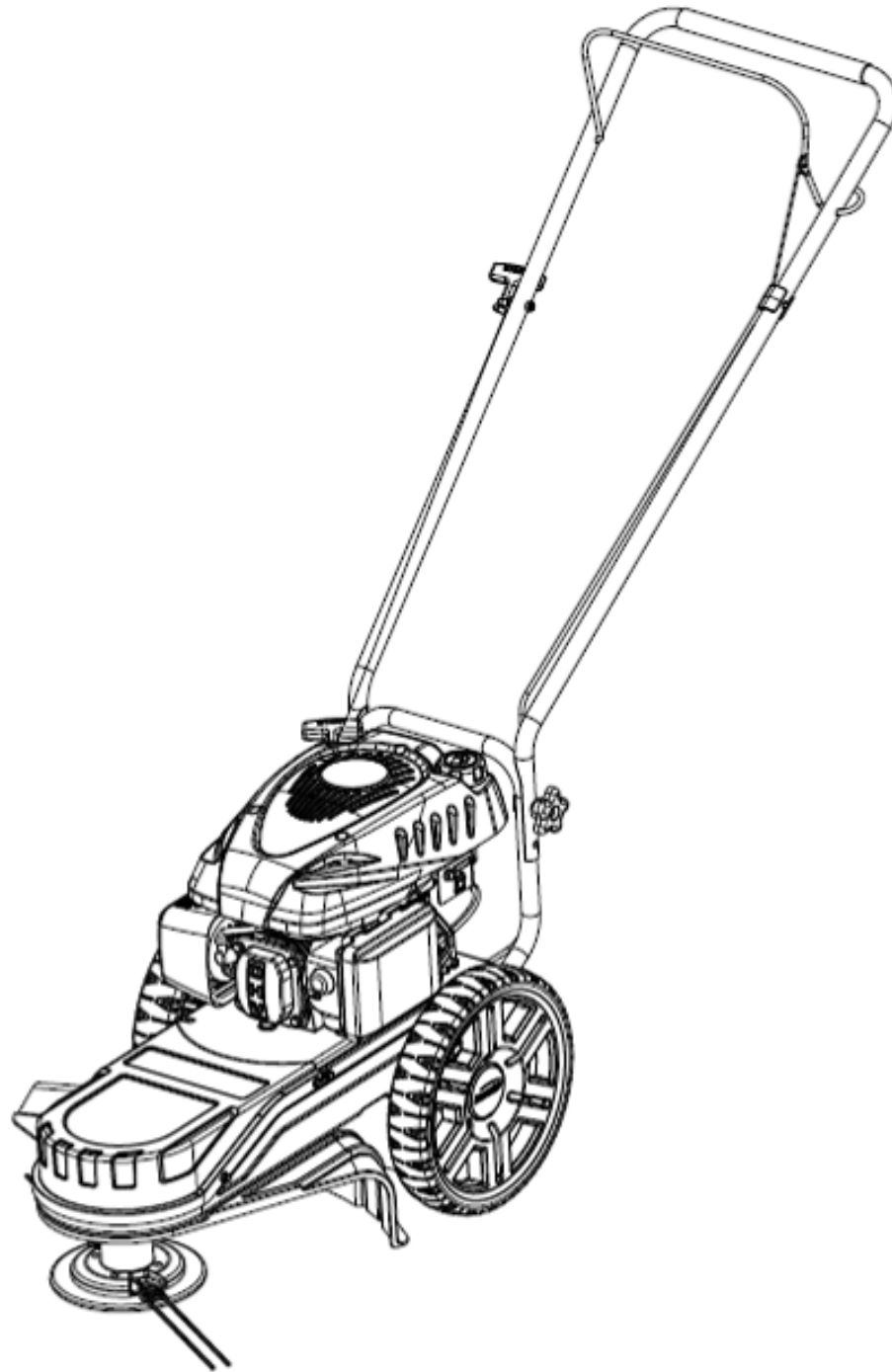




ILLUSTRATED PARTS BOOK

PWFT14022



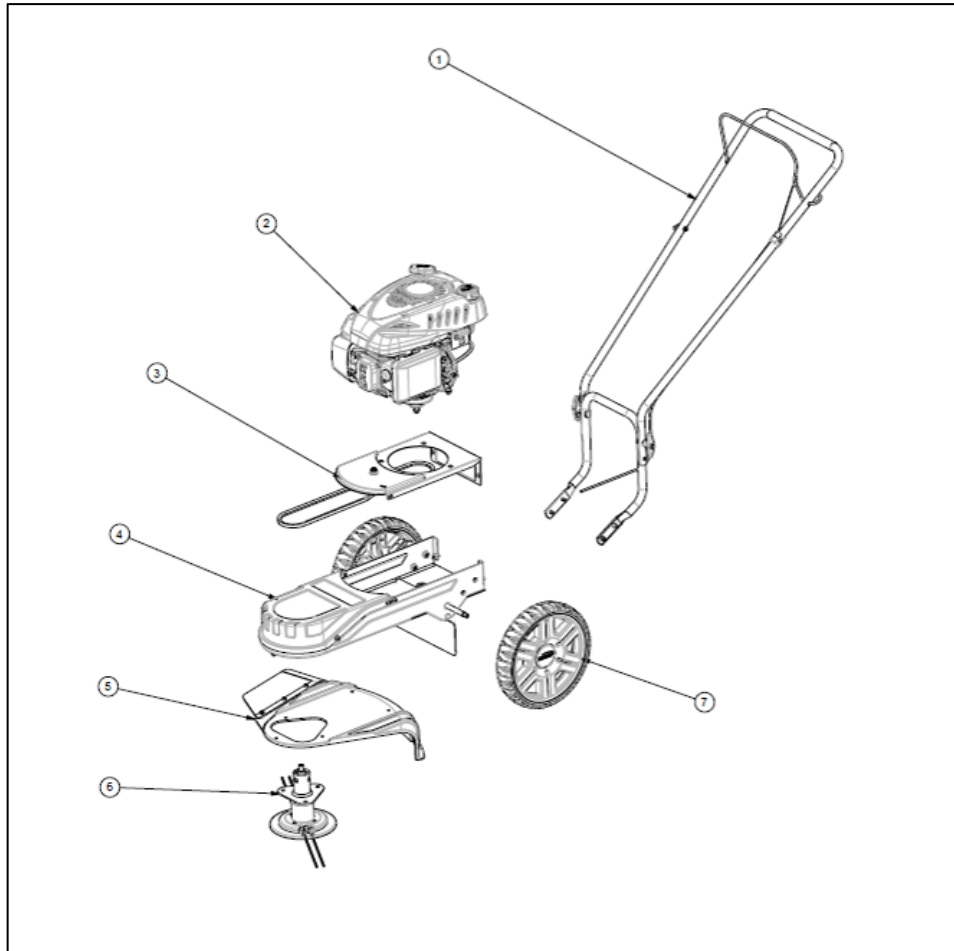
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### RV140 Engine EPA3 (A202223)

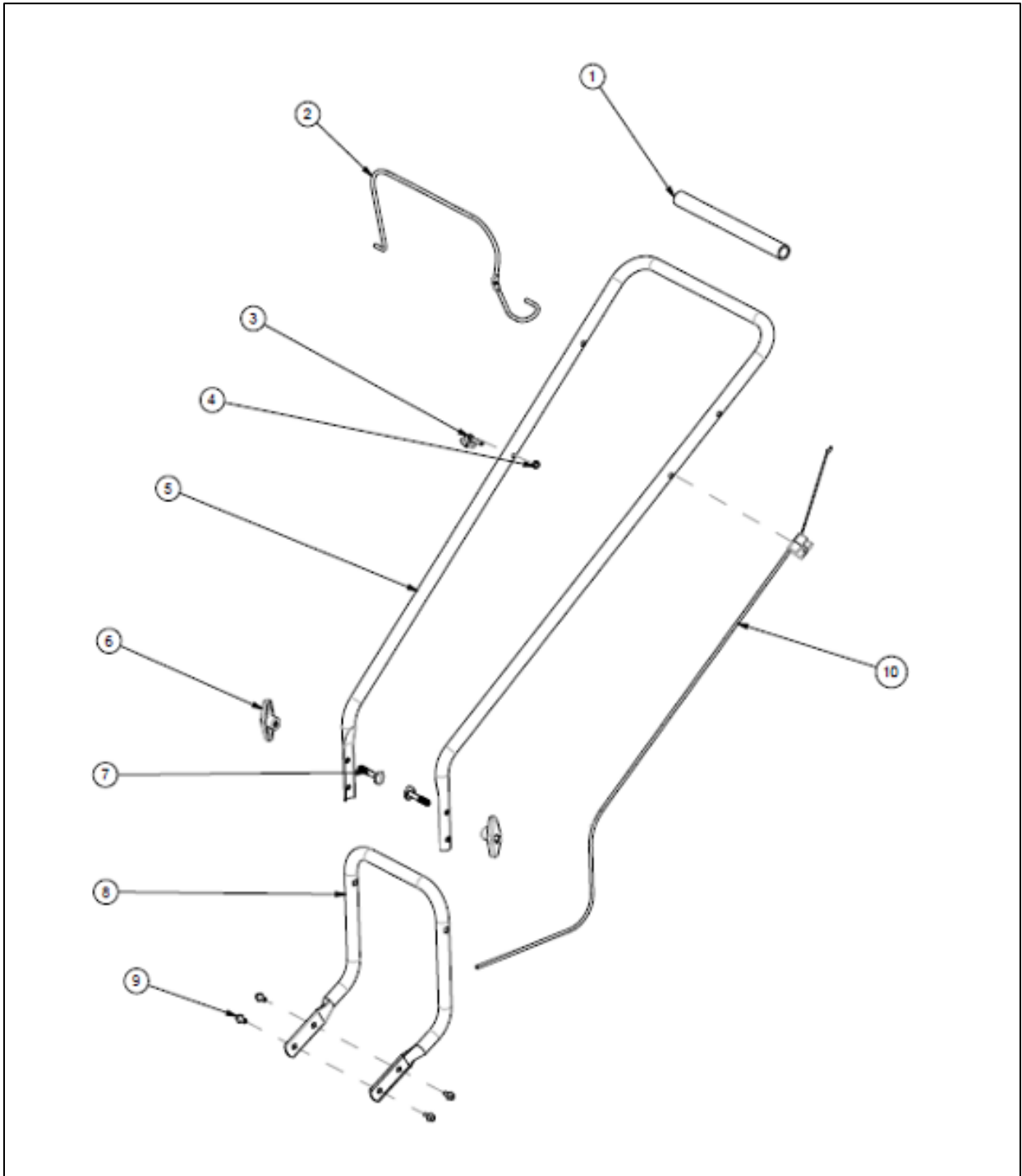
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## Top Level Assembly



| REF. NO. | Description           | Page           | RQD |
|----------|-----------------------|----------------|-----|
| 1        | Handle Assembly       | See Page 3-4   | 1   |
| 2        | Engine Assembly       | See Page 5     | 1   |
| 3        | Drive System          | See Page 6     | 1   |
| 4        | Frame Assembly        | See Page 7     | 1   |
| 5        | Shroud Assembly       | See Page 8     | 1   |
| 6        | Cutting Head Assembly | See Page 9-10  | 1   |
| 7        | Wheel Assembly        | See Page 11    | 2   |
| -        | Engine Breakdown      | See Page 12-21 | 1   |
| -        | Decals                | See Page 22-23 | 1   |

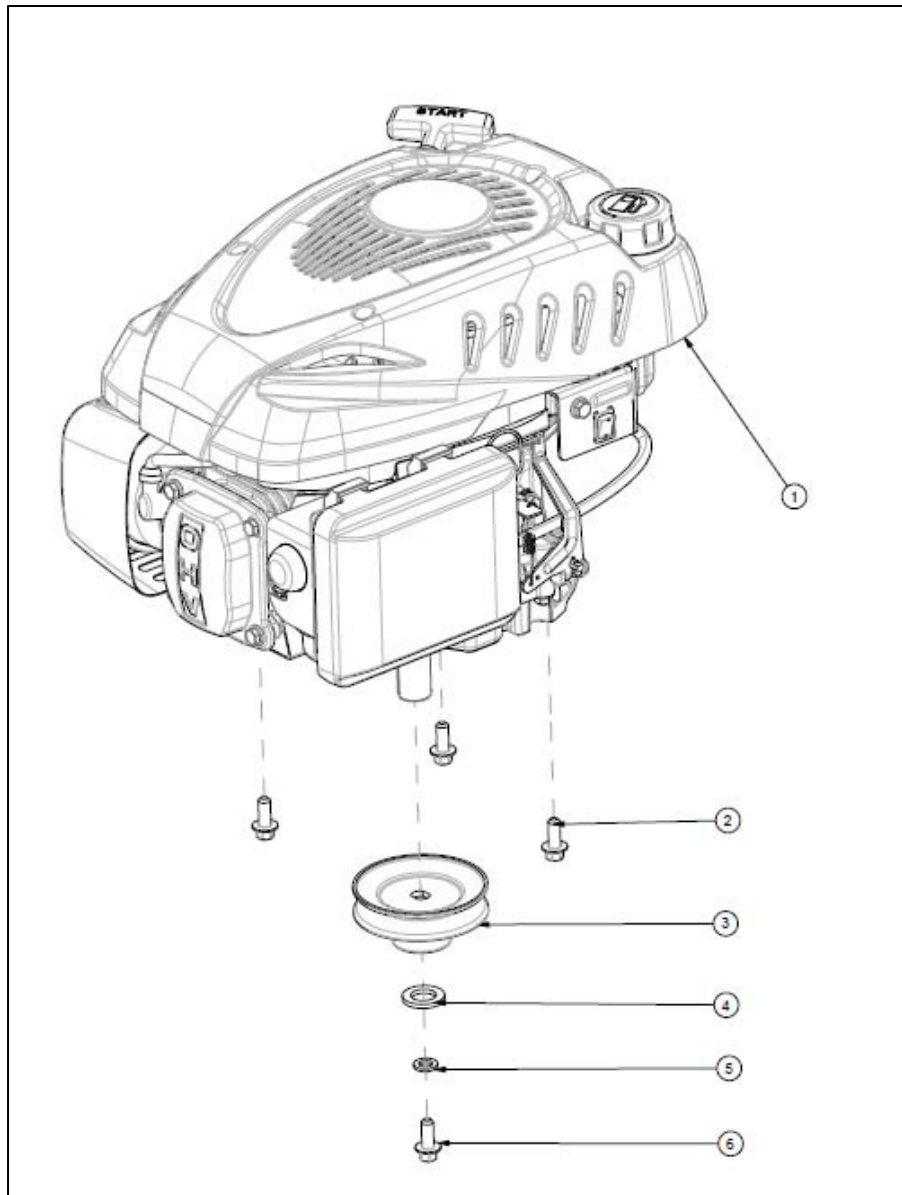
## Handle Assembly



## Handle Assembly

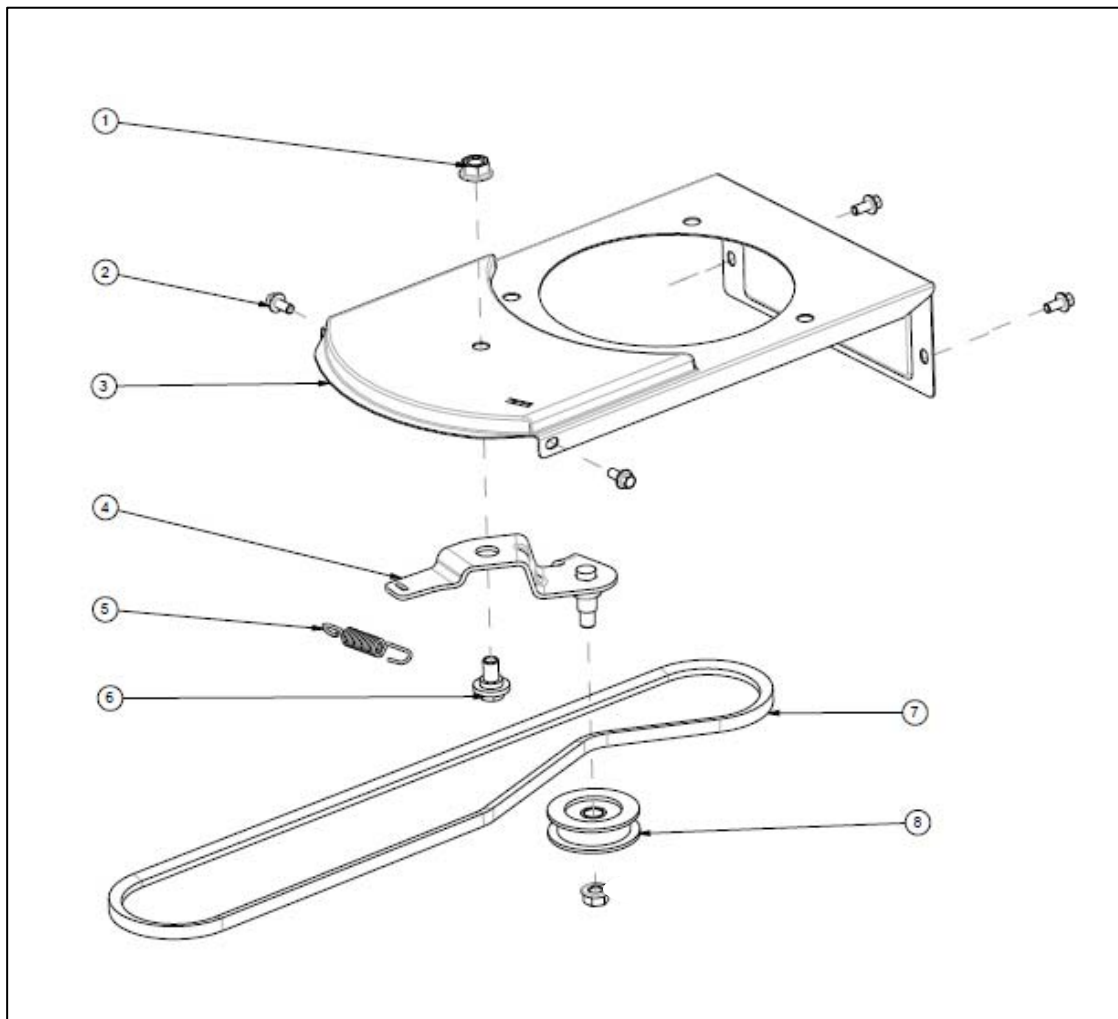
| REF. NO. | Description                                                                                            | PART NO.       | RQD |
|----------|--------------------------------------------------------------------------------------------------------|----------------|-----|
| 1        | Foam, Handle                                                                                           | A201940        | 1   |
| 2        | Bail, Engagement                                                                                       | A201385        | 1   |
| 3        | Guide, Rope                                                                                            | A100521        | 1   |
| 4        | ¼-20, Nylon Lock Nut, Black Oxide, Grade 8                                                             | Reference Only | 1   |
| 5        | Handle, Upper                                                                                          | A201028        | 1   |
| 6        | Knob, Handle Bar                                                                                       | A200190        | 2   |
| 7        | Bolt, Handle Bar                                                                                       | A202629        | 2   |
| 8        | Handle, Lower                                                                                          | A201027        | 1   |
| 9        | 5/16-18x0.75, Hex Serrated Flange, Thread forming Tapping Screw, Type AB Point, Black Oxide, Grade 8.8 | A202424        | 4   |
| 10       | Cable, Engagement                                                                                      | A201945        | 1   |

## Engine Assembly (Engine Breakdown Pg 12-21)



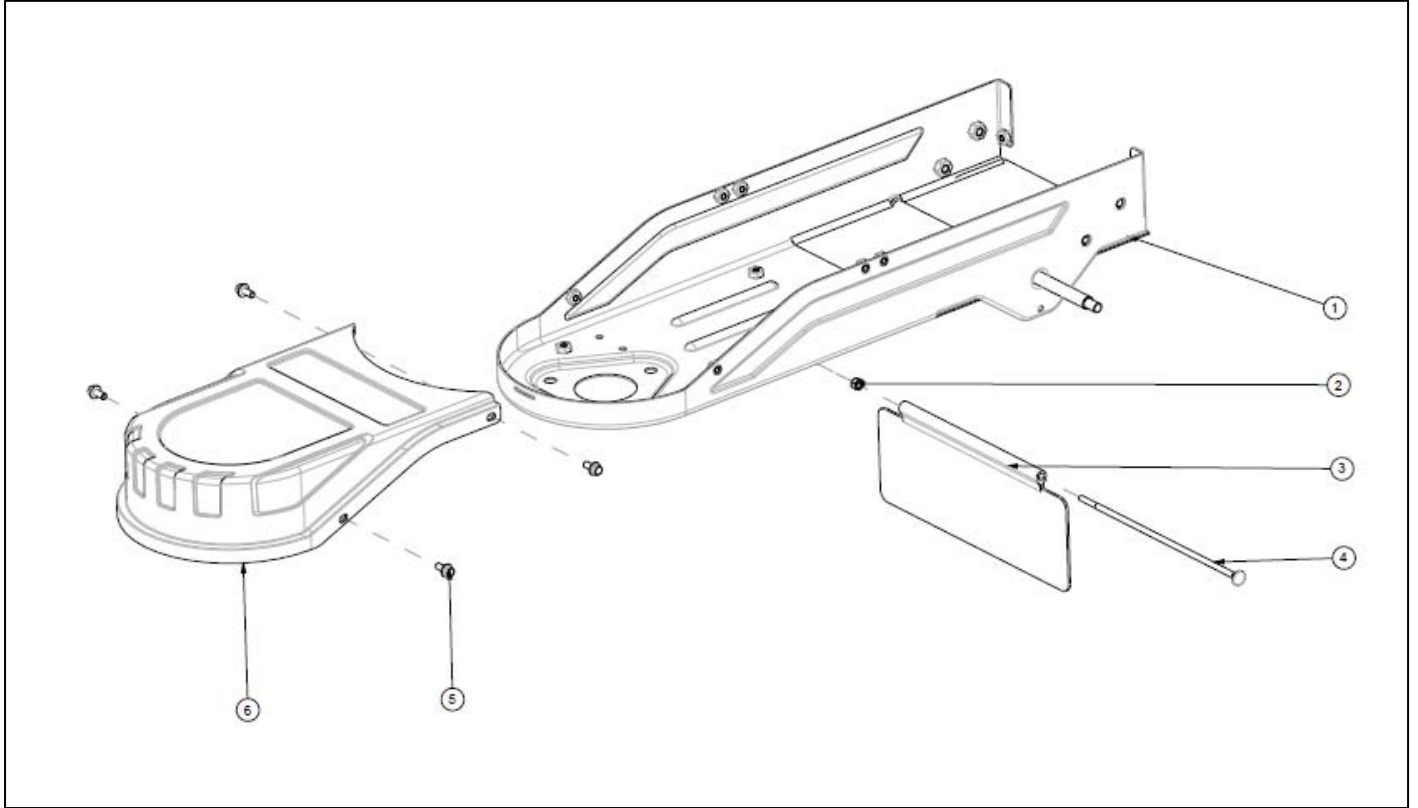
| REF. NO. | Description                                                                           | PART NO.       | RQD |
|----------|---------------------------------------------------------------------------------------|----------------|-----|
| 1        | Engine, RV140 – EPA3                                                                  | A202223        | 1   |
| 2        | 3/8-16x25, Hex Flange Head, Tri-lobular, Thread Forming Screw, Black Oxide, Grade 8.8 | A202426        | 3   |
| 3        | Pulley, Engine                                                                        | A202423        | 1   |
| 4        | 10x32x3.0, Flat Washer, Zinc                                                          | Reference Only | 1   |
| 5        | M10 Lock Washer, Zinc                                                                 | Reference Only | 1   |
| 6        | 3/8-24x1.0, Hex Head Cap Screw, Black Oxide, Grade 10.9                               | A202427        | 1   |

## Drive System



| REF. NO. | Description                                                            | PART NO.       | RQD |
|----------|------------------------------------------------------------------------|----------------|-----|
| 1        | M10x1.5, Hex Flange Lock Nut, Zinc, Grade 8                            | Reference Only | 2   |
| 2        | M6x1.0x16, Cross-Recessed, Round Neck Machine Screw, Zinc, Grade 8.8   | Reference Only | 4   |
| 3        | Plate, Inspection - Powermate                                          | A201022        | 1   |
| 4        | Weldment, Idler Bracket                                                | A201948        | 1   |
| 5        | Spring, Idler Tension                                                  | A202622        | 1   |
| 6        | M10x1.25x15, Hex Flange Head W/ Shoulder (diam.15x30), Zinc, Grade 8.8 | A201924        | 1   |
| 7        | Belt, Drive – 9.5x1160                                                 | A201921        | 1   |
| 8        | Pulley ASM, Idler                                                      | A100565        | 1   |

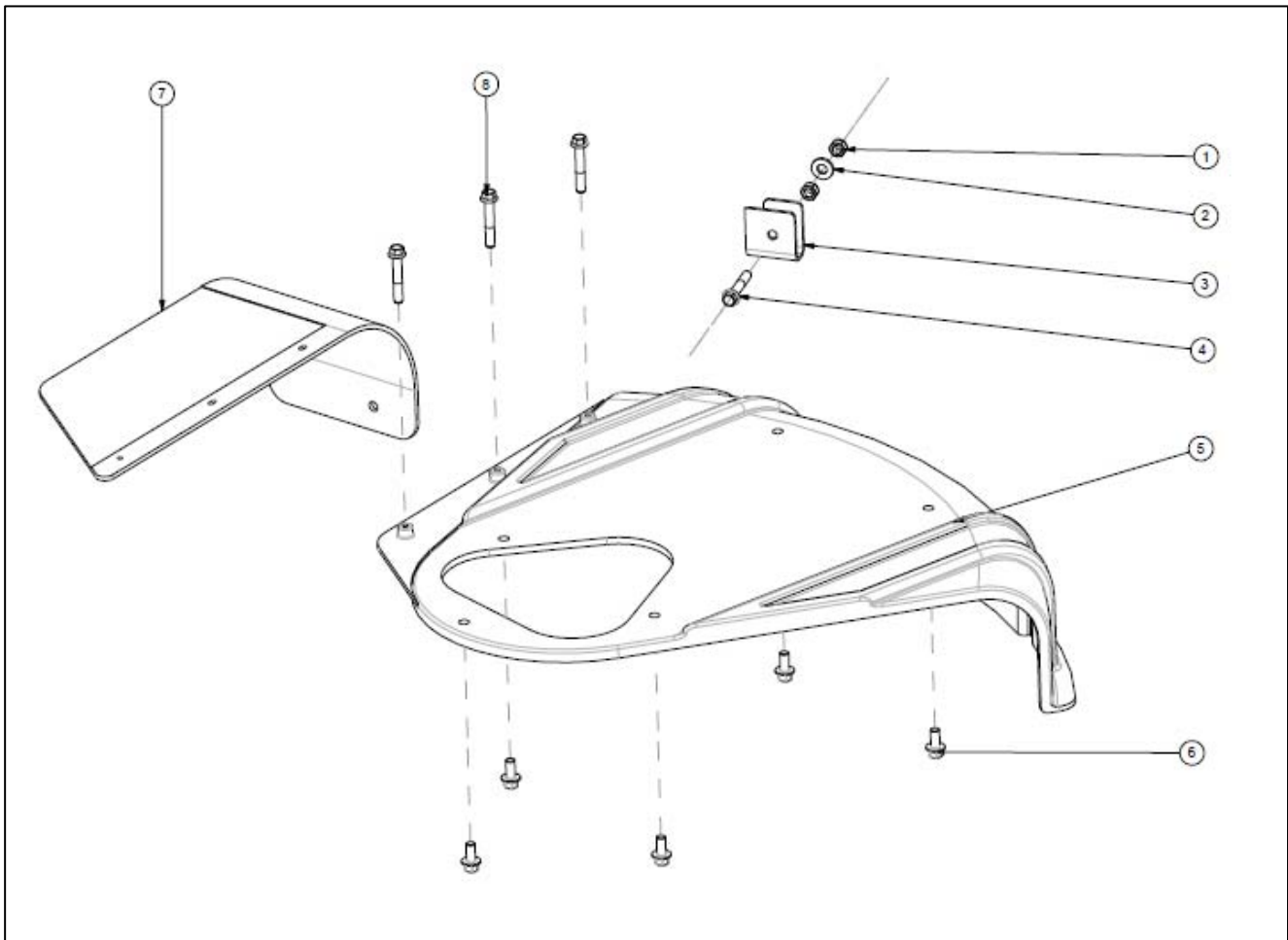
## Frame Assembly



| REF. NO. | Description                                                          | PART NO.       | RQD |
|----------|----------------------------------------------------------------------|----------------|-----|
| 1        | Frame, Weldment - Powermate                                          | A201907        | 1   |
| 2        | M6x1.0, Nylon Lock Nut, Zinc, Grade 8                                | Reference Only | 1   |
| 3        | Flap, Guard                                                          | A201025        | 1   |
| 4        | Post, Flap Mount                                                     | A201024        | 1   |
| 5        | M6x1.0x16, Cross-Recessed, Round Neck Machine Screw, Zinc, Grade 8.8 | Reference Only | 4   |
| 6        | Cover, Base                                                          | A201029        | 1   |

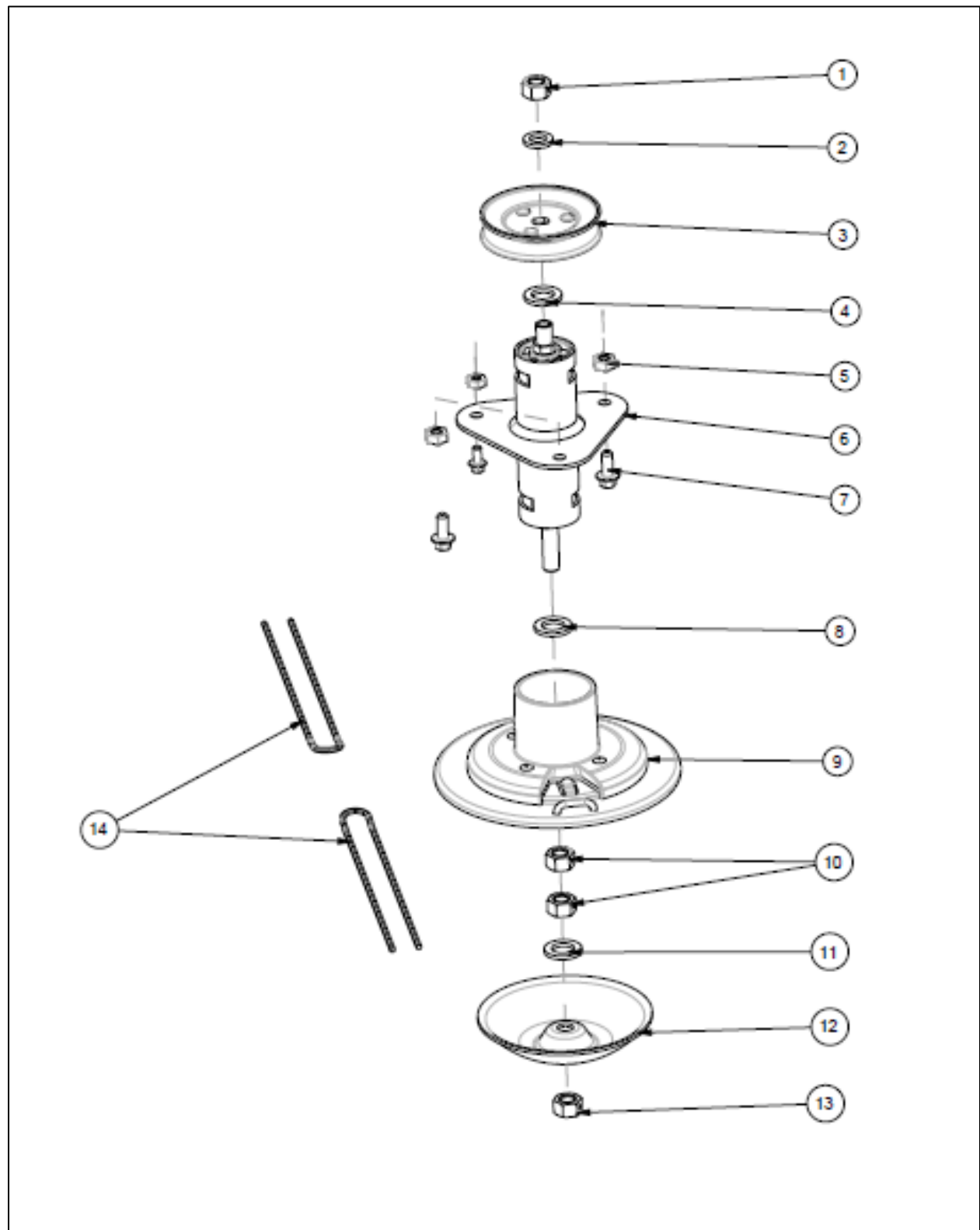


## Shroud Assembly



| REF. NO. | Description                                                                                    | PART NO.       | RQD |
|----------|------------------------------------------------------------------------------------------------|----------------|-----|
| 1        | M6x1.0, Nylon Lock Nut, Zinc, Grade 8                                                          | Reference Only | 2   |
| 2        | M6x3.0 Flat Washer, Zinc                                                                       | Reference Only | 1   |
| 3        | Blade, Line Cutting                                                                            | A201910        | 1   |
| 4        | M6x1.0x35, Hex Flange Head, Zinc, Grade 8.8                                                    | Reference Only | 1   |
| 5        | Shroud, Safety                                                                                 | A201026        | 1   |
| 6        | M6x1.0x16, Cross-Recessed, Round Neck, Machine Screw, Zinc, Grade 8.8                          | Reference Only | 5   |
| 7        | Guard, Discharge                                                                               | A202422        | 1   |
| 8        | No. 10-16x0.5, Cross-Recessed Hex Flange, Thread Cutting Tapping Screw, Black Oxide, Grade 8.8 | Reference Only | 3   |

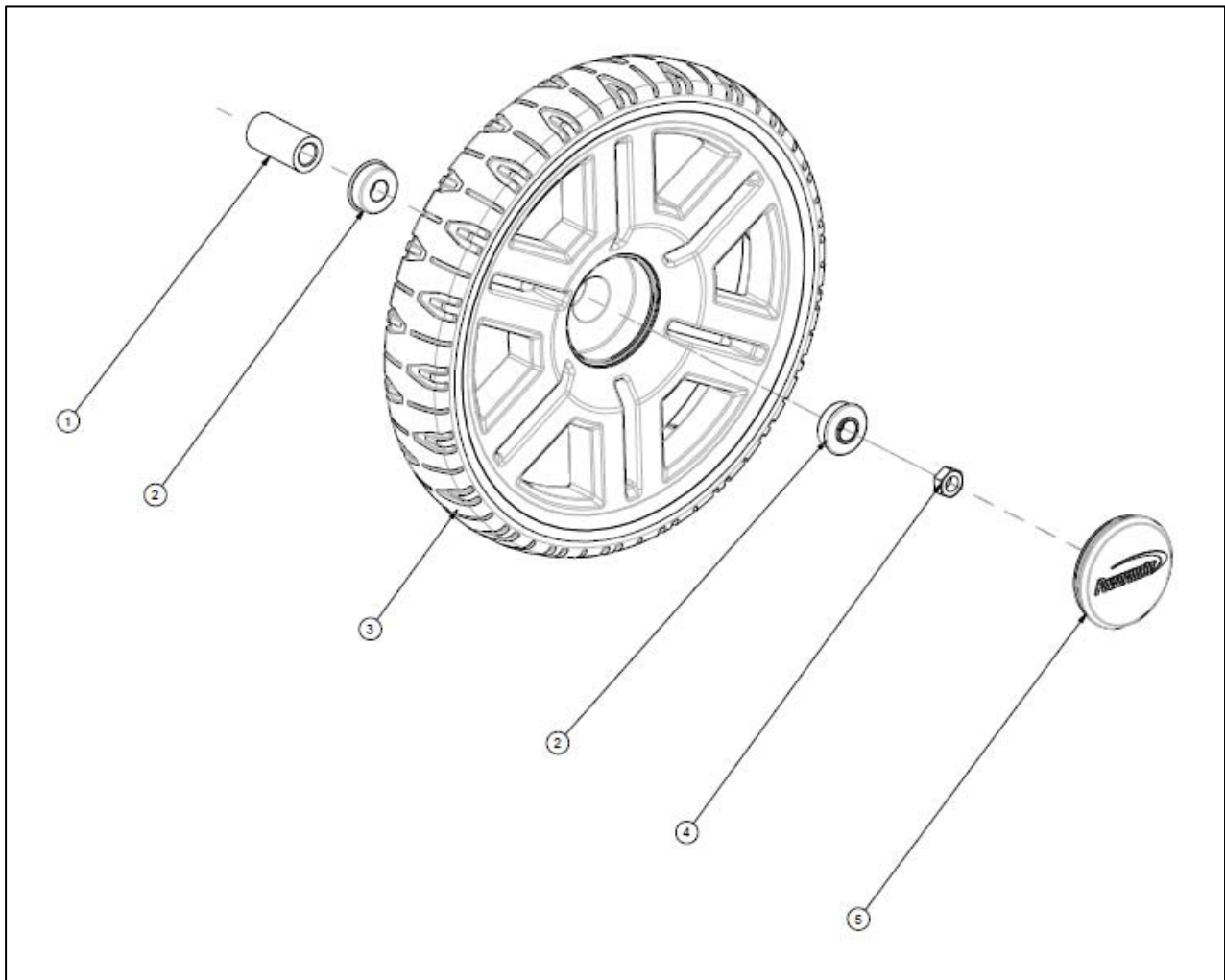
## Cutting Head Assembly



## Cutting Head Assembly

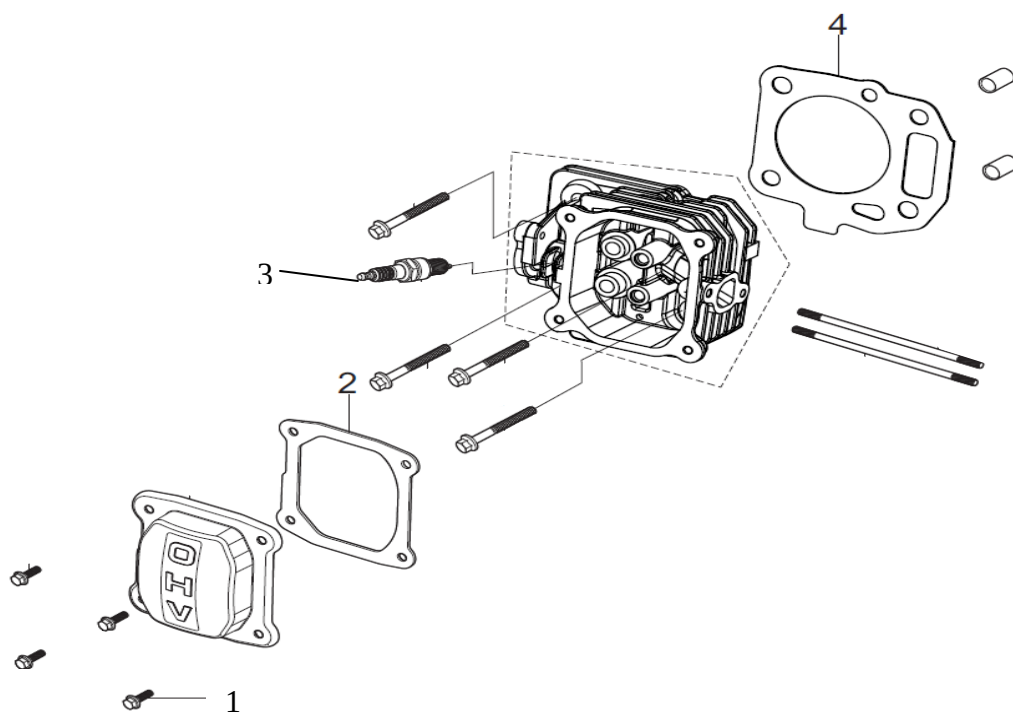
| REF. NO. | Description                                  | PART NO.       | RQD |
|----------|----------------------------------------------|----------------|-----|
| 1        | M12x1.25, Hex Lock Nut, Zinc, Grade 8        | Reference Only | 1   |
| 2        | 16.8x32x3.0 Flat Washer, Zinc                | Reference Only | 1   |
| 3        | Pulley, Cutting Head                         | A203089        | 1   |
| 4        | 16.8x32x3.0 Flat Washer, Zinc                | Reference Only | 1   |
| 5        | M10x1.5 Hex Lock Nut, Zinc, Grade 8          | Reference Only | 3   |
| 6        | ASM, Cutter Head Tube                        | A200207        | 1   |
| 7        | M10x1.5x20, Hex Flange Bolt, Zinc, Grade 8.8 | Reference Only | 3   |
| 8        | M12 Flat Washer, Zinc                        | Reference Only | 1   |
| 9        | ASM, Cutter Head - Powermate                 | A201912        | 1   |
| 10       | M12x1.25, Hex Lock Nut, Zinc, Grade 8        | Reference Only | 2   |
| 11       | M12 Flat Washer, Zinc                        | Reference Only | 1   |
| 12       | Bowl, Cutter Head                            | A200206        | 1   |
| 13       | M12x1.25, Hex Lock Nut, Zinc, Grade 8        | Reference Only | 1   |
| 14       | Line, Trimmer (0.155")                       | Reference Only | 2   |

## Wheel Assembly



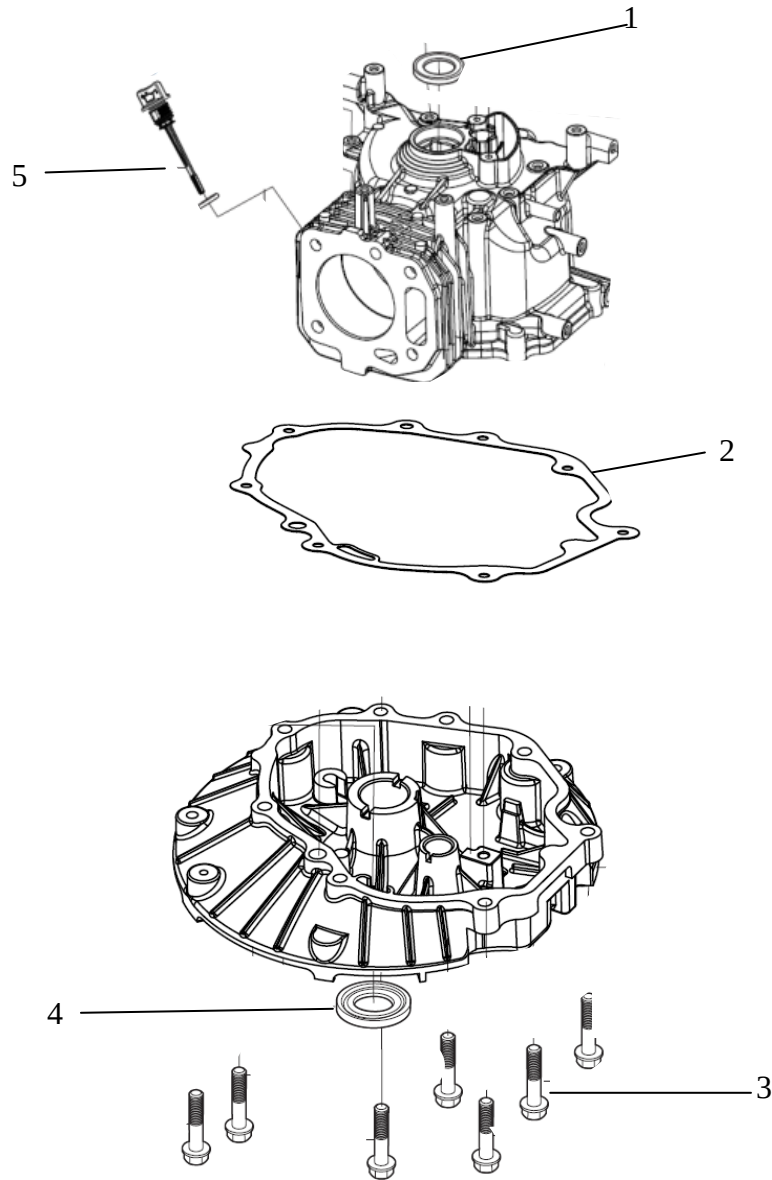
| REF. NO. | NAME                                   | PART NO.       | RQD |
|----------|----------------------------------------|----------------|-----|
| 1        | Spacer, Wheel                          | A201023        | 2   |
| 2        | Bearing, Wheel                         | A100560        | 4   |
| 3        | ASM, 12" Wheel, 6 Spoke                | A201387        | 2   |
| 4        | M10x1.5 Flange Lock Nut, Zinc, Grade 8 | Reference Only | 2   |
| 5        | Hubcap, 12" Wheel - Powermate          | A201386        | 2   |

## Cylinder Head



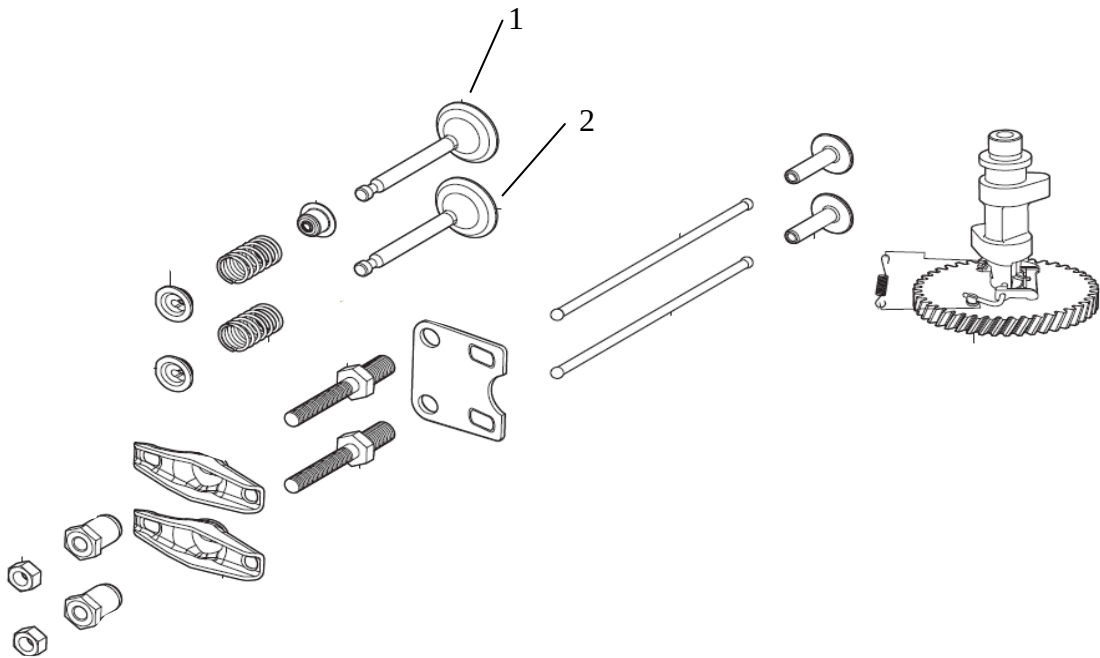
| REF. NO. | DESCRIPTION                                          | PART NO.       | RQD |
|----------|------------------------------------------------------|----------------|-----|
| 1        | M6x1.0x12, Hex Flange Bolt, Zinc, Grade 8.8          | Reference Only | 4   |
| 2        | Gasket, Valve Cover                                  | A201567        | 1   |
| 3        | Plug, Spark (Torch F7TC, NGK BPGES, Champion RN9YC4) | A201233        | 1   |
| 4        | Gasket, Cylinder Head                                | A201569        | 1   |

## Short Block Assembly



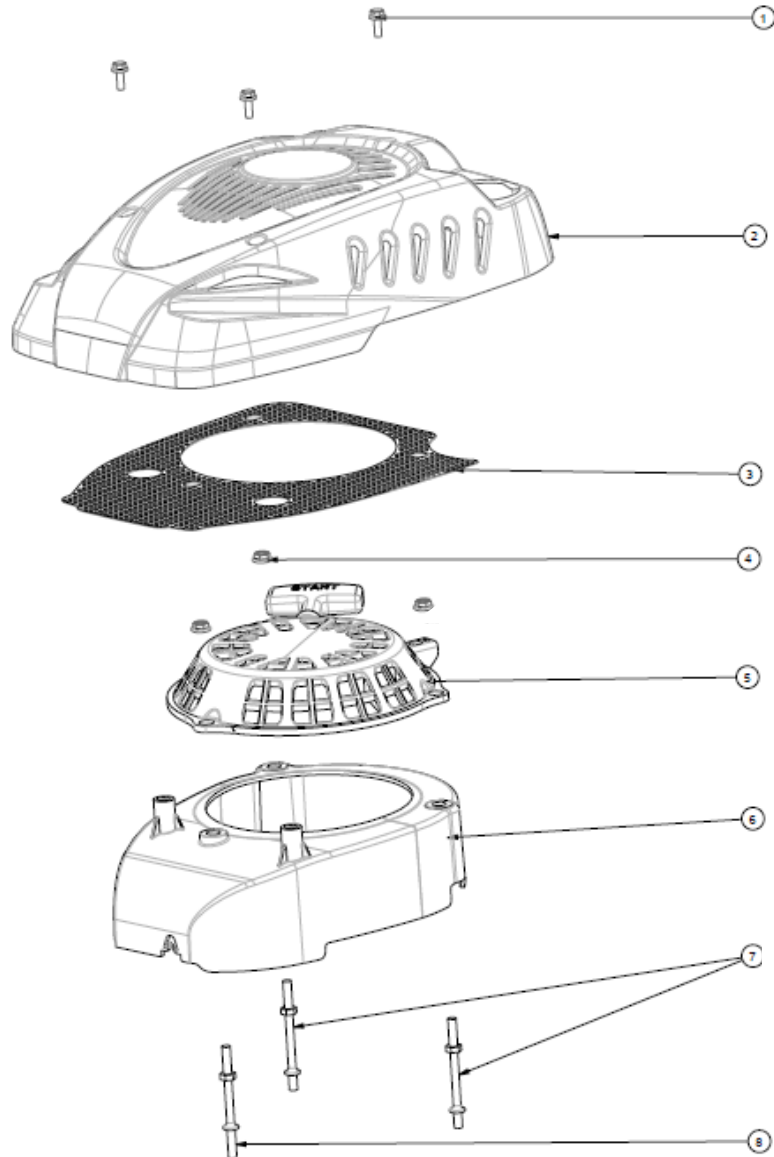
| REF. NO. | DESCRIPTION                                 | PART NO.       | RQD |
|----------|---------------------------------------------|----------------|-----|
| 1        | Seal, Oil                                   | A201581        | 1   |
| 2        | Gasket, Crankcase                           | A201592        | 1   |
| 3        | M6x1.0x27, Hex Flange Bolt, Zinc, Grade 8.8 | Reference Only | 7   |
| 4        | Seal, Oil                                   | A201599        | 1   |
| 5        | Sub Assembly, Oil Dipstick                  | A201577        | 1   |

## Camshaft



| REF. NO. | DESCRIPTION    | PART NO. | RQD |
|----------|----------------|----------|-----|
| 1        | Valve, Intake  | A201627  | 1   |
| 2        | Valve, Exhaust | A201633  | 1   |

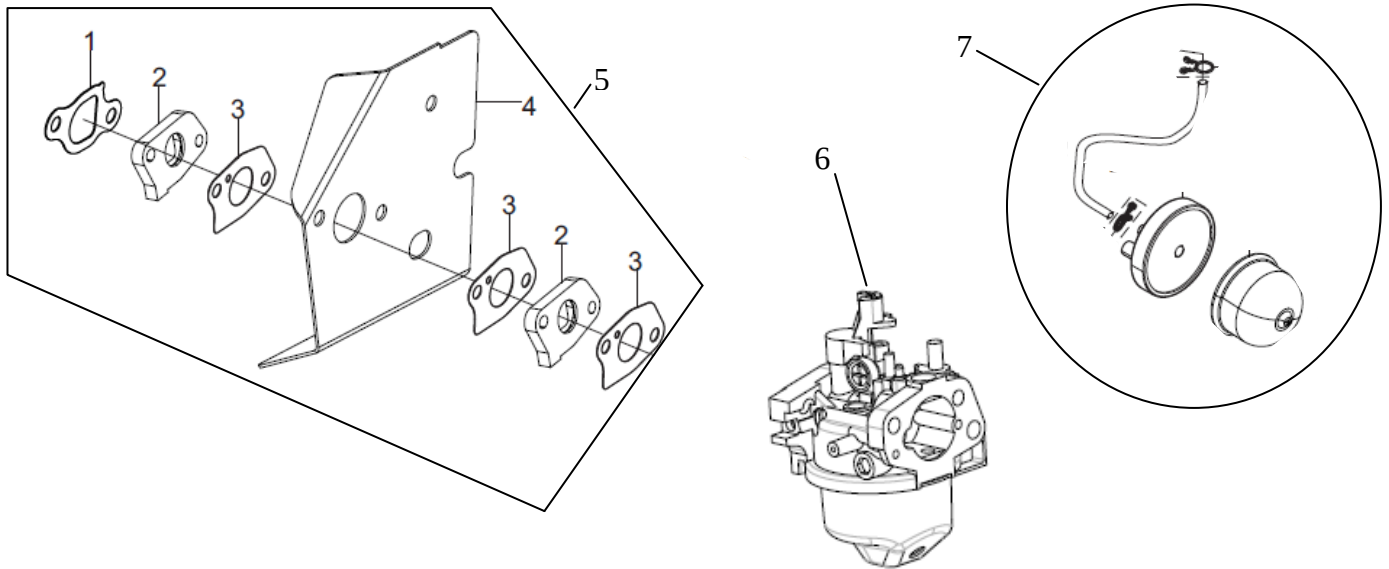
## Engine Shroud



| REF. NO. | DESCRIPTION                          | PART NO.       | RQD |
|----------|--------------------------------------|----------------|-----|
| 1        | Bolt, Housing                        | A201637        | 3   |
| 2        | Shroud, Engine (decals included)     | A203032        | 1   |
| 3        | Shroud, Debris                       | A202476        | 1   |
| 4        | M6x1.0 Hex Flange Nut, Zinc, Grade 8 | Reference Only | 3   |
| 5        | ASM, Recoil Starter                  | A201653        | 1   |
| 6        | Shroud, Recoil ASM                   | A201636        | 1   |
| 7        | Stud, Recoil Shroud – 1              | A201638        | 2   |
| 8        | Stud, Recoil Shroud – 2              | A201639        | 1   |

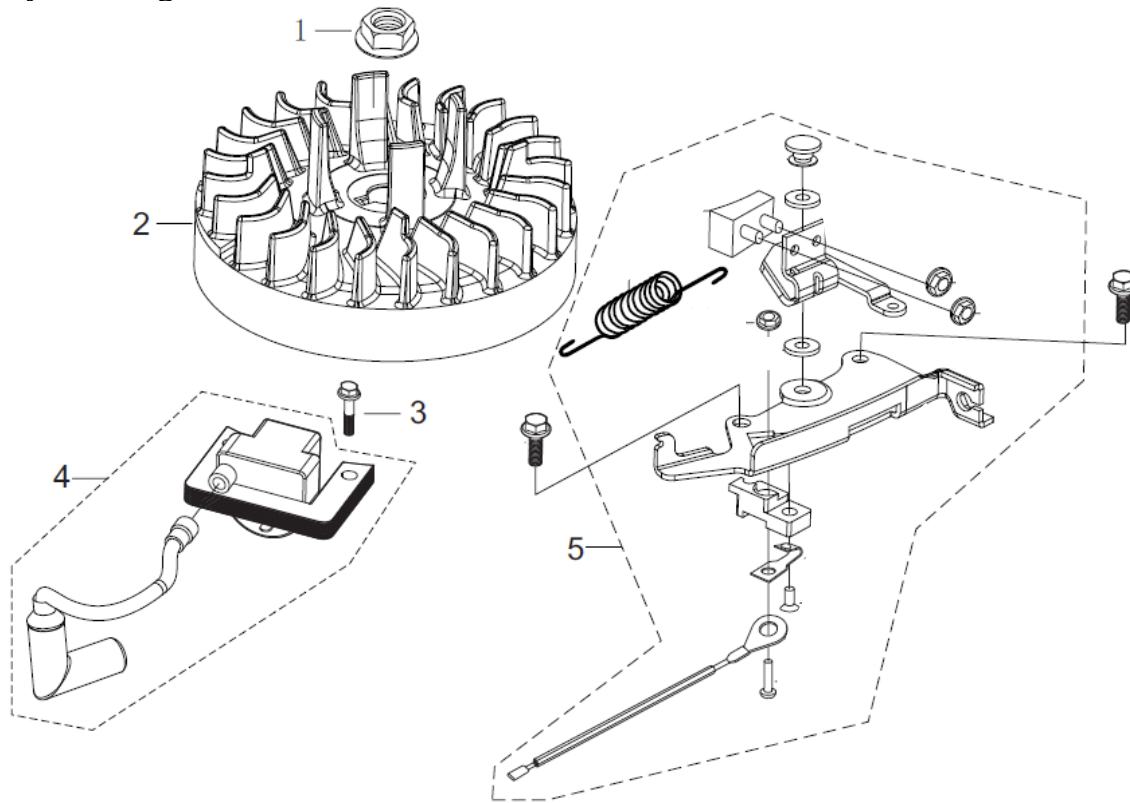


## Carburetor



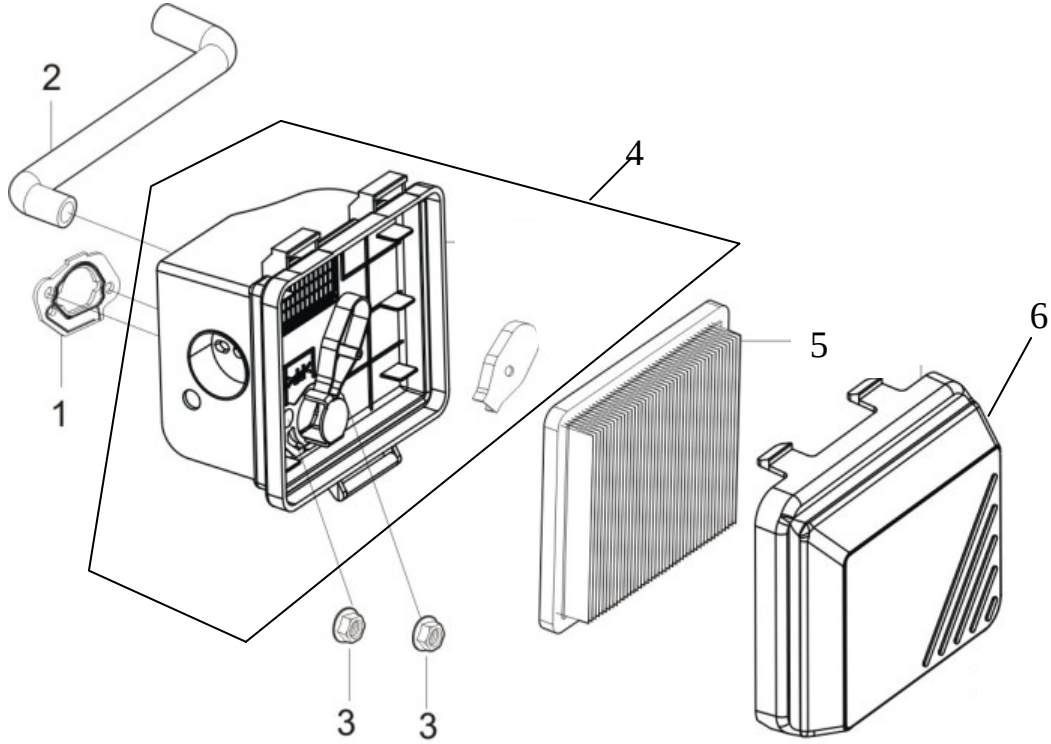
| REF. NO. | DESCRIPTION                         | PART NO.              | RQD |
|----------|-------------------------------------|-----------------------|-----|
| 1        | Gasket, Insulator                   | <i>Reference Only</i> | 1   |
| 2        | Spacer, Gasket                      | <i>Reference Only</i> | 2   |
| 3        | Gasket, Carburetor                  | <i>Reference Only</i> | 3   |
| 4        | Heat Shield, Carburetor             | <i>Reference Only</i> | 1   |
| 5        | Kit, Carburetor Gasket (Incl. #1-4) | A201659               | 1   |
| 6        | ASM, Carburetor                     | A201658               | 1   |
| 7        | ASM, Primer Bulb                    | A201683               | 1   |

## Flywheel / Ignition



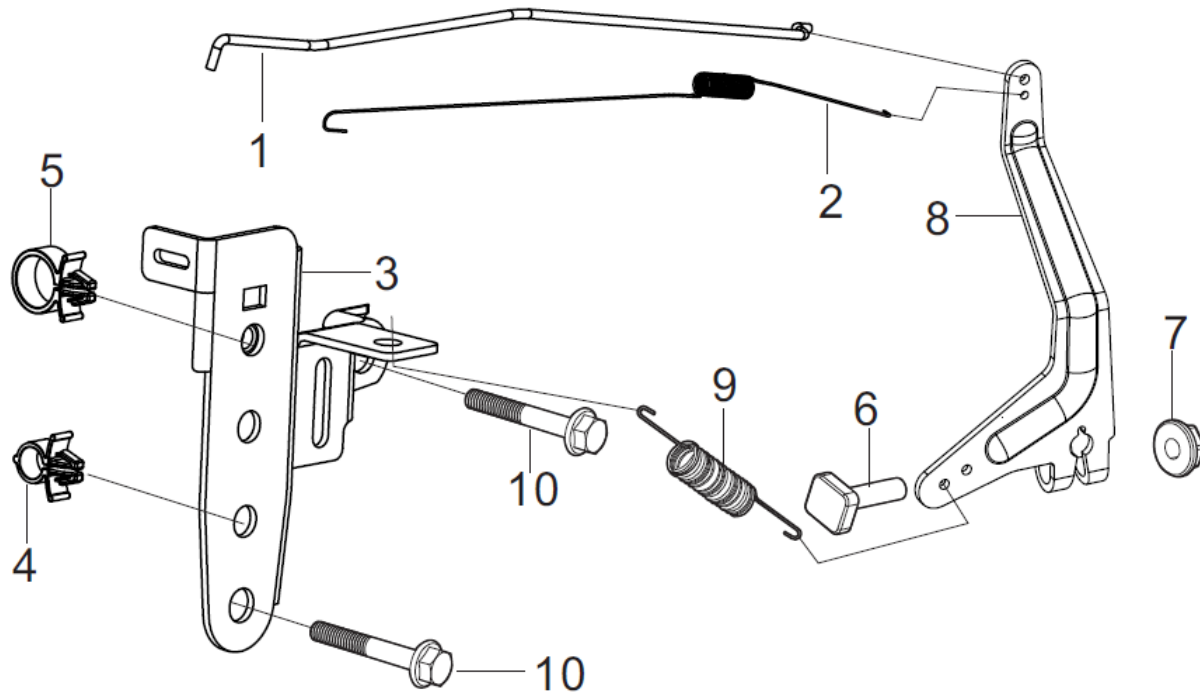
| REF. NO. | DESCRIPTION                                    | PART NO.              | RQD |
|----------|------------------------------------------------|-----------------------|-----|
| 1        | M14x1.5 Serrated Hex Flange Nut, Zinc, Grade 8 | <i>Reference Only</i> | 1   |
| 2        | Flywheel                                       | A202477               | 1   |
| 3        | M6x1.0x25 Hex Flange Bolt, Zinc, Grade 8.8     | <i>Reference Only</i> | 2   |
| 4        | Module, Ignition                               | A202478               | 1   |
| 5        | ASM, Engine Brake                              | A202479               | 1   |

## Air Cleaner



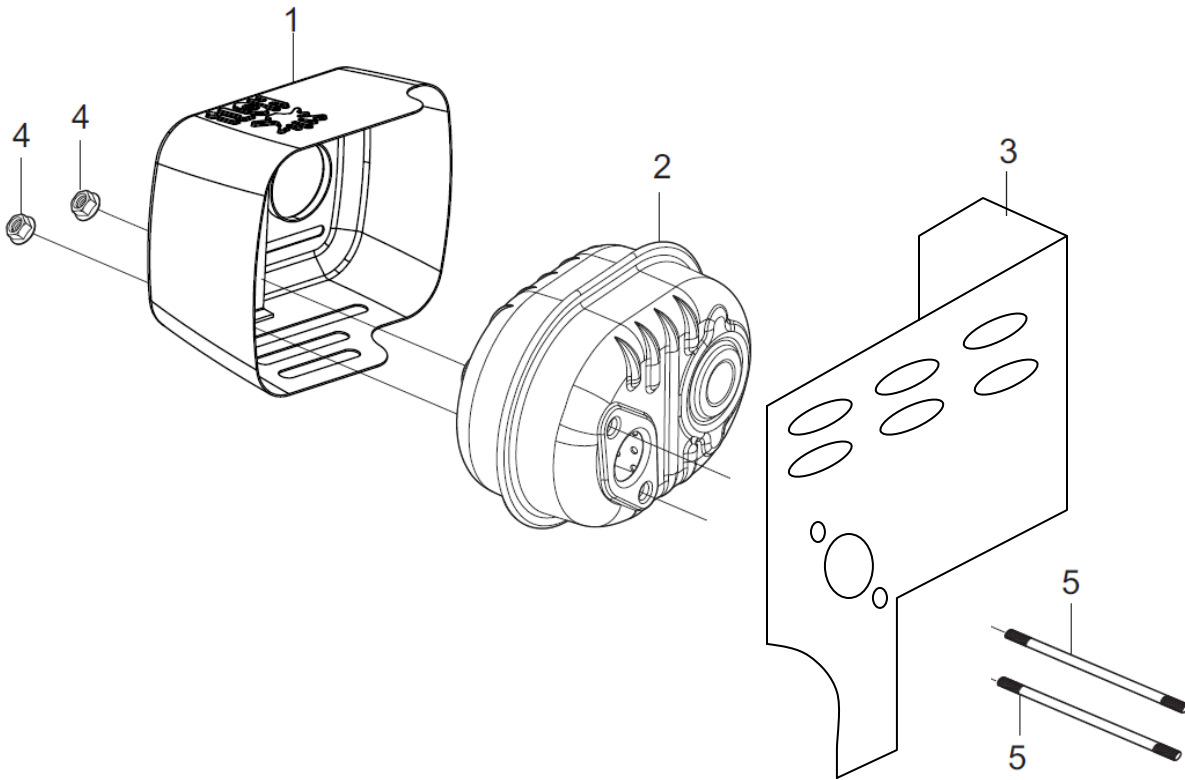
| REF. NO. | DESCRIPTION                      | PART NO.              | RQD |
|----------|----------------------------------|-----------------------|-----|
| 1        | Gasket, Air Filter               | A201696               | 1   |
| 2        | Tube, Breather                   | A201697               | 1   |
| 3        | M6x1.0 Flange Nut, Zinc, Grade 8 | <i>Reference Only</i> | 2   |
| 4        | Kit, Air Filter Housing          | A201763               | 1   |
| 5        | Element, Filter                  | A201700               | 1   |
| 6        | Cover, Air Filter                | A201764               | 1   |

## Control



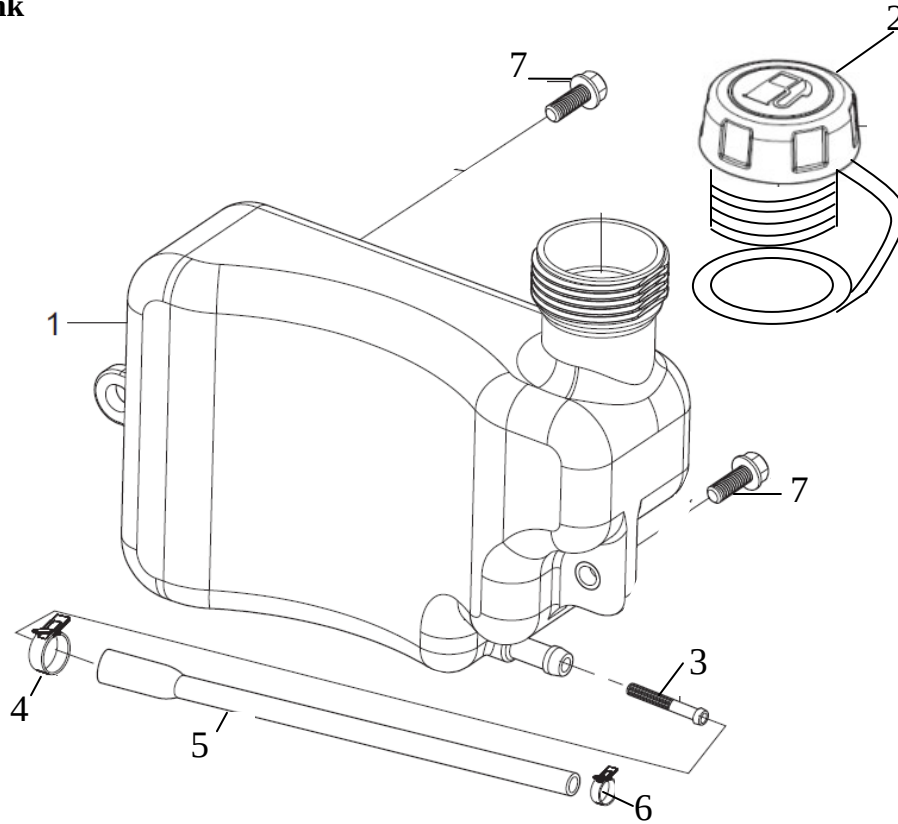
| REF. NO. | DESCRIPTION                                | PART NO.              | RQD |
|----------|--------------------------------------------|-----------------------|-----|
| 1        | Rod, Governor                              | A201702               | 1   |
| 2        | Spring, Throttle Return                    | A201703               | 1   |
| 3        | Bracket, Throttle Control                  | <i>Reference Only</i> | 1   |
| 4        | Clip – 1                                   | <i>Reference Only</i> | 1   |
| 5        | Clip – 2                                   | <i>Reference Only</i> | 1   |
| 6        | Bolt, Governor Arm                         | <i>Reference Only</i> | 1   |
| 7        | Nut, Governor                              | <i>Reference Only</i> | 1   |
| 8        | Arm, Governor                              | <i>Reference Only</i> | 1   |
| 9        | Spring, Governor                           | A201710               | 1   |
| 10       | M6x1.0x12 Hex Flange Bolt, Zinc, Grade 8.8 | <i>Reference Only</i> | 2   |

## Muffler



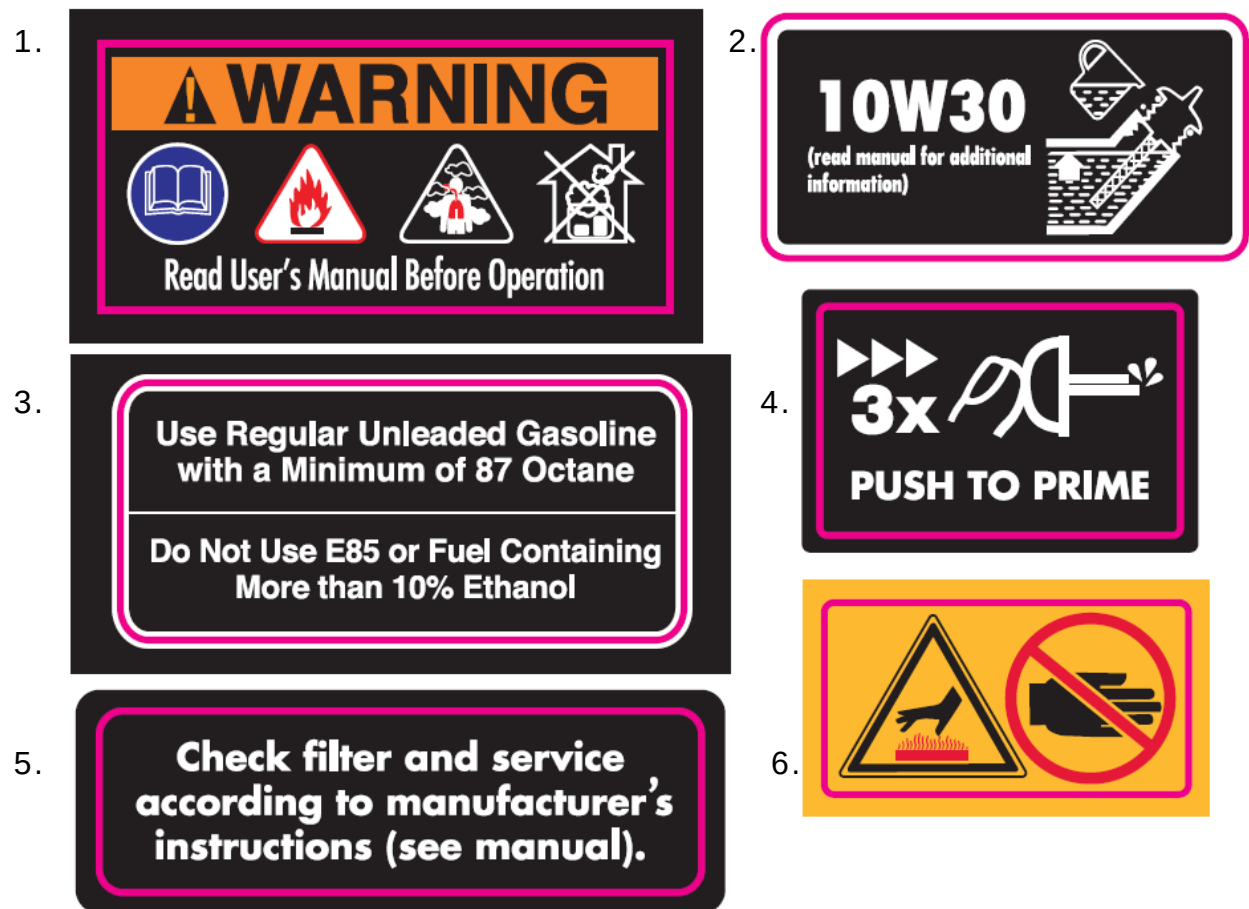
| REF. NO. | DESCRIPTION                          | PART NO.              | RQD |
|----------|--------------------------------------|-----------------------|-----|
| 1        | Shield, Muffler                      | A201712               | 1   |
| 2        | ASM, Muffler                         | A201713               | 1   |
| 3        | Gasket, Muffler                      | A202481               | 1   |
| 4        | M6x1.0 Hex Flange Nut, Zinc, Grade 8 | <i>Reference Only</i> | 2   |
| 5        | Stud, Muffler                        | A201716               | 2   |

## Fuel Tank



| REF. NO. | DESCRIPTION                                     | PART NO.              | RQD |
|----------|-------------------------------------------------|-----------------------|-----|
| 1        | Tank, Fuel                                      | A201717               | 1   |
| 2        | Cap, Fuel – EPA3                                | A202482               | 1   |
| 3        | Filter, Fuel                                    | <i>Reference Only</i> | 1   |
| 4        | Clamp, Fuel Line – 1                            | <i>Reference Only</i> | 1   |
| 5        | Line, Fuel                                      | A201724               | 1   |
| 6        | Clamp, Fuel Line – 2                            | <i>Reference Only</i> | 1   |
| 7        | M6x1.0x14 Hex Flange Head Bolt, Zinc, Grade 8.8 | <i>Reference Only</i> | 2   |

## Engine Decals



| REF. NO. | DESCRIPTION                   | PART NO.                                                      | RQD |
|----------|-------------------------------|---------------------------------------------------------------|-----|
| 1        | Decal, Warning-Owner's Manual | <b>A202483</b><br>(Includes 1 each of all decals shown above) | 1   |
| 2        | Decal, Oil Fill               |                                                               | 1   |
| 3        | Decal, Fuel Usage             |                                                               | 1   |
| 4        | Decal, Primer                 |                                                               | 1   |
| 5        | Decal, Air Filter Maintenance |                                                               | 1   |
| 6        | Decal, Hot Surface Warning    |                                                               | 1   |

## Frame Decals



| REF. NO. | DESCRIPTION                      | PART NO.                                                      | RQD |
|----------|----------------------------------|---------------------------------------------------------------|-----|
| 1        | Decal, Powermate Rear Logo       | <b>A202484</b><br>(Includes 1 each of all decals shown above) | 1   |
| 2        | Decal, Powermate Belt Cover Logo |                                                               | 1   |
| 3        | Decal, Powermate Engine Logo     |                                                               | 1   |
| 4        | Decal, Unit Specifications       |                                                               | 1   |
| 5        | Decal, Unit Usage Warning        |                                                               | 1   |
| 6        | Decal, Unit Maintenance Warning  |                                                               | 1   |