>
4735-38449	23	Fan 10 Blade Clockwise	<b>449200-21</b>
4735-38449	25	Fan 10 Blade Clockwise	<b>449100-16</b>
4735-38449	27	Fan 10 Blade Clockwise	<b>449100-19</b>
4735-38449	32	Fan 10 Blade Clockwise	<b>449200-16</b>
4735-38449	34	Fan 10 Blade Clockwise	<b>449256-16</b>
4735-38449	37	Fan 10 Blade Clockwise	<b>449100-17</b>
4735-38449	40	Fan 10 Blade Clockwise	<b>449256-17</b>
4735-38449	42	Fan 10 Blade Clockwise	<b>449200-18</b>
4735-38449	43	Fan 10 Blade Clockwise	<b>449205-18</b>
4735-38449	45	Fan 10 Blade Clockwise	<b>449325-18</b>
4735-38449	47	Fan 10 Blade Clockwise	<b>449200-19</b>
4735-38449	52	Fan 10 Blade Clockwise	<b>449256-20</b>
4735-38449	54	Fan 10 Blade Clockwise	<b>449400-21</b>
4735-38449	55	Fan 10 Blade Clockwise	<b>449205-22</b>
4735-38449	56	Fan 10 Blade Clockwise	<b>449325-20</b>
4735-38449	62	Fan 10 Blade Clockwise	<b>449400-20</b>
4735-38449	64	Fan 10 Blade Clockwise	<b>449161-20</b>
4735-38449	65	Fan 10 Blade Clockwise	<b>449100-14</b>
4735-38449	69	Fan 10 Blade Clockwise	<b>449150-419</b>
4735-38449	70	Fan 10 Blade Clockwise	<b>449325-22</b>
4735-38449	83	Fan 10 Blade Clockwise	<b>449161-18</b>
4735-38449	86	Fan 10 Blade Clockwise	<b>449161-20</b>
4735-38449	87	Fan 10 Blade Clockwise	<b>449161-22</b>
4735-38449	90	Fan 10 Blade Clockwise	<b>449150-20</b>
4735-38449	91	Fan 10 Blade Clockwise	<b>449161-19</b>
4735-38449	98	Fan 10 Blade Clockwise	<b>449400-444</b>
4735-38449	100	Fan 10 Blade Clockwise	<b>449100-550</b>
4735-38449	102	Fan 10 Blade Clockwise	<b>449100-551</b>
4735-38449	103	Fan 10 Blade Clockwise	<b>449150-21</b>
4735-38449	109	Fan 10 Blade Clockwise	<b>449161-17</b>
4735-38449	114	Fan 10 Blade Clockwise	<b>449325-358</b>
4735-38449	116	Fan 10 Blade Clockwise	<b>449161-500</b>
4735-38449	117	Fan 10 Blade Clockwise	<b>449161-21</b>
4735-38449	118	Fan 10 Blade Clockwise	<b>449150-19</b>
4735-38449	119	Fan 10 Blade Clockwise	<b>449100-390</b>

**BWA to ACS Crossover Listing**

4735-38449	120	Fan 10 Blade Clockwise	<b>449161-360</b>
4735-38449	121	Fan 10 Blade Clockwise	<b>449100-450</b>
4735-38449	123	Fan 10 Blade Clockwise	<b>449150-17</b>
4735-38449	77	Fan 10 Blade Clockwise	<b>449150-18</b>
4735-38825	01	Fan 6 Blade Clockwise	<b>482500-30</b>
4735-38825	02	Fan 6 Blade Clockwise	<b>482500-32</b>
4735-38825	03	Fan 6 Blade Clockwise	<b>482256-32</b>
4735-38825	04	Fan 6 Blade Clockwise	<b>482200-32</b>
4735-38825	05	Fan 6 Blade Clockwise	<b>482256-30</b>
4735-38825	09	Fan 6 Blade Clockwise	<b>482200-30</b>
4735-38825	10	Fan 6 Blade Clockwise	<b>482500-28</b>
4735-38825	11	Fan 6 Blade Clockwise	<b>482256-28</b>
4735-38825	14	Fan 6 Blade Clockwise	<b>482200-22</b>
4735-38825	21	Fan 6 Blade Clockwise	<b>482100-23</b>
4735-38825	31	Fan 6 Blade Clockwise	<b>482100-24</b>
4735-38825	32	Fan 6 Blade Clockwise	<b>482200-24</b>
4735-38825	34	Fan 6 Blade Clockwise	<b>482256-24</b>
4735-38825	35	Fan 6 Blade Clockwise	<b>482325-24</b>
4735-38825	37	Fan 6 Blade Clockwise	<b>482500-24</b>
4735-38825	40	Fan 6 Blade Clockwise	<b>482100-26</b>
4735-38825	41	Fan 6 Blade Clockwise	<b>482200-26</b>
4735-38825	43	Fan 6 Blade Clockwise	<b>482256-26</b>
4735-38825	44	Fan 6 Blade Clockwise	<b>482325-26</b>
4735-38825	47	Fan 6 Blade Clockwise	<b>482500-26</b>
4735-38825	51	Fan 6 Blade Clockwise	<b>482100-28</b>
4735-38825	52	Fan 6 Blade Clockwise	<b>482200-28</b>
4735-38825	53	Fan 6 Blade Clockwise	<b>482205-28</b>
4735-38825	58	Fan 6 Blade Clockwise	<b>482100-30</b>
4735-38825	59	Fan 6 Blade Clockwise	<b>482200-30</b>
4735-38825	64	Fan 6 Blade Clockwise	<b>482100-32</b>
4735-38825	65	Fan 6 Blade Clockwise	<b>482200-32</b>
4735-38825	69	Fan 6 Blade Clockwise	<b>482100-22</b>
4735-38825	70	Fan 6 Blade Clockwise	<b>482100-546</b>
4735-38825	71	Fan 6 Blade Clockwise	<b>482100-20</b>
4735-38825	73	Fan 6 Blade Clockwise	<b>482256-30</b>
4735-38825	74	Fan 6 Blade Clockwise	<b>482256-29</b>
4735-38825	75	Fan 6 Blade Clockwise	<b>482256-31</b>
4735-38825	76	Fan 6 Blade Clockwise	<b>482150-23</b>
4735-38825	77	Fan 6 Blade Clockwise	<b>482500-29</b>
4735-38825	81	Fan 6 Blade Clockwise	<b>482200-24</b>
4735-38825	82	Fan 6 Blade Clockwise	<b>482200-26</b>
4735-38825	83	Fan 6 Blade Clockwise	<b>482200-28</b>
4735-38825	84	Fan 6 Blade Clockwise	<b>482150-24</b>
4735-38825	85	Fan 6 Blade Clockwise	<b>482150-25</b>
4735-38825	86	Fan 6 Blade Clockwise	<b>482150-26</b>
4735-41134	47	Fan 8 Blade Clockwise	<b>134500-31</b>

## BWA to ACS Crossover Listing

4735-41134	49	Fan 8 Blade Clockwise	<b>134500-749</b>
4735-41134	50	Fan 8 Blade Clockwise	<b>134500-668</b>
4735-41134	52	Fan 8 Blade Clockwise	<b>134200-650</b>
4735-41134	55	Fan 8 Blade Clockwise	<b>134500-700</b>
4735-41134	56	Fan 8 Blade Clockwise	<b>134400-28</b>
4735-41134	68	Fan 8 Blade Clockwise	<b>134200-31</b>
4735-41134	69	Fan 8 Blade Clockwise	<b>134200-749</b>
4735-41134	70	Fan 8 Blade Clockwise	<b>134256-749</b>
4735-41134	51	Fan 8 Blade Clockwise	<b>135500-640</b>
4735-41134	01	Fan 8 Blade Clockwise	<b>134256-30</b>
4735-41134	02	Fan 8 Blade Clockwise	<b>134200-30</b>
4735-41134	04	Fan 8 Blade Clockwise	<b>134200-30</b>
4735-41134	05	Fan 8 Blade Clockwise	<b>134256-28</b>
4735-41134	06	Fan 8 Blade Clockwise	<b>134200-28</b>
4735-41134	11	Fan 8 Blade Clockwise	<b>134100-22</b>
4735-41134	13	Fan 8 Blade Clockwise	<b>134500-30</b>
4735-41134	17	Fan 8 Blade Clockwise	<b>134100-26</b>
4735-41134	19	Fan 8 Blade Clockwise	<b>134256-26</b>
4735-41134	21	Fan 8 Blade Clockwise	<b>134500-26</b>
4735-41134	31	Fan 8 Blade Clockwise	<b>134100-24</b>
4735-41134	32	Fan 8 Blade Clockwise	<b>134200-24</b>
4735-41134	33	Fan 8 Blade Clockwise	<b>134256-24</b>
4735-41134	35	Fan 8 Blade Clockwise	<b>134500-24</b>
4735-41134	41	Fan 8 Blade Clockwise	<b>134200-32</b>
4735-41134	42	Fan 8 Blade Clockwise	<b>134256-32</b>
4735-41134	43	Fan 8 Blade Clockwise	<b>134500-32</b>
4735-41134	46	Fan 8 Blade Clockwise	<b>134256-31</b>
4735-41135	01	Fan 8 Blade Clockwise	<b>135256-30</b>
4735-41135	02	Fan 8 Blade Clockwise	<b>135200-30</b>
4735-41135	03	Fan 8 Blade Clockwise	<b>135200-29</b>
4735-41135	04	Fan 8 Blade Clockwise	<b>135256-29</b>
4735-41135	05	Fan 8 Blade Clockwise	<b>135256-28</b>
4735-41135	06	Fan 8 Blade Clockwise	<b>135100-32</b>
4735-41135	07	Fan 8 Blade Clockwise	<b>135200-32</b>
4735-41135	08	Fan 8 Blade Clockwise	<b>135256-32</b>
4735-41135	09	Fan 8 Blade Clockwise	<b>135500-32</b>
4735-41135	10	Fan 8 Blade Clockwise	<b>135100-31</b>
4735-41135	11	Fan 8 Blade Clockwise	<b>135200-31</b>
4735-41135	12	Fan 8 Blade Clockwise	<b>135256-31</b>
4735-41135	13	Fan 8 Blade Clockwise	<b>135500-31</b>
4735-41135	14	Fan 8 Blade Clockwise	<b>135100-30</b>
4735-41135	15	Fan 8 Blade Clockwise	<b>135325-30</b>
4735-41135	16	Fan 8 Blade Clockwise	<b>135500-30</b>
4735-41135	17	Fan 8 Blade Clockwise	<b>135100-29</b>
4735-41135	18	Fan 8 Blade Clockwise	<b>135200-749</b>
4735-41135	19	Fan 8 Blade Clockwise	<b>135325-29</b>

## BWA to ACS Crossover Listing

4735-41135	20	Fan 8 Blade Clockwise	<b>135500-29</b>
4735-41135	21	Fan 8 Blade Clockwise	<b>135100-28</b>
4735-41135	22	Fan 8 Blade Clockwise	<b>135200-28</b>
4735-41135	23	Fan 8 Blade Clockwise	<b>135325-28</b>
4735-41135	24	Fan 8 Blade Clockwise	<b>135500-28</b>
4735-41135	25	Fan 8 Blade Clockwise	<b>135100-27</b>
4735-41135	26	Fan 8 Blade Clockwise	<b>135200-27</b>
4735-41135	27	Fan 8 Blade Clockwise	<b>135256-27</b>
4735-41135	28	Fan 8 Blade Clockwise	<b>135325-27</b>
4735-41135	29	Fan 8 Blade Clockwise	<b>135500-27</b>
4735-41135	30	Fan 8 Blade Clockwise	<b>135100-26</b>
4735-41135	31	Fan 8 Blade Clockwise	<b>135200-26</b>
4735-41135	32	Fan 8 Blade Clockwise	<b>135256-26</b>
4735-41135	33	Fan 8 Blade Clockwise	<b>135325-26</b>
4735-41135	34	Fan 8 Blade Clockwise	<b>135500-26</b>
4735-41135	35	Fan 8 Blade Clockwise	<b>135100-25</b>
4735-41135	36	Fan 8 Blade Clockwise	<b>135200-25</b>
4735-41135	37	Fan 8 Blade Clockwise	<b>135256-25</b>
4735-41135	38	Fan 8 Blade Clockwise	<b>135325-25</b>
4735-41135	39	Fan 8 Blade Clockwise	<b>135500-25</b>
4735-41135	40	Fan 8 Blade Clockwise	<b>135100-24</b>
4735-41135	41	Fan 8 Blade Clockwise	<b>135200-24</b>
4735-41135	42	Fan 8 Blade Clockwise	<b>135256-24</b>
4735-41135	43	Fan 8 Blade Clockwise	<b>135325-24</b>
4735-41135	44	Fan 8 Blade Clockwise	<b>135500-24</b>
4735-41135	45	Fan 8 Blade Clockwise	<b>135100-23</b>
4735-41135	46	Fan 8 Blade Clockwise	<b>135200-23</b>
4735-41135	48	Fan 8 Blade Clockwise	<b>135325-23</b>
4735-41135	49	Fan 8 Blade Clockwise	<b>135205-32</b>
4735-41135	52	Fan 8 Blade Clockwise	<b>135205-30</b>
4735-41135	53	Fan 8 Blade Clockwise	<b>135500-640</b>
4735-41135	55	Fan 8 Blade Clockwise	<b>135500-700</b>
4735-41135	47	Fan 8 Blade Clockwise	<b>135256-23</b>
4735-41135	68	Fan 8 Blade Clockwise	<b>135500-749</b>
4735-41135	72	Fan 8 Blade Clockwise	<b>135256-720</b>
4735-41135	73	Fan 8 Blade Clockwise	<b>135100-727</b>
4735-41135	66	Fan 8 Blade Clockwise	<b>135256-749</b>
4735-41296	03	Fan 7 Blade CCW	<b>296161-20</b>
4735-41296	04	Fan 7 Blade CCW	<b>296161-18</b>
4735-41296	05	Fan 7 Blade CCW	<b>296200-28</b>
4735-41296	06	Fan 7 Blade CCW	<b>296161-19</b>
4735-41296	07	Fan 7 Blade CCW	<b>296400-25</b>
4735-41296	08	Fan 7 Blade CCW	<b>296100-26</b>
4735-41296	10	Fan 7 Blade CCW	<b>296200-26</b>
4735-41296	11	Fan 7 Blade CCW	<b>296161-22</b>
4735-41296	12	Fan 7 Blade CCW	<b>296150-419</b>

## BWA to ACS Crossover Listing

4735-41296	13	Fan 7 Blade CCW	<b>296150-18</b>
4735-41296	14	Fan 7 Blade CCW	<b>296100-24</b>
4735-41296	17	Fan 7 Blade CCW	<b>296100-17</b>
4735-41296	19	Fan 7 Blade CCW	<b>296150-19</b>
4735-41296	20	Fan 7 Blade CCW	<b>296150-23</b>
4735-41296	21	Fan 7 Blade CCW	<b>296161-262</b>
4735-41296	28	Fan 7 Blade CCW	<b>296400-14</b>
4735-41296	29	Fan 7 Blade CCW	<b>296100-15</b>
4735-41296	31	Fan 7 Blade CCW	<b>296161-15</b>
4735-41296	36	Fan 7 Blade CCW	<b>296100-16</b>
4735-41296	42	Fan 7 Blade CCW	<b>296400-16</b>
4735-41296	44	Fan 7 Blade CCW	<b>296161-17</b>
4735-41296	49	Fan 7 Blade CCW	<b>296100-18</b>
4735-41296	61	Fan 7 Blade CCW	<b>296100-20</b>
4735-41296	68	Fan 7 Blade CCW	<b>296150-21</b>
4735-41296	74	Fan 7 Blade CCW	<b>296100-22</b>
4735-41296	76	Fan 7 Blade CCW	<b>296200-22</b>
4735-41296	80	Fan 7 Blade CCW	<b>296100-23</b>
4735-41296	81	Fan 7 Blade CCW	<b>296150-23</b>
4735-41296	83	Fan 7 Blade CCW	<b>296200-23</b>
4735-41296	88	Fan 7 Blade CCW	<b>296161-24</b>
4735-41296	89	Fan 7 Blade CCW	<b>296200-24</b>
4735-41296	93	Fan 7 Blade CCW	<b>296100-25</b>
4735-41296	95	Fan 7 Blade CCW	<b>296161-25</b>
4735-41296	99	Fan 7 Blade CCW	<b>296150-26</b>
4735-41296	100	Fan 7 Blade CCW	<b>296200-26</b>
4735-41296	103	Fan 7 Blade CCW	<b>296100-27</b>
4735-41296	106	Fan 7 Blade CCW	<b>296200-27</b>
4735-41296	112	Fan 7 Blade CCW	<b>296256-28</b>
4735-41296	114	Fan 7 Blade CCW	<b>296400-28</b>
4735-41296	120	Fan 7 Blade CCW	<b>296161-19</b>
4735-41296	121	Fan 7 Blade CCW	<b>296161-17</b>
4735-41296	125	Fan 7 Blade CCW	<b>296161-579</b>
4735-41296	128	Fan 7 Blade CCW	<b>296100-698</b>
4735-41296	131	Fan 7 Blade CCW	<b>296200-700</b>
4735-41296	134	Fan 7 Blade CCW	<b>296200-622</b>
4735-41296	135	Fan 7 Blade CCW	<b>296200-600</b>
4735-41296	138	Fan 7 Blade CCW	<b>296200-698</b>
4735-41296	140	Fan 7 Blade CCW	<b>296100-368</b>
4735-41296	145	Fan 7 Blade CCW	<b>296161-360</b>
4735-41296	147	Fan 7 Blade CCW	<b>296325-18</b>
4735-41296	148	Fan 7 Blade CCW	<b>296150-368</b>
4735-41296	150	Fan 7 Blade CCW	<b>296325-419</b>
4735-41296	09	Fan 7 Blade CCW	<b>296100-28</b>
4735-41391	08	Fan 9 Blade Clockwise	<b>391256-32</b>
4735-41391	09	Fan 9 Blade Clockwise	<b>391500-32</b>

## BWA to ACS Crossover Listing

4735-41391	12	Fan 9 Blade Clockwise	<b>391256-31</b>
4735-41391	14	Fan 9 Blade Clockwise	<b>391100-30</b>
4735-41391	16	Fan 9 Blade Clockwise	<b>391500-30</b>
4735-41391	20	Fan 9 Blade Clockwise	<b>391500-29</b>
4735-41391	21	Fan 9 Blade Clockwise	<b>391200-28</b>
4735-41391	22	Fan 9 Blade Clockwise	<b>391100-28</b>
4735-41391	24	Fan 9 Blade Clockwise	<b>391500-28</b>
4735-41391	29	Fan 9 Blade Clockwise	<b>391500-27</b>
4735-41391	32	Fan 9 Blade Clockwise	<b>391256-26</b>
4735-41391	33	Fan 9 Blade Clockwise	<b>391325-26</b>
4735-41391	34	Fan 9 Blade Clockwise	<b>391500-26</b>
4735-41391	37	Fan 9 Blade Clockwise	<b>391256-25</b>
4735-41391	39	Fan 9 Blade Clockwise	<b>391500-25</b>
4735-41391	40	Fan 9 Blade Clockwise	<b>391100-24</b>
4735-41391	43	Fan 9 Blade Clockwise	<b>391325-24</b>
4735-41391	44	Fan 9 Blade Clockwise	<b>391500-24</b>
4735-41391	51	Fan 9 Blade Clockwise	<b>391200-22</b>
4735-41391	52	Fan 9 Blade Clockwise	<b>391256-22</b>
4735-41391	58	Fan 9 Blade Clockwise	<b>391500-749</b>
4735-41391	64	Fan 9 Blade Clockwise	<b>391400-28</b>
4735-41391	65	Fan 9 Blade Clockwise	<b>391400-680</b>
4735-41391	72	Fan 9 Blade Clockwise	<b>391400-25</b>
4735-41391	76	Fan 9 Blade Clockwise	<b>391400-30</b>
4735-41391	84	Fan 9 Blade Clockwise	<b>391205-30</b>
4735-41391	87	Fan 9 Blade Clockwise	<b>391205-32</b>
4735-41391	92	Fan 9 Blade Clockwise	<b>391500-599</b>
4735-41391	90	Fan 9 Blade Clockwise	<b>391500-700</b>
4735-41391	01	Fan 9 Blade Clockwise	<b>391256-30</b>
4735-41391	02	Fan 9 Blade Clockwise	<b>391200-30</b>
4735-41391	04	Fan 9 Blade Clockwise	<b>391256-29</b>
4735-41391	05	Fan 9 Blade Clockwise	<b>391256-28</b>
4735-41391	07	Fan 9 Blade Clockwise	<b>391200-32</b>
4735-41392	01	Fan 9 Blade Clockwise	<b>392256-30</b>
4735-41392	02	Fan 9 Blade Clockwise	<b>392200-30</b>
4735-41392	04	Fan 9 Blade Clockwise	<b>392256-29</b>
4735-41392	05	Fan 9 Blade Clockwise	<b>392256-28</b>
4735-41392	06	Fan 9 Blade Clockwise	<b>392100-32</b>
4735-41392	07	Fan 9 Blade Clockwise	<b>392200-32</b>
4735-41392	08	Fan 9 Blade Clockwise	<b>392256-32</b>
4735-41392	09	Fan 9 Blade Clockwise	<b>392500-32</b>
4735-41392	10	Fan 9 Blade Clockwise	<b>392100-31</b>
4735-41392	11	Fan 9 Blade Clockwise	<b>392200-31</b>
4735-41392	14	Fan 9 Blade Clockwise	<b>392100-30</b>
4735-41392	15	Fan 9 Blade Clockwise	<b>392325-30</b>
4735-41392	16	Fan 9 Blade Clockwise	<b>392500-30</b>
4735-41392	20	Fan 9 Blade Clockwise	<b>392500-29</b>

## BWA to ACS Crossover Listing

4735-41392	21	Fan 9 Blade Clockwise	<b>392100-28</b>
4735-41392	22	Fan 9 Blade Clockwise	<b>392200-28</b>
4735-41392	24	Fan 9 Blade Clockwise	<b>392500-28</b>
4735-41392	25	Fan 9 Blade Clockwise	<b>392100-27</b>
4735-41392	26	Fan 9 Blade Clockwise	<b>392200-27</b>
4735-41392	27	Fan 9 Blade Clockwise	<b>392256-27</b>
4735-41392	29	Fan 9 Blade Clockwise	<b>392500-27</b>
4735-41392	31	Fan 9 Blade Clockwise	<b>392200-26</b>
4735-41392	32	Fan 9 Blade Clockwise	<b>392256-26</b>
4735-41392	34	Fan 9 Blade Clockwise	<b>392500-26</b>
4735-41392	35	Fan 9 Blade Clockwise	<b>392100-25</b>
4735-41392	36	Fan 9 Blade Clockwise	<b>392200-25</b>
4735-41392	37	Fan 9 Blade Clockwise	<b>392256-25</b>
4735-41392	38	Fan 9 Blade Clockwise	<b>392325-25</b>
4735-41392	39	Fan 9 Blade Clockwise	<b>392500-25</b>
4735-41392	40	Fan 9 Blade Clockwise	<b>392100-24</b>
4735-41392	41	Fan 9 Blade Clockwise	<b>392200-24</b>
4735-41392	42	Fan 9 Blade Clockwise	<b>392256-24</b>
4735-41392	44	Fan 9 Blade Clockwise	<b>392500-24</b>
4735-41392	45	Fan 9 Blade Clockwise	<b>392100-23</b>
4735-41392	46	Fan 9 Blade Clockwise	<b>392200-23</b>
4735-41392	47	Fan 9 Blade Clockwise	<b>392256-23</b>
4735-41392	51	Fan 9 Blade Clockwise	<b>392200-22</b>
4735-41392	53	Fan 9 Blade Clockwise	<b>392325-22</b>
4735-41392	54	Fan 9 Blade Clockwise	<b>392500-22</b>
4735-41392	58	Fan 9 Blade Clockwise	<b>392500-749</b>
4735-41392	60	Fan 9 Blade Clockwise	<b>392200-724</b>
4735-41392	64	Fan 9 Blade Clockwise	<b>392400-28</b>
4735-41392	65	Fan 9 Blade Clockwise	<b>392400-679</b>
4735-41392	72	Fan 9 Blade Clockwise	<b>392400-25</b>
4735-41392	74	Fan 9 Blade Clockwise	<b>392400-27</b>
4735-41392	76	Fan 9 Blade Clockwise	<b>392400-30</b>
4735-41392	81	Fan 9 Blade Clockwise	<b>392205-28</b>
4735-41392	84	Fan 9 Blade Clockwise	<b>392205-30</b>
4735-41392	86	Fan 9 Blade Clockwise	<b>392200-800</b>
4735-41392	87	Fan 9 Blade Clockwise	<b>392205-32</b>
4735-41392	88	Fan 9 Blade Clockwise	<b>392369-32</b>
4735-41392	90	Fan 9 Blade Clockwise	<b>392500-700</b>
4735-41392	103	Fan 9 Blade Clockwise	<b>392256-679</b>
4735-41392	105	Fan 9 Blade Clockwise	<b>392100-652</b>
4735-41392	108	Fan 9 Blade Clockwise	<b>392161-22</b>
4735-41392	112	Fan 9 Blade Clockwise	<b>392500-679</b>
4735-41392	113	Fan 9 Blade Clockwise	<b>392256-749</b>
4735-41392	114	Fan 9 Blade Clockwise	<b>392500-722</b>
4735-41393	50	Fan 9 Blade Clockwise	<b>393100-22</b>
4735-41393	51	Fan 9 Blade Clockwise	<b>393200-22</b>

## BWA to ACS Crossover Listing

4735-41393	52	Fan 9 Blade Clockwise	<b>393256-22</b>
4735-41393	53	Fan 9 Blade Clockwise	<b>393325-22</b>
4735-41393	54	Fan 9 Blade Clockwise	<b>393500-22</b>
4735-41393	58	Fan 9 Blade Clockwise	<b>393500-749</b>
4735-41393	61	Fan 9 Blade Clockwise	<b>393256-28</b>
4735-41393	64	Fan 9 Blade Clockwise	<b>393400-28</b>
4735-41393	65	Fan 9 Blade Clockwise	<b>393400-680</b>
4735-41393	68	Fan 9 Blade Clockwise	<b>393200-763</b>
4735-41393	72	Fan 9 Blade Clockwise	<b>393400-25</b>
4735-41393	73	Fan 9 Blade Clockwise	<b>393400-26</b>
4735-41393	74	Fan 9 Blade Clockwise	<b>393400-27</b>
4735-41393	76	Fan 9 Blade Clockwise	<b>393400-30</b>
4735-41393	81	Fan 9 Blade Clockwise	<b>393205-28</b>
4735-41393	84	Fan 9 Blade Clockwise	<b>393205-30</b>
4735-41393	86	Fan 9 Blade Clockwise	<b>393200-800</b>
4735-41393	87	Fan 9 Blade Clockwise	<b>393205-32</b>
4735-41393	90	Fan 9 Blade Clockwise	<b>393500-698</b>
4735-41393	92	Fan 9 Blade Clockwise	<b>393500-600</b>
4735-41393	97	Fan 9 Blade Clockwise	<b>393200-768</b>
4735-41393	102	Fan 9 Blade Clockwise	<b>393325-21</b>
4735-41393	111	Fan 9 Blade Clockwise	<b>393500-622</b>
4735-41393	112	Fan 9 Blade Clockwise	<b>393400-620</b>
4735-41393	113	Fan 9 Blade Clockwise	<b>393500-640</b>
4735-41393	115	Fan 9 Blade Clockwise	<b>393500-700</b>
4735-41393	117	Fan 9 Blade Clockwise	<b>393256-749</b>
4735-41393	100	Fan 9 Blade Clockwise	<b>393205-31</b>
4735-41393	01	Fan 9 Blade Clockwise	<b>393256-30</b>
4735-41393	03	Fan 9 Blade Clockwise	<b>393200-29</b>
4735-41393	04	Fan 9 Blade Clockwise	<b>393256-29</b>
4735-41393	05	Fan 9 Blade Clockwise	<b>393256-28</b>
4735-41393	06	Fan 9 Blade Clockwise	<b>393100-32</b>
4735-41393	07	Fan 9 Blade Clockwise	<b>393200-32</b>
4735-41393	08	Fan 9 Blade Clockwise	<b>393256-32</b>
4735-41393	09	Fan 9 Blade Clockwise	<b>393500-32</b>
4735-41393	12	Fan 9 Blade Clockwise	<b>393256-31</b>
4735-41393	13	Fan 9 Blade Clockwise	<b>393500-31</b>
4735-41393	14	Fan 9 Blade Clockwise	<b>393100-30</b>
4735-41393	16	Fan 9 Blade Clockwise	<b>393500-30</b>
4735-41393	20	Fan 9 Blade Clockwise	<b>393500-29</b>
4735-41393	21	Fan 9 Blade Clockwise	<b>393100-28</b>
4735-41393	22	Fan 9 Blade Clockwise	<b>393200-28</b>
4735-41393	24	Fan 9 Blade Clockwise	<b>393500-28</b>
4735-41393	27	Fan 9 Blade Clockwise	<b>393256-27</b>
4735-41393	28	Fan 9 Blade Clockwise	<b>393325-27</b>
4735-41393	29	Fan 9 Blade Clockwise	<b>393500-27</b>
4735-41393	30	Fan 9 Blade Clockwise	<b>393100-26</b>

## BWA to ACS Crossover Listing

4735-41393	31	Fan 9 Blade Clockwise	<b>393200-26</b>
4735-41393	32	Fan 9 Blade Clockwise	<b>393256-26</b>
4735-41393	33	Fan 9 Blade Clockwise	<b>393325-26</b>
4735-41393	34	Fan 9 Blade Clockwise	<b>393500-26</b>
4735-41393	35	Fan 9 Blade Clockwise	<b>393100-25</b>
4735-41393	36	Fan 9 Blade Clockwise	<b>393200-25</b>
4735-41393	39	Fan 9 Blade Clockwise	<b>393500-25</b>
4735-41393	40	Fan 9 Blade Clockwise	<b>393100-24</b>
4735-41393	41	Fan 9 Blade Clockwise	<b>393200-24</b>
4735-41393	42	Fan 9 Blade Clockwise	<b>393256-24</b>
4735-41393	43	Fan 9 Blade Clockwise	<b>393325-24</b>
4735-41393	44	Fan 9 Blade Clockwise	<b>393500-24</b>
4735-41393	02	Fan 9 Blade Clockwise	<b>393200-30</b>
4735-42890	01	Fan 8 Blade Clockwise	<b>890369-38</b>
4735-42890	02	Fan 8 Blade Clockwise	<b>890369-34</b>
4735-42890	11	Fan 8 Blade Clockwise	<b>890200-38</b>
4735-42890	12	Fan 8 Blade Clockwise	<b>890256-38</b>
4735-42890	15	Fan 8 Blade Clockwise	<b>890500-38</b>
4735-42890	21	Fan 8 Blade Clockwise	<b>890200-36</b>
4735-42890	22	Fan 8 Blade Clockwise	<b>890256-36</b>
4735-42890	25	Fan 8 Blade Clockwise	<b>890500-36</b>
4735-42890	31	Fan 8 Blade Clockwise	<b>890200-34</b>
4735-42890	32	Fan 8 Blade Clockwise	<b>890256-34</b>
4735-42890	35	Fan 8 Blade Clockwise	<b>890500-34</b>
4735-42890	41	Fan 8 Blade Clockwise	<b>890200-32</b>
4735-42890	42	Fan 8 Blade Clockwise	<b>890256-32</b>
4735-42890	45	Fan 8 Blade Clockwise	<b>890500-32</b>
4735-42904	02	Fan 8 Blade Clockwise	<b>904200-32</b>
4735-42904	04	Fan 8 Blade Clockwise	<b>904200-30</b>
4735-42904	06	Fan 8 Blade Clockwise	<b>904200-28</b>
4735-42904	07	Fan 8 Blade Clockwise	<b>904256-32</b>
4735-42904	08	Fan 8 Blade Clockwise	<b>904256-30</b>
4735-42904	09	Fan 8 Blade Clockwise	<b>904256-28</b>
4735-42904	10	Fan 8 Blade Clockwise	<b>904500-32</b>
4735-42904	12	Fan 8 Blade Clockwise	<b>904205-32</b>
4735-42904	13	Fan 8 Blade Clockwise	<b>904205-30</b>
4735-42904	14	Fan 8 Blade Clockwise	<b>904205-28</b>
4735-42904	15	Fan 8 Blade Clockwise	<b>904500-26</b>
4735-42904	18	Fan 8 Blade Clockwise	<b>904256-26</b>
4735-42904	19	Fan 8 Blade Clockwise	<b>904500-30</b>
4735-42904	21	Fan 8 Blade Clockwise	<b>904369-30</b>
4735-42904	22	Fan 8 Blade Clockwise	<b>904256-24</b>
4735-42904	24	Fan 8 Blade Clockwise	<b>904200-26</b>
4735-42904	25	Fan 8 Blade Clockwise	<b>904256-25</b>
4735-42904	27	Fan 8 Blade Clockwise	<b>904256-692</b>
4735-42904	28	Fan 8 Blade Clockwise	<b>904500-28</b>

## BWA to ACS Crossover Listing

4735-42904	31	Fan 8 Blade Clockwise	<b>904500-24</b>
4735-42904	32	Fan 8 Blade Clockwise	<b>904369-32</b>
4735-42904	33	Fan 8 Blade Clockwise	<b>904200-24</b>
4735-42904	36	Fan 8 Blade Clockwise	<b>904256-23</b>
4735-42904	40	Fan 8 Blade Clockwise	<b>904100-24</b>
4735-42904	41	Fan 8 Blade Clockwise	<b>904100-26</b>
4735-42904	42	Fan 8 Blade Clockwise	<b>904100-28</b>
4735-42904	43	Fan 8 Blade Clockwise	<b>904100-30</b>
4735-42904	64	Fan 8 Blade Clockwise	<b>904400-26</b>
4735-42904	70	Fan 8 Blade Clockwise	<b>904256-29</b>
4735-42904	71	Fan 8 Blade Clockwise	<b>904256-30</b>
4735-42904	75	Fan 8 Blade Clockwise	<b>904205-25</b>
4735-42904	77	Fan 8 Blade Clockwise	<b>904200-25</b>
4735-42904	95	Fan 8 Blade Clockwise	<b>904205-724</b>
4735-42904	98	Fan 8 Blade Clockwise	<b>904500-22</b>
4735-42904	99	Fan 8 Blade Clockwise	<b>904500-572</b>
4735-42904	101	Fan 8 Blade Clockwise	<b>904200-31</b>
4735-42904	102	Fan 8 Blade Clockwise	<b>904500-29</b>
4735-42904	103	Fan 8 Blade Clockwise	<b>904200-32</b>
4735-42904	104	Fan 8 Blade Clockwise	<b>904200-30</b>
4735-42904	106	Fan 8 Blade Clockwise	<b>904256-750</b>
4735-42904	29	Fan 8 Blade Clockwise	<b>904205-26</b>
4735-43217	55	Fan 9 Blade Clockwise	<b>440100-20</b>
4735-43217	58	Fan 9 Blade Clockwise	<b>440100-552</b>
4735-43217	60	Fan 9 Blade Clockwise	<b>440150-24</b>
4735-43217	61	Fan 9 Blade Clockwise	<b>440161-600</b>
4735-43217	63	Fan 9 Blade Clockwise	<b>440100-622</b>
4735-43217	49	Fan 9 Blade Clockwise	<b>440325-21</b>
4735-43217	50	Fan 9 Blade Clockwise	<b>440161-21</b>
4735-43217	51	Fan 9 Blade Clockwise	<b>440256-20</b>
4735-43217	52	Fan 9 Blade Clockwise	<b>440200-20</b>
4735-43217	53	Fan 9 Blade Clockwise	<b>440369-20</b>
4735-43217	54	Fan 9 Blade Clockwise	<b>440500-20</b>
4735-43217	01	Fan 9 Blade Clockwise	<b>440256-26</b>
4735-43217	02	Fan 9 Blade Clockwise	<b>440200-26</b>
4735-43217	03	Fan 9 Blade Clockwise	<b>440500-26</b>
4735-43217	04	Fan 9 Blade Clockwise	<b>440100-26</b>
4735-43217	06	Fan 9 Blade Clockwise	<b>440369-26</b>
4735-43217	08	Fan 9 Blade Clockwise	<b>440500-22</b>
4735-43217	10	Fan 9 Blade Clockwise	<b>440325-20</b>
4735-43217	11	Fan 9 Blade Clockwise	<b>440100-25</b>
4735-43217	12	Fan 9 Blade Clockwise	<b>440100-24</b>
4735-43217	13	Fan 9 Blade Clockwise	<b>440100-23</b>
4735-43217	14	Fan 9 Blade Clockwise	<b>440100-22</b>
4735-43217	15	Fan 9 Blade Clockwise	<b>440161-22</b>
4735-43217	16	Fan 9 Blade Clockwise	<b>440325-24</b>

## BWA to ACS Crossover Listing

4735-43217	17	Fan 9 Blade Clockwise	<b>440325-26</b>
4735-43217	18	Fan 9 Blade Clockwise	<b>440161-26</b>
4735-43217	19	Fan 9 Blade Clockwise	<b>440256-25</b>
4735-43217	20	Fan 9 Blade Clockwise	<b>440200-25</b>
4735-43217	21	Fan 9 Blade Clockwise	<b>440369-25</b>
4735-43217	22	Fan 9 Blade Clockwise	<b>440500-25</b>
4735-43217	24	Fan 9 Blade Clockwise	<b>440325-25</b>
4735-43217	26	Fan 9 Blade Clockwise	<b>440256-24</b>
4735-43217	27	Fan 9 Blade Clockwise	<b>440200-24</b>
4735-43217	28	Fan 9 Blade Clockwise	<b>440369-24</b>
4735-43217	29	Fan 9 Blade Clockwise	<b>440500-24</b>
4735-43217	31	Fan 9 Blade Clockwise	<b>440161-24</b>
4735-43217	32	Fan 9 Blade Clockwise	<b>440256-23</b>
4735-43217	33	Fan 9 Blade Clockwise	<b>440200-23</b>
4735-43217	34	Fan 9 Blade Clockwise	<b>440369-23</b>
4735-43217	36	Fan 9 Blade Clockwise	<b>440325-23</b>
4735-43217	37	Fan 9 Blade Clockwise	<b>440161-23</b>
4735-43217	38	Fan 9 Blade Clockwise	<b>440256-22</b>
4735-43217	39	Fan 9 Blade Clockwise	<b>440200-22</b>
4735-43217	40	Fan 9 Blade Clockwise	<b>440369-22</b>
4735-43217	42	Fan 9 Blade Clockwise	<b>440325-22</b>
4735-43217	43	Fan 9 Blade Clockwise	<b>440256-21</b>
4735-43217	44	Fan 9 Blade Clockwise	<b>440200-21</b>
4735-43217	45	Fan 9 Blade Clockwise	<b>440369-21</b>
4735-43217	46	Fan 9 Blade Clockwise	<b>440500-21</b>
4735-43217	47	Fan 9 Blade Clockwise	<b>440100-21</b>
4735-43217	09	Fan 9 Blade Clockwise	<b>440500-23</b>
4735-43217	25	Fan 9 Blade Clockwise	<b>440161-25</b>
4735-43368	21	Fan 9 Blade CCW	<b>444369-25</b>
4735-43368	22	Fan 9 Blade CCW	<b>444500-25</b>
4735-43368	24	Fan 9 Blade CCW	<b>444325-25</b>
4735-43368	25	Fan 9 Blade CCW	<b>444161-25</b>
4735-43368	26	Fan 9 Blade CCW	<b>444256-24</b>
4735-43368	27	Fan 9 Blade CCW	<b>444200-24</b>
4735-43368	01	Fan 9 Blade CCW	<b>444256-28</b>
4735-43368	02	Fan 9 Blade CCW	<b>444200-26</b>
4735-43368	03	Fan 9 Blade CCW	<b>444500-26</b>
4735-43368	04	Fan 9 Blade CCW	<b>444100-26</b>
4735-43368	06	Fan 9 Blade CCW	<b>444369-26</b>
4735-43368	08	Fan 9 Blade CCW	<b>444500-22</b>
4735-43368	09	Fan 9 Blade CCW	<b>444500-23</b>
4735-43368	10	Fan 9 Blade CCW	<b>444325-20</b>
4735-43368	11	Fan 9 Blade CCW	<b>444100-25</b>
4735-43368	12	Fan 9 Blade CCW	<b>444100-24</b>
4735-43368	13	Fan 9 Blade CCW	<b>444100-23</b>
4735-43368	14	Fan 9 Blade CCW	<b>444100-22</b>

## BWA to ACS Crossover Listing

4735-43368	15	Fan 9 Blade CCW	444161-22
4735-43368	16	Fan 9 Blade CCW	444325-24
4735-43368	17	Fan 9 Blade CCW	444325-26
4735-43368	18	Fan 9 Blade CCW	444161-26
4735-43368	19	Fan 9 Blade CCW	444256-25
4735-43368	20	Fan 9 Blade CCW	444200-25
4735-43368	28	Fan 9 Blade CCW	444369-24
4735-43368	29	Fan 9 Blade CCW	444500-24
4735-43368	31	Fan 9 Blade CCW	444161-24
4735-43368	32	Fan 9 Blade CCW	444256-23
4735-43368	33	Fan 9 Blade CCW	444200-23
4735-43368	34	Fan 9 Blade CCW	444369-23
4735-43368	36	Fan 9 Blade CCW	444325-23
4735-43368	37	Fan 9 Blade CCW	444161-23
4735-43368	38	Fan 9 Blade CCW	444256-22
4735-43368	39	Fan 9 Blade CCW	444200-22
4735-43368	40	Fan 9 Blade CCW	444369-22
4735-43368	42	Fan 9 Blade CCW	444325-22
4735-43368	43	Fan 9 Blade CCW	444256-21
4735-43368	44	Fan 9 Blade CCW	444200-21
4735-43368	45	Fan 9 Blade CCW	444369-21
4735-43368	46	Fan 9 Blade CCW	444500-21
4735-43368	47	Fan 9 Blade CCW	444100-21
4735-43368	49	Fan 9 Blade CCW	444325-21
4735-43368	50	Fan 9 Blade CCW	444161-21
4735-43368	51	Fan 9 Blade CCW	444256-20
4735-43368	52	Fan 9 Blade CCW	444200-20
4735-43368	53	Fan 9 Blade CCW	444369-20
4735-43368	54	Fan 9 Blade CCW	444500-20
4735-43368	55	Fan 9 Blade CCW	444100-20
4735-43368	58	Fan 9 Blade CCW	444150-23
4735-43368	59	Fan 9 Blade CCW	444500-600
4735-43368	60	Fan 9 Blade CCW	444150-592
4735-43368	62	Fan 9 Blade CCW	444150-25
4735-43440	01	Fan 9 Blade Clockwise	440256-32
4735-43440	02	Fan 9 Blade Clockwise	440200-32
4735-43440	03	Fan 9 Blade Clockwise	440500-32
4735-43440	04	Fan 9 Blade Clockwise	440100-32
4735-43440	05	Fan 9 Blade Clockwise	440256-31
4735-43440	06	Fan 9 Blade Clockwise	440200-31
4735-43440	07	Fan 9 Blade Clockwise	440500-31
4735-43440	08	Fan 9 Blade Clockwise	440100-31
4735-43440	09	Fan 9 Blade Clockwise	440256-30
4735-43440	10	Fan 9 Blade Clockwise	440200-30
4735-43440	11	Fan 9 Blade Clockwise	440500-30
4735-43440	13	Fan 9 Blade Clockwise	440256-29

## BWA to ACS Crossover Listing

4735-43440	14	Fan 9 Blade Clockwise	<b>440200-29</b>
4735-43440	15	Fan 9 Blade Clockwise	<b>440500-29</b>
4735-43440	16	Fan 9 Blade Clockwise	<b>440100-29</b>
4735-43440	17	Fan 9 Blade Clockwise	<b>440256-28</b>
4735-43440	18	Fan 9 Blade Clockwise	<b>440200-28</b>
4735-43440	19	Fan 9 Blade Clockwise	<b>440500-28</b>
4735-43440	20	Fan 9 Blade Clockwise	<b>440100-28</b>
4735-43440	21	Fan 9 Blade Clockwise	<b>440256-27</b>
4735-43440	22	Fan 9 Blade Clockwise	<b>440200-27</b>
4735-43440	23	Fan 9 Blade Clockwise	<b>440500-27</b>
4735-43440	24	Fan 9 Blade Clockwise	<b>440100-27</b>
4735-43440	25	Fan 9 Blade Clockwise	<b>440256-26</b>
4735-43440	26	Fan 9 Blade Clockwise	<b>440200-26</b>
4735-43440	27	Fan 9 Blade Clockwise	<b>440500-26</b>
4735-43440	28	Fan 9 Blade Clockwise	<b>440100-26</b>
4735-43440	29	Fan 9 Blade Clockwise	<b>440205-30</b>
4735-43440	30	Fan 9 Blade Clockwise	<b>440161-700</b>
4735-43440	12	Fan 9 Blade Clockwise	<b>440100-30</b>

.29 (7mm)  
DISH REAR

.29 (7mm)  
DISH FWD

.75 (19mm)  
DISH REAR

FLAT

.75 (19mm)  
DISH FWD

CCW - Counter Clockwise

CW - Clockwise

The configuration of the disk center section, by model number, is shown below:

The configuration of the disk center section, by model number, is shown below:

AIRFLOW

AIRFLOW

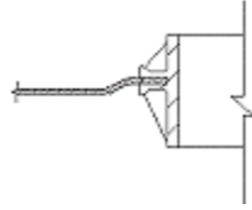
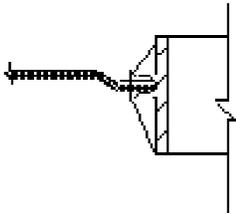
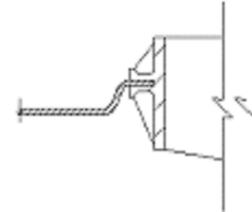
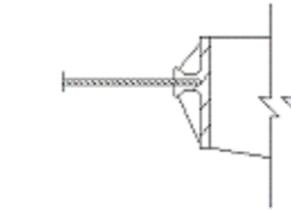
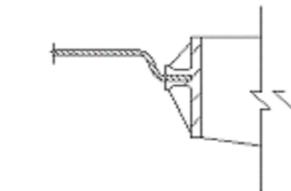
MODELS

MODELS

MODELS

MODELS

MODELS



001  
111  
215  
329  
367  
391  
439  
443

002  
112  
135  
219  
296  
330  
368  
392  
440  
444  
449

482  
890

003  
134  
217  
331  
393  
441  
445  
483

904

828  
905

American Cooling Systems P/N	Diameter (min-max) (in)	Blade Count	Fan Rotation	Hub Configuration	Max Projected Width (in)	Front to Back (in)	Back to Back (in)	Hub Width (in)	Hub Diameter (in)
001XXX	24-34	11	CW	DF	3.625				
002XXX	24-35	11	CW	Flat	3.625				
003XXX	24-36	11	CW	DR	3.625				
134XXX	20-32	8	CW	DR	2.970	2.015	0.955	2.970	11.570
135XXX	20-32	8	CW	Flat	2.970	1.210	1.760	2.970	11.510
215XXX	20-38	9	CW	DF	5.050	1.250	3.800	2.930	10.600
216XXX	20-38	9	CW	Flat	5.050	2.004	3.050	2.930	10.600
217XXX	20-38	9	CW	DR	5.050	2.750	2.300	2.930	10.600
296XXX	14-28	7	CCW	Flat	4.280	1.830	1.950	1.950	7.600
367XXX	20-38	9	CCW	DF	5.050	1.190	3.850	2.930	10.600
368XXX	20-38	9	CCW	Flat	5.050	1.940	3.100	2.930	10.600
369XXX	20-38	9	CCW	DR	5.050	2.690	2.350	2.930	10.600
391XXX	20-32	9	CW	DF	3.565	0.498	3.067	2.930	10.600
392XXX	20-32	9	CW	Flat	3.565	1.270	2.295	2.930	10.600
393XXX	20-32	9	CW	DR	3.565	1.990	1.575	2.930	10.600
439XXX	20-32	9	CW	DF	3.340	0.690	2.650	3.010	10.600
440XXX	20-32	9	CW	Flat	3.340	1.440	1.900	3.010	10.600
441XXX	20-32	9	CW	DR	3.340	2.190	1.150	3.010	10.600
443XXX	20-32	9	CCW	DF	3.340	0.690	2.650	3.010	10.600
444XXX	20-32	9	CCW	Flat	3.340	1.440	1.900	3.010	10.600
445XXX	20-32	9	CCW	DR	3.340	2.190	1.150	3.100	10.600
449XXX	14-24	10	CW	Flat	2.275	1.132	1.143	2.000	7.596
482XXX	20-32	6	CW	Flat	3.089	1.141	1.948	2.930	10.600
483XXX	20-32	6	CW	DR	3.089	1.891	1.198	2.930	10.600
828XXX	20-36	7	CCW	DR	2.760	1.450	1.250	2.760	10.600
890XXX	20-38	8	CW	Flat	3.247	1.210	2.037	3.098	11.510
904XXX	20-32	8	CW	DF	2.970	0.945	2.025	2.970	11.510
905XXX	20-32	8	CW	DR	2.970	1.573	1.397	2.970	11.510
DR= Dish Rearward		Flat= Flat Dish		DF= Dish Forward					

## FAL to ACS Crossover Listing

FLEXALITE	ACS	BLADES	DIA	PILOT	B/C	ROTATION
4201	449200-20	10	20	2	3.5	CW
4701	449200-20	10	20	2	3.5	CW
4211	449200-21	10	21	2	3.5	CW
4711	449200-21	10	21	2	3.5	CW
4221	449200-22	10	22	2	3.5	CW
4721	449200-22	10	22	2	3.5	CW
4241	483200-24	6	24	2	3.5	CW
4741	483200-24	6	24	2	3.5	CW
6011	904200-24	8	24	2	3.5	CW
6015	904200-24	8	24	2	3.5	CW
6511	393200-24	8	24	2	3.5	CW
8011	828200-24	7	24	2	3.5	CCW
8012	828205-24	7	24	2.053	3.5/3.88	CCW
8511	828200-24	7	24	2	3.5	CCW
8512	828205-24	7	24	2.053	3.5/3.88	CCW
6061	904200-26	8	26	2	3.5	CW
6065	904500-26	8	26	5	6	CW
6067	904369-26	8	26	3.687	4.63	CW
6261	483200-26	8	26	2	3.5	CW
6267	463369-26	6	26	3.687	4.63	CW
6561	904200-26	8	26	2	3.5	CW
6565	904500-26	8	26	5	6	CW
6567	904369-26	8	26	3.687	4.63	CW
6861	392100-26	9	26	2	3.5	CW
6961	393200-26	8	26	2	3.5	CW
6967	393369-26	8	26	3.687	4.63	CW
8061	828200-26	7	26	2	3.5	CCW
8062	828205-26	7	26	2.053	3.5/3.88	CCW
8561	828200-26	7	26	2	3.5	CCW
8562	828205-26	7	26	2.053	3.5/3.88	CCW
6081	904200-28	8	28	2	3.5	CW
6085	904500-28	8	28	5	6	CW
6087	904369-28	8	28	3.687	4.63	CW
6281	483200-28	6	28	2	3.5	CW
6287	483369-28	6	28	3.687	4.63	CW
6581	904200-28	8	28	2	3.5/3.88	CW
8585	904500-28	8	28	5	6	CW
6587	904369-28	8	28	3.687	4.63	CW
6681	392200-28	9	28	2	3.5	CW
6881	392200-28	9	28	2	3.5	CW
6981	393200-28	8	28	2	3.5	CW
8081	828200-28	7	28	2	3.5	CCW
8082	828205-28	7	28	2.053	3.5/3.88	CCW
8581	828200-28	7	28	2	3.5	CCW
8582	828205-28	7	28	2.053	3.5/3.88	CCW
6001	904200-30	8	30	2	3.5	CW
6007	904369-30	8	30	3.687	4.63	CW
6201	483200-30	6	30	2	3.5	CW
6207	483369-30	6	30	3.687	4.63	CW
6501	904200-30	8	30	2	3.5	CW
6507	904369-30	8	30	3.687	4.63	CW
6601	392200-30	9	30	2	3.5	CW
6801	392200-30	9	30	2	3.5	CW
6831	391200-30	9	30	2	3.5	CW
6901	393200-30	8	30	2	3.5	CW

## FAL to ACS Crossover Listing

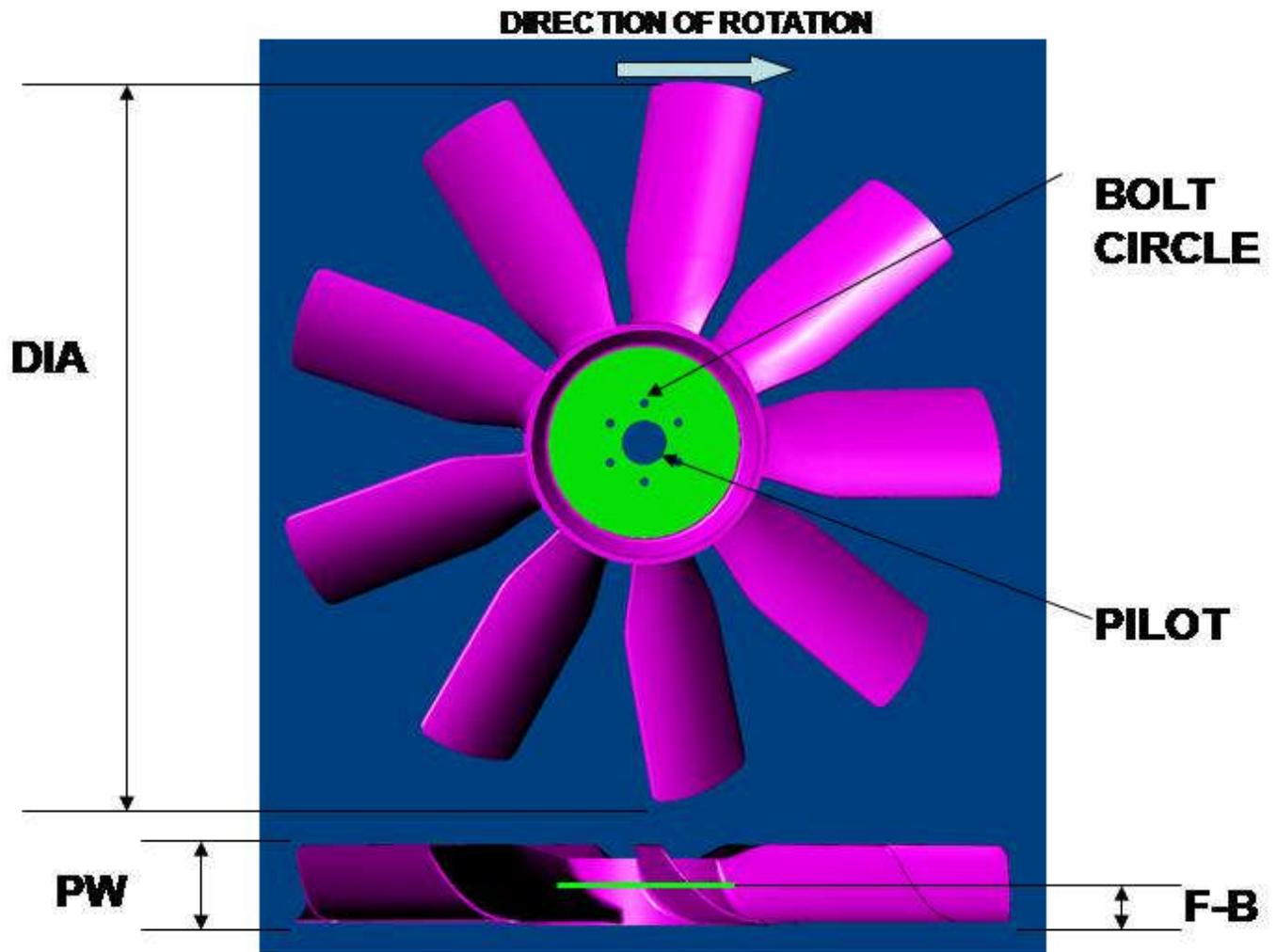
FLEXALITE	ACS	BLADES	DIA	PILOT	B/C	ROTATION
6907	393369-30	8	30	3.687	4.63	CW
8001	828200-30	7	30	2	3.5	CCW
8002	828205-30	7	30	2.053	3.5/3.88	CCW
8501	828200-30	7	30	2	3.5	CCW
8502	828205-30	7	30	2.053	3.5/3.88	CCW
6021	904200-30	8	32	2	3.5	CW
6027	904369-32	8	32	3.687	4.63	CW
6221	483200-32	6	32	2	3.5	CW
6227	483369-32	6	32	3.687	4.63	CW
6521	904200-32	8	32	2	3.5	CW
6527	904369-32	8	32	3.687	4.63	CW
6921	393200-32	8	32	2	3.5	CW
6927	393369-32	8	32	3.687	4.63	CW
8021	828200-32	7	32	2	3.5	CCW
8022	828205-32	7	32	2.053	3.5/3.88	CCW
8521	828200-32	7	32	2	3.5	CCW
8522	828205-32	7	32	2.053	3.5/3.88	CCW
8041	828200-34	7	34	2	3.5	CCW
8042	828205-32	7	34	2.053	3.5/3.88	CCW
8042	828200-34	7	34	2	3.5	CCW
8541	828200-34	7	34	2	3.5	CCW
8542	828205-34	7	34	2.053	3.5/3.88	CCW
80661	828200-36	7	36	2	3.5	CCW
80662	828205-36	7	36	2.053	3.88	CCW
85661	828200-36	7	36	2	3.5	CCW
85662	828205-36	7	36	2.053	3.5/3.88	CCW
8501	828200-30	7	30	2	3.5	CCW
8502	828205-30	7	30	2.053	3.5/3.88	CCW
6021	904200-30	8	32	2	3.5	CW
6027	904369-32	8	32	3.687	4.63	CW
6221	483200-32	6	32	2	3.5	CW
6227	483369-32	6	32	3.687	4.63	CW
6521	904200-32	8	32	2	3.5	CW
6527	904369-32	8	32	3.687	4.63	CW
6921	393200-32	8	32	2	3.5	CW
6927	393369-32	8	32	3.687	4.63	CW
8021	828200-32	7	32	2	3.5	CCW
8022	828205-32	7	32	2.053	3.5/3.88	CCW
8521	828200-32	7	32	2	3.5	CCW
8522	828205-32	7	32	2.053	3.5/3.88	CCW
8041	828200-34	7	34	2	3.5	CCW
8042	828205-32	7	34	2.053	3.5/3.88	CCW
8042	828200-34	7	34	2	3.5	CCW
8541	828200-34	7	34	2	3.5	CCW
8542	828205-34	7	34	2.053	3.5/3.88	CCW
80661	828200-36	7	36	2	3.5	CCW
80662	828205-36	7	36	2.053	3.88	CCW
85661	828200-36	7	36	2	3.5	CCW
85662	828205-36	7	36	2.053	3.5/3.88	CCW

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### REQUIRED INFORMATION

- 1. CUSTOMER \_\_\_\_\_
- 2. PHONE NUMBER \_\_\_\_\_
- 3. FAX NUMBER \_\_\_\_\_
- 4. NUMBER OF BLADES \_\_\_\_\_
- 5. BOLT CIRCLE DIAMETER \_\_\_\_\_
- 6. BOLT HOLE DIAMETER \_\_\_\_\_
- 7. NUMBER OF BOLT HOLES \_\_\_\_\_
- 8. PILOT \_\_\_\_\_
- 9. PW \_\_\_\_\_
- 10. F-B \_\_\_\_\_
- 11. DIRECTION OF ROTATION \_\_\_\_\_
- 12. FAN DIAMETER \_\_\_\_\_

For faster service on fan applications, please have the information from the previous page available.

Remember to allow for the recommended clearances, to the Radiator and any engine obstruction. (Ref. Page 10)

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# American Cooling Systems, LLC

3099 Wilson Drive NW. , Grand Rapids, Michigan 49534 616.954.0280 Voice 616.954.0283 Fax

## WARRANTY

American Cooling Systems, LLC warrants all of its products to be free from defects in material and workmanship. This warranty is subject to the following periods, limitations, conditions and procedures:

### WARRANTY PERIODS

#### AMERICAN COOLIN SYSTEMS FANS:

A. If installed on a new or used on-highway vehicle, the warranty period is thirty-six (36) months from original installation or for 350,000 vehicle miles of fan usage, whichever comes first, or

B. If installed on a new or used off-highway vehicle or stationary engine, the warranty period is twenty (24) months from original installation or for 5,000 hours of engine operation, whichever comes first.

The original installation date and the miles of fan usage or hours of engine operation must be verified to the satisfaction of American Cooling Systems. If the original installation date cannot be so verified then it will be set as the date ninety (90) days from the date of manufacture as stamped on the fan. For used vehicles or engines the beginning and ending milage or hours of operation must be documented.

### LIMITATIONS

**THIS WARRANTY IS LIMITED TO REPAIRING OR REPLACING ANY GOODS THAT ARE PROVEN TO BE DEFECTIVE, WHICH IS THE SOLE AND EXCLUSIVE REMEDY, AND AMERICAN COOLING SYSTEMS, LLC IN NO EVENT SHALL HAVE ANY LIABILITY FOR PAYING INCIDENTAL OR CONSEQUENTIAL DAMAGES. NOTWITHSTANDING ANY OF THESE TERMS AND CONDITIONS, THE WARRANTIES SET FORTH SHALL APPLY IN CONNECTION WITH ANY SALES OF GOODS BY AMERICAN AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

### CONDITIONS

This warranty only applies to products properly installed, maintained and serviced that have been determined by American Cooling Systems, LLC to have been defective in manufacture. This warranty does not apply to products subjected to misuse, accident damage, alteration or unauthorized repair. Claims may only be made by the original purchaser or user and must be authorized in writing by an American Cooling Sytems, LLC Represetative, prior to incurring any expenses such as labor. All warranty repair or replacement work must be performed at an American Cooling Systems,LLC authorized dealer or distributor. All parts repaired or replaced under this warranty will continue to be covered by this warranty for the remainder of the original warranty period only. American Cooling Systems, LLC will prepay only, freight charges for authorized return of parts to American Cooling Systems,LLC and will pay all freight charges to deliver replacement parts to claimant.

### WARRANTY CLAIM PROCEDURES

To make a claim under this warranty, the claimant must, within 60 days of discovering an alleged product defect, deliver the product to an authorized American distributor, dealer OR TO THE American factory and mail a completed AMERICAN COOLING SYSTEMS Warranty Claim Form. Questions concerning this Warranty and requests for warranty claim forms may be handled by calling the AMERICAN COOLING SYSTEMS Warranty Department @ 616-954-0280 during regular business hours. All claim forms must be sent to the following address:

AMERICAN COOLING SYSTEMS, LLC  
WARRANTY DEPARTMENT  
3099 WILSON DRIVE NW.  
GRAND RAPIDS, MI. 49534

The claimant must retain all components that are replaced in connection with the performance of warranty work until such time as AMERICAN COOLING SYSTEMS, LLC reaches a final disposition of the warranty claim.

# **Achieving Customer Satisfaction**

1.800.974.FANS (3267)